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PRE-DESIGN INVESTIGATION SUMMARY REPORT

Corning City Fire Department - Site # 851050
2 Corning Boulevard
Corning, New York 14830

Prepared For:

Contract# D009808, Work Assignment No. 56
New York State Department of Environmental Conservation
Division of Environmental Remediation
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HRP #: DEC1056.P3

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1.0 INTRODUCTION

On September 2, 2025, HRP Associates, Inc. (HRP) was authorized to complete New York State Department of Environmental Conservation (NYSDEC) Work Assignment (WA) No. 56 (D009808-56) for Remedial Investigation/Feasibility Study (RI/FS) at the City of Corning Fire Department (Site), located at 2 Corning Boulevard, Corning, New York (**Figure 1 – Site Location**). The scope of work was developed based on HRP's review of documents detailing previous subsurface investigations at the property, including the 2024 Parsons Site Characterization (SC) Investigation (Parsons, 2024) and the Community Liaison Plan (Parsons, 2012), as well as discussions with NYSDEC staff.

The City of Corning has been the focus of several extensive environmental investigations due to potential widespread contamination associated with the surrounding historic glass-making manufacturing. Environmental investigations have shown that historic glass manufacturing operations were known to have disposed of waste primarily containing ash, brick, and/or glass (ABG). For the purposes of this report, ABG refers to anthropogenic fill composed of industrial waste containing identifiable ABG constituents. ABG was specifically defined as a heterogeneous mixture of residual byproducts generated from historical glassmaking operations. ABG could include a variety of glass colors, several types of brick, and white or black ash. Other materials included the by-products of glass making including slag and furnace residue. Each of these materials had been found throughout the City of Corning. Waste from these industries were often used to fill and level portions of the city and can be found at depths ranging from surface level to 10 feet below-grade surface.

These materials can pose significant risks to the public's health, as well as the surrounding environment. ABG is known to contain metals, such as arsenic, barium, chromium, lead, and mercury. ABG may also contain semivolatile organic compounds (SVOCs), which—along with metals—are regulated under New York Codes, Rules, and Regulations (NYCRR) Part 375 Soil Cleanup Objectives (SCOs). Additionally, the NYSDEC may classify these materials as a nuisance condition under Commissioner Policy 51, Section G.

2.0 PROJECT BACKGROUND AND OBJECTIVE

This scope of work has been developed to provide the necessary details for the construction, operation, and implementation of the Interim Remedial Measures (IRM). The following report identifies the investigation of the City of Corning Fire Department located at 2 Corning Boulevard, Corning, New York, and was conducted to further delineate the nature and extent of the observed contamination in support of planned remedial activities. Additionally, this report was prepared under NYSDEC-approved Work Assignment D009808-56 in support of the IRM at the City of Corning Fire Department Site.

2.1 Site Background

The Corning Fire Department Site is located in the northeastern portion of the City of Corning **(Figure 1)**. It is bounded by the following:

- NYS flood control land and the Chemung River to the south
- Center Way and the Corning Family YMCA property to the west
- Corning Boulevard and the Guthrie Medical Center property to the north
- Memorial Stadium to the east.

The Site includes the fire station building, asphalt paved driveway and parking lot, and lawn areas. The City of Corning Municipal Water Supply Well #9 and an associated building is located on the southeast portion of this Site. The Site is comprised of tax parcel 318.05-02-001.200 (frontage along Corning Boulevard and Center Way) and the western portion of tax parcel 318.05-01-068.000 (the eastern portion of this tax parcel contains Memorial Stadium and is not included as part of this Site). Site tax parcels are identified in **Figure 2.**

The property was formerly owned by Corning Glass Works prior to 1945 when it was transferred to the City of Corning. Anecdotal reporting by multiple residents in the area indicated that a large pile of glass waste was present in the location of the existing fire station building prior to the flood of 1972. Much of the surrounding area is a former low area along the Chemung River that had been extensively filled from the 1930s, or earlier, to the early 1960s. A 1920 property deed contained a condition that allowed Corning Glass Works to maintain ash dumps within the limits of Study Area project 851046, which included a portion of the frontage parcel of this Site (Parsons, 2012).

The Site is currently operated by the City of Corning Fire Department and is zoned for community service/commercial use.

2.2 Previous Environmental Investigation

This section summarized the assessment of existing Site conditions presented in the Site Characterization Report (SCR) prepared by Parsons in August 2024. The SCR was completed to investigate potential impacts to the Site from the presence of ABG previously identified. ABG was observed in subsurface soil borings and test pits installed across the Site. Semivolatile organic compounds (SVOCs) and metals were detected at concentrations that exceed Commercial SCOs in subsurface soil boring samples. ABG was not observed in surface soil samples; however, two

SVOCs were detected at concentrations exceeding Commercial SCOs. Metals such as arsenic, cadmium, and lead were detected at concentrations exceeding Commercial SCOs in test pit soils across the Site. The SCR recommended additional characterization of surface and subsurface soils to further evaluate the nature and extent of contamination and the observed ABG at the Site.

2.3 Site Topography, Geology, and Hydrology

The Site is located adjacent to the Chemung River and is underlain by alluvial silts and fine sands derived from post-glacial floodplain deposits. These sediments generally exhibit low permeability. According to published sources, these river valley deposits are likely more than 80 feet in thickness in the vicinity of the Site and are underlain by low permeability shale and siltstone bedrock of the Upper Devonian period. Depth to bedrock had not been confirmed but was estimated to exceed 80 feet below grade (ft bg). Depth to the water table is expected to be approximately 20 ft bg. Shallow groundwater is typically present within sandy layers and is believed to flow in a southeasterly direction (Caldwell, 1986).

3.0 FIELD INVESTIGATION AND SCOPE

The pre-design investigation was completed in accordance with the PDI workplan (WP) dated November 4, 2025 and approved by the NYSDEC on November 14, 2025. The field investigation was performed on November 17th and 18th, 2025 in accordance with NYSDEC's DER-10 standards.

The investigation tasks described in the work plan utilized the NYSDEC's *DER-10, Technical Guidance for Site Investigation and Remediation*, dated May 2010 (DER-10). HRP followed the procedures outlined in the previously approved generic Field Activity Plan (FAP), Quality Assurance Project Plan (QAPP), and Health and Safety Plan (HASP). As required by the NYSDEC, the Work Plan for this Work Assignment (WA) incorporated the following Site-specific components:

1. Preliminary Site Activities
2. Soil Boring Installation
3. Surface Soil Sampling
4. Base Map Development and Site Survey

The Pre-Design Investigation Field Activities Work Plan (FAP) established site-specific procedures for the November 17–18, 2025 field program, including sampling methods and documentation requirements. A site-specific Health and Safety Plan (HASP), incorporating a Community Air Monitoring Plan (CAMP), was implemented during intrusive activities. CAMP monitoring was conducted for volatile organic compounds (VOCs) and particulates. No exceedances of any action levels for VOCs or particulates were recorded **(Appendix A)**. The HASP supplements HRP's NYSDEC-approved generic HASP and includes requirements for oversight, PPE, air monitoring, site controls, and decontamination.

A site-specific Quality Assurance Project Plan (QAPP), supplementing the NYSDEC-approved Generic QAPP, defined the Quality Assurance/Quality Control (QA/QC) protocols governing sample collection, handling, instrumentation, calibration, data validation, and corrective actions. Laboratory analyses were performed by the NYSDOH ELAP-certified laboratory, Pace Laboratories Inc. (Pace). All analytical data packages, including Category B deliverables and data usability summary reports (DUSRs), were produced in NYSDEC-compliant formats and validated by an independent contractor following applicable USEPA CLP guidelines and method-specific QC criteria. QA/QC measures implemented throughout the investigation ensured that all data met the data quality objectives and analytical requirements of the PDI WP.

3.1 Preliminary Site Activities

The Site layout consists of a 100 x 100-foot grid **(Figure 3)**, with one 1-foot-deep boring advanced near the center of each grid cell. Prior to initiating subsurface drilling activities during the pre-design investigation, and in accordance with New York State law, HRP submitted a ticket with UDIG Dig Safely New York, ticket #11115-000-936, to have the Site marked for underground utilities. The Site mark out was performed on November 16, 2025. All identified anomalies were marked at the ground surface with flags and paint.

A Trimble GPS Geo7X 7000 was used to mark specific soil sampling locations before subsurface work. Soil borings were advanced with a stainless-steel hand auger to achieve a depth of 1 ft bg in place of a Geoprobe, as specified in the PDI WP. Additionally, the southernmost cell in Column C was excluded from the pre-determined sampling grid following NYSDEC Flood Control's determination that the proposed sampling point was situated on the adjacent berm, where intrusive activities are not permitted.

3.2 Soil Boring Installation and Surface Soil Sampling

A total of 22 soil borings were installed during the PDI. All installed soil borings were named in accordance with the established grid, and their locations are depicted on **Figure 3**, which was designed to provide adequate distribution and coverage across the Site. Subsurface anomalies and overhead utilities affected some planned soil boring locations prior to installation; however, the affected borings were relocated within the same grid cell to maintain proper site coverage. A minimum 10-foot distance was maintained for soil borings in close proximity to marked or observed utilities.

During soil boring installation, soil samples were logged and screened by an HRP geologist. Soil samples were logged using the Unified Soil Classification System (AST International, 2018) including grain size, color, and nature of fill material, and obvious physical evidence of contamination (i.e., odor, staining). Additionally, if ABG was observed in the soil boring, the size, color, and texture of the material were recorded in the sample logs and the material was photographed. **Table 2** provides a summary of the observed ABG at the Site.

A small portion (1-2 oz) of each sample was placed in a polyethylene zip top bag and allowed to attain ambient temperature before photo-ionization detector (PID) headspace analysis. PID headspace analysis measurements and soil descriptions are presented on soil boring logs included in **Appendix B.**

If ABG was not observed in the soil sample, two soil samples from each boring were collected from the following depth intervals and analyzed for Target Analyte List (TAL) Metals and Target Compound List (TCL) SVOCs. Sample concentrations were compared against Part 375 Commercial Use SCOs.

- 0-2 inches (excludes sod/grass/organic)
- 2-12 inches

Additionally, to support future IRM waste disposal, a composite sample for waste characterization was collected at each sample location. These samples were analyzed if ABG was present or if laboratory results detected a contaminant of concern at a concentration exceeding Commercial Use SCOs. Quality control samples, including duplicates and matrix/matrix spike duplicates, were collected at a frequency of one per 20 samples to ensure precision and accuracy. A summary of soil sample collection and analysis is provided in **Table 2.**

All non-disposable soil sampling equipment was decontaminated between samples using an Alconox wash followed by a clean water rinse.

Each soil boring was backfilled with soil cuttings. Each soil boring was restored to match pre-sampling conditions. Photographs from the PDI WP, including photographs of observed ABG materials, are included as **Appendix C**.

3.3 Soil Sampling Collection and Handling Procedures

Soil sampling equipment included stainless steel trowels, bowls, spoons, scoops, hand auger, sample containers, sampling zip lock bags, and coolers with ice. Nitrile gloves were worn by personnel collecting and handling the samples. All non-disposable equipment and tooling used for sampling were properly decontaminated as described in the PDI WP. Decontamination took place between sampling locations and intervals. Soil samples were collected using clean laboratory-supplied appropriate containers and preserved on ice in coolers during field sampling activities. Target samples were then submitted for laboratory analysis, as listed in **Table 2**.

3.4 Base Map Development and Site Survey

A comprehensive topographic and American Land Title Association (ALTA) survey was performed to provide base maps for developing the remedial design. Twin Tier Land Surveying was enlisted to perform the survey and collect ground surface point elevation data to construct a Site contour map with 1-foot intervals. The surveyor provided Computer-Aided Design (CAD) and PDF survey files for all collected Site data. The survey is provided as **Appendix D**. The survey referenced horizontally to the North American Datum 1983, 2011 adjustment (NAD83/2011), and vertically to the North American Vertical Datum of 1988 (NAVD88) as in accordance with New York State Standards.

The field survey included establishing a project horizontal control and the collection of planimetric features for the development of 2D mapping. Only the exterior Site features were recorded in the survey. Subsequently, a base map of the Site was developed using CAD software that was utilized to place all PDI soil borings.

4.0 RESULTS

4.1 Ash, Brick, and Glass Results

Field observations from ABG soil boring operations are summarized in **Table 2**. As documented in the table, ABG was encountered in 14 of the 22 borings. The recovered material consisted of trace quantities of slag along with fragments of colored glass (black, white, blue, red, or green), and substantial brick pieces. ABG was observed in both the 0-2 inches below grade interval and the 2-12 inches below grade interval.

4.2 Analytical Results

Pace was selected as the laboratory to perform all analytical work to ensure compliance with NYSDEC requirements. 22 samples (with an additional 9 QA/QC samples) were analyzed by Pace. Sample results were compared against Part 375 Commercial Use SCOs. Sample locations are provided on **Figure 3**. Laboratory results are provided in **Appendix E.**

4.2.1 PDI

PDI samples were samples collected during the investigation to characterize surface and shallow subsurface conditions at the Site. These samples were analyzed for SVOCs and metals to confirm contaminant concentrations against regulatory cleanup objectives and to define the extent of contamination.

No compounds were detected at concentrations that exceed the Commercial Use SCO. A full list of detections and results are listed in **Table 3.**

4.2.2 Waste Characterization

Waste characterization samples were collected along with the PDI samples to provide a waste profile for the on-site soil. Of the 22 samples collected, 12 were analyzed for hazardous waste characteristics including Toxic Characteristic Leaching Procedure (TCLP) sampling for VOCs, SVOCs, Resource Conservation and Recovery Act (RCRA) 8 Metals, total polychlorinated biphenyls (PCBs), and total cyanide, to determine whether the material meets hazardous waste criteria and to inform proper handling, storage, and disposal in compliance with state and federal standards. Laboratory results are provided in **Appendix E.**

5.0 REFERENCES

Caldwell, D.H., et.al., 1986, Surficial Geologic Map of New York, New York State Museum – Geological Survey, Map and Chart series Finger Lakes Sheet.

Fisher, D.W., et. al., 1970, Geologic Map of New York, New York State Museum and Science Service, Map and Chart Series Finger Lakes Sheet.

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FIGURES

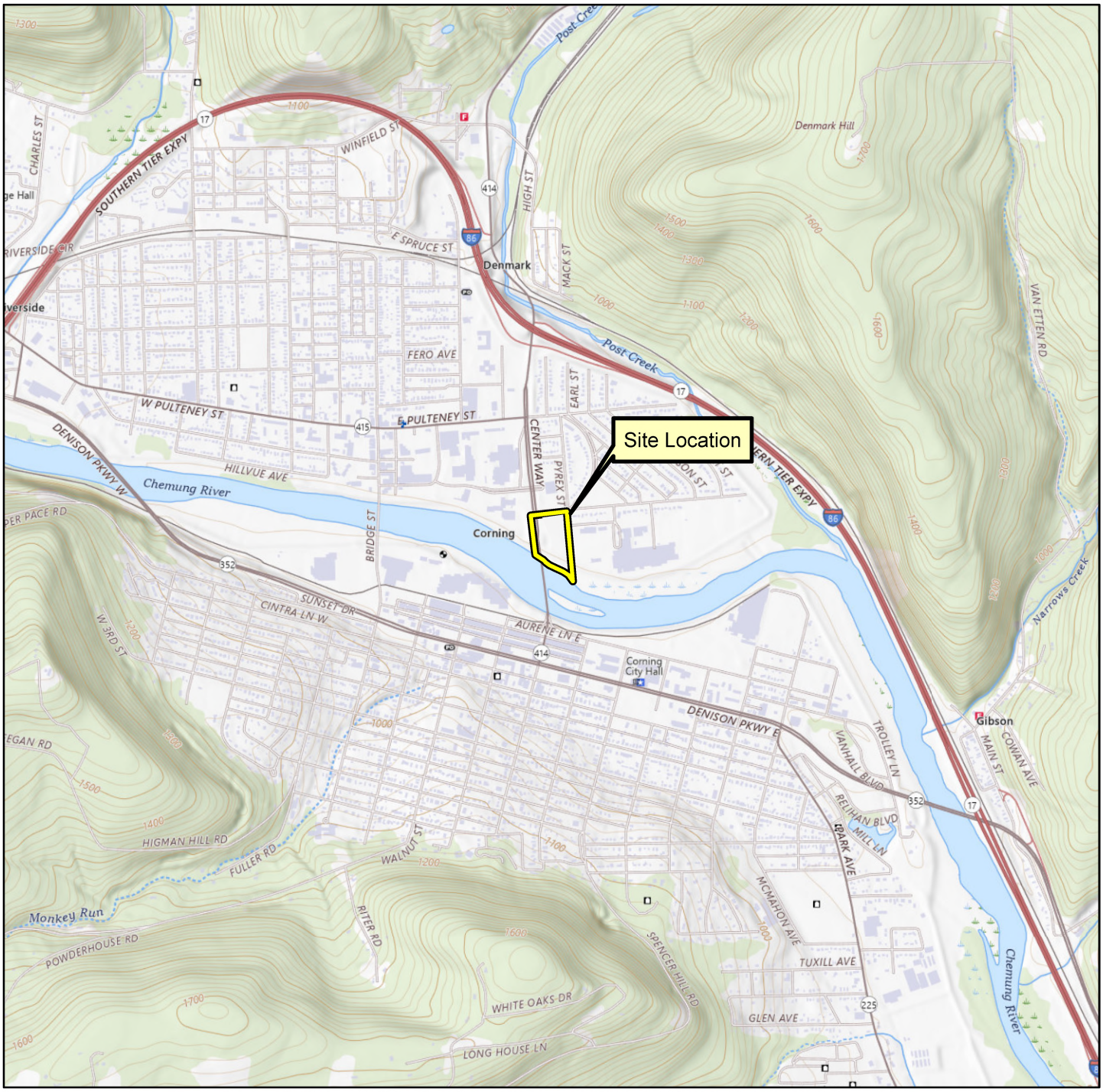


Figure 1
Site Location
City of Corning
Fire Department
Site ID 851050
2 Corning Boulevard,
Corning, New York, 14830

USGS Quadrangle Information
Quad ID: 42077-B1
Name: Corning, New York
Date Rev: 2016
Date Pub: 2019

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Figure No. **2**	**Site Boundary and Tax Parcel** City of Corning Fire Department Site ID 851050 2 Corning Boulevard, Corning, New York, 14830	Issue Date: 01/13/2026 Project No: DEC1056.P3 Sheet Size: 11x17	Designed By: CMS Drawn By: AJN Reviewed By:	Revisions No. Date	North 0 40 80 Feet	HRP MOVE YOUR ENVIRONMENT FORWARD ONE FAIRCHILD SQUARE SUITE 110 CLIFTON PARK, NY 12065 (518) 877-7101 HRPASSOCIATES.COM

Path: S:\Data\N\NYDEC - NYSDEC\CORNING ABG\DEC1056P3 - Corning Fire Department\GIS\City Fire Department\city_fire_department\city_fire_department.aprx

Sample Name:	NYSDEC Part 375 Commercial Use SCOs	SS-02
Sample Depth (ft bg):		0.0-0.17
SVOCs (mg/kg)		
Benzo(a)anthracene	5.6	6.5
Benzo(a)pyrene	1	7.6
Benzo(b)fluoranthene	5.6	9.7
Indeno(1,2,3c-d)pyrene	5.6	6.4

Sample Name:	NYSDEC Part 375 Commercial Use SCOs	SB-09
Sample Depth (ft bg):		0.0-0.5
SVOCs (mg/kg)		
Benzo(a)pyrene	1	1.6

Sample Name:	NYSDEC Part 375 Commercial Use SCOs	SB-10
Sample Depth (ft bg):		0.5-1
Metals (mg/kg)		
Arsenic	16	20

Sample Name:	NYSDEC Part 375 Commercial Use SCOs	SB-11
Sample Depth (ft bg):		0.0-0.5
SVOCs (mg/kg)		
Benzo(a)pyrene	1	1.1

Sample Name:	NYSDEC Part 375 Commercial Use SCOs	SB-20
Sample Depth (ft bg):		0.0-0.5
SVOCs (mg/kg)		
Benzo(a)pyrene	1	3

Sample Name:	NYSDEC Part 375 Commercial Use SCOs	SB-16	
Sample Depth (ft bg):		0.0-0.5	0.5-1.0
SVOCs (mg/kg)			
Benzo(a)pyrene	1	1.5	1.5

B-1, B-2, B-3, B-4, B-5, C-1, C-2, C-3, C-4, C-6, C-7, D-3, D-4, D-5, D-6, E-1, E-2, E-3, E-4, E-5, E-7, NS

Flood Control Berm

Legend

- Site Boundary
- US Army Corps of Engineers (USACE) Flood Control Levee
- Observed ABG from Previous Investigation
- Observed ABG in Surface Soils from Previous Investigation
- Proposed Soil Sampling Grid (100 X 100 ft)
- Proposed Soil Sampling Grids Near Flood Control Levee - Field Verification Required Prior to Sampling
- Soil Borings With ABG
- Soil Borings Without ABG
- Tax Parcels Boundary

Figure No. 3	**ABG Observations** City of Corning Fire Department Site ID 851050 2 Corning Boulevard, Corning, New York, 14830	Issue Date: 02/16/2026	Designed By: CMS	Revisions No. / Date	North; 0 40 80 Feet
		Project No: DEC1056.P3	Drawn By: AJN		
		Sheet Size: 11x17	Reviewed By:		

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TABLES

Table 1
Summary of ABG Locations and Analytical Samples
Pre-Design Investigation Report
Corning Fire Department, Site #851050
2 Corning Boulevard
Corning, New York

Cell ID	Total Depth (FT BG)	ABG (Yes/No)	Other Fill (Yes/No)	Fill Depth (IN BG)	PDI Sample[1] (Yes/No)	Fill Description	Analytical Sample Depth (IN BG)	Matrix	Analytical Type	Sampling Date
E-1[2]	1	Yes	No	0-12	Yes	One small piece of black glass	0-2	Soil	Normal	11/17/2025
							2-12	Soil	Normal	11/17/2025
C-7	1	Yes	No	0-12	No	Small two-inch pieces of white glass	0-12	Soil	Normal	11/17/2025
C-1	0.75	No	N/A	N/A	Yes	N/A	0-2	Soil	Normal	11/17/2025
							2-12	Soil	Normal	11/17/2025
B-1	1	No	Trace Slag	0-12	Yes	N/A	0-2	Soil	Normal	11/17/2025
							2-12	Soil	Normal	11/17/2025
B-2	1	No	N/A	N/A	Yes	N/A	0-2	Soil	DUP/MS/MSD	11/17/2025
							2-12	Soil	DUP/MS/MSD	11/17/2025
C-2	1	No	N/A	N/A	Yes	N/A	0-2	Soil	Normal	11/17/2025
							2-12	Soil	Normal	11/17/2025
B-3	1	Yes	No	2-12	No	A large piece of red glass	0-12	Soil	Normal	11/17/2025
B-4	1	Yes	No	0-12	No	Multiple fragments of blue glass	0-12	Soil	Normal	11/17/2025
C-3	1	No	N/A	0-12	Yes	N/A	0-2	Soil	Normal	11/17/2025
							2-12	Soil	Normal	11/17/2025
C-4	1	Yes	No	2-12	No	Trace glass fragments	0-12	Soil	Normal	11/17/2025
D-5	1	Yes	No	2-12	No	Trace glass fragments	0-12	Soil	Normal	11/17/2025
D-4	1	Yes	No	2-12	No	Trace glass fragments	0-12	Soil	Normal	11/17/2025
D-3	1	No	N/A	N/A	Yes	N/A	0-2	Soil	Normal	11/17/2025

Table 1
Summary of ABG Locations and Analytical Samples
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Corning Fire Department, Site #851050
2 Corning Boulevard
Corning, New York

Cell ID	Total Depth (FT BG)	ABG (Yes/No)	Other Fill (Yes/No)	Fill Depth (IN BG)	PDI Sample[1] (Yes/No)	Fill Description	Analytical Sample Depth (IN BG)	Matrix	Analytical Type	Sampling Date
							2-12	Soil	Normal	11/17/2025
E-2	1	No	N/A	N/A	Yes	N/A	0-2	Soil	Normal	11/17/2025
							2-12	Soil	Normal	11/17/2025
E-3	1	No	N/A	N/A	Yes	N/A	0-2	Soil	Normal	11/17/2025
							2-12	Soil	Normal	11/17/2025
E-5	1	Yes	No	2-12	No	Three small pieces of white glass	0-12	Soil	Normal	11/18/2025
E-6	1	Yes	No	0-12	No	One piece of green glass	0-12	Soil	Normal	11/18/2025
E-4	1	No	N/A	N/A	Yes	N/A	0-2	Soil	Normal	11/18/2025
							2-12	Soil	Normal	11/18/2025
E-7	1	Yes	N/A	0-12	No	Several small pieces of glass fragments	0-12	Soil	Normal	11/18/2025
D-6	1	Yes	Trace Slag	2-12	No	One piece of glass and one piece of brick	0-12	Soil	Normal	11/18/2025
C-6	1	Yes	Trace Slag	2-12	No	Several small pieces of glass and one large piece of brick	0-12	Soil	Normal	11/18/2025
B-5	1	Yes	N/A	2-12	No	Several small pieces of glass fragments	0-12	Soil	Normal	11/18/2025

Notes:

1. Samples with ABG did not get PDI Samples, with the exception of E-1 in which the glass was identified after sample collection
2. FT BG = Feet Below Grade
3. IN BG = Inches Below Grade
4. N/A = Not Applicable
5. DUP = Duplicate
6. MS = Matrix Spike
   MSD= Matrix Spike Duplicate

Table 2
Analytical Methods/Quality Assurance Summary
City of Corning Fire Department - Site # 851050
2 Corning Boulevard
Corning, New York

					Containers per Sample			Preservation Requirements			
Parameter	**Matrix**	**Number of Samples (including Field QC)**	**Preparation Method**	**Analytical Method***	**No.**	**Size**	**Type**	**Temp.**	**Light Sensitive**	**Chemical**	**Maximum Holding Time**
Surface Soil											
TCL SVOCs by GC/MS	Soil	10	3546	SW-846 Method 8270C	1	8 oz	amber glass jar	2-6º C	Yes	NA	14 days
TAL Metals (including Mercury and Boron) by ICP	Soil	10	3050B	SW-846 Method 6010B	1	8 oz	clear glass jar	NA	No	NA	6 months
Waste Characterization Soil											
TCLP VOCs	Soil	12	1311	8260	1	8 oz	amber glass jar	2-6º C	Yes	NA	14 days
TCLP SVOCs	Soil	12	1311	8270	1	8 oz	amber glass jar	2-6º C	Yes	NA	14 days
TCLP RCRA 8 Metals	Soil	12	1311	6010D	1	8 oz	clear glass jar	2-6º C	No	NA	28 days for mercury, otherwise 6 months
Ignitability	Soil	12	NA	1030	1	8 oz	clear glass jar	2-6º C	No	NA	28 days
Corrosivity/pH	Soil	12	NA	1110/9045D	1	8 oz	clear glass jar	2-6º C	No	NA	Immediate
Total PCBs	Soil	12	6003A	8082A	1	4 oz	clear glass jar	2-6º C	No	NA	14 days
Total Sulfide	Soil	12	NA	9030A	1	8 oz	clear glass jar	2-6º C	No	NA	7 days
Total Cyanide	Soil	12	9012	9012B	1	4 oz	clear glass jar	2-6º C	No	NA	14 days

* The total number of samples collected is dependent on the observation of ash, brick, and glass in each boring.

Acronym List:

GC: Gas Chromatography
ICP: Inductively Coupled Plasma
HCL: Hydrochloric Acid
TCLP: Toxicity Characteristic Leaching Procedure
TAL: Target Analyte List
CV: Cold Vapor
VOCs: Volatile Organic Compounds
SVOCs: Semi-Volatile Organic Compounds
NA: Not Applicable
PCBs: Polychlorinated Biphenyls
Oz: ounce
RCRA: Resource Conservation and Recovery Act

Table 1
Summary of ABG Locations and Analytical Samples Pre-Design Investigation Report
Corning Fire Department, Site #851050
2 Corning Boulevard,
Corning, New York

Location:	Part 375 Restricted Residential	Part 375 Commercial	B-1	B-1	B-2	B-2	C-1	C-1	C-2	C-2	C-3	C-3
Date Collected:			11/17/2025	11/17/2025	11/17/2025	11/17/2025	11/17/2025	11/17/2025	11/17/2025	11/17/2025	11/17/2025	11/17/2025
Sample ID:			B-1 (0-2in)	B-1 (2-12in)	B-2 (0-2in)	B-2 (2-12in)	C-1 (0-2in)	C-1 (2-12in)	C-2 (0-2in)	C-2 (2-12in)	C-3 (0-2in)	C-3 (2-12in)
Laboratory Sample ID:			25K1213-11	25K1213-12	25K1213-13RE1	25K1213-14RE1	25K1213-09	25K1213-10	25K1213-01	25K1213-02	25K1213-03	25K1213-04
General Chemistry Parameters												
Solids, Percent	NP	NP	**79.3**	**88.6**	**83.7**	**83.2**	**79.9**	**87.9**	**79.9**	**83.2**	**74.5**	**85.7**
Semivolalite Organic Compounds (SVOC) (mg/kg)												
1-Methylnaphthalene	NP	NP	**0.0140 J**	**0.042**	**0.00550 J**	**0.00720 J**	< 0.0410 U	< 0.0370 U	< 0.0410 U	< 0.0400 U	< 0.0440 U	**0.00580 J**
2-Methylnaphthalene	NP	NP	**0.0200 J**	**0.052**	**0.00710 J**	**0.00960 J**	< 0.0410 U	< 0.0370 U	< 0.0410 U	< 0.0400 U	< 0.0440 U	**0.0110 J**
Acenaphthene	100	500	< 0.0420 U	**0.00680 J**	< 0.0390 U	< 0.0390 U	< 0.0410 U	< 0.0370 U	< 0.0410 U	< 0.0400 U	< 0.0440 U	< 0.0380 U
Acenaphthylene	100	500	**0.0230 J**	**0.041**	**0.00740 J**	**0.0170 J**	**0.0120 J**	**0.0100 J**	< 0.0410 U	< 0.0400 U	**0.00850 J**	< 0.0380 U
Anthracene	100	500	**0.0150 J**	**0.0290 J**	**0.00780 J**	**0.0170 J**	**0.0100 J**	**0.00760 J**	**0.00750 J**	< 0.0400 U	**0.00760 J**	< 0.0380 U
Benzaldehyde	NP	NP	< 0.430 U	< 0.380 U	**0.0830 J**	< 0.410 U	< 0.420 U	< 0.390 U	< 0.420 U	< 0.410 U	**0.330 J**	< 0.400 U
Benzo(a)anthracene	1.4	37	**0.096**	**0.12**	**0.049**	**0.073**	**0.045**	**0.0370 J**	**0.06**	**0.0340 J**	**0.0390 J**	**0.0350 J**
Benzo(a)pyrene	1	3.7	**0.12**	**0.14**	**0.051**	**0.082**	**0.053**	**0.051**	**0.077**	**0.04**	**0.052**	**0.049**
Benzo(b)fluoranthene	1.4	37	**0.2**	**0.25**	**0.078**	**0.12**	**0.083**	**0.065**	**0.12**	**0.065**	**0.082**	**0.076**
Benzo(ghi)perylene	4.9	47	**0.096**	**0.11**	**0.043**	**0.072**	**0.044**	**0.047**	**0.057**	**0.0270 J**	**0.0440 J**	**0.061**
Benzo(k)fluoranthene	4.9	47	**0.065**	**0.085**	**0.0270 J**	**0.041**	**0.0270 J**	**0.0260 J**	**0.042**	**0.0210 J**	**0.0290 J**	**0.0280 J**
Bis(2-ethylhexyl)phthalate	NP	NP	< 0.430 U	< 0.380 U	< 0.400 U	< 0.410 U	< 0.420 U	< 0.390 U	< 0.420 U	< 0.410 U	< 0.450 U	< 0.400 U
Butylbenzyl phthalate	NP	NP	< 0.430 U	< 0.380 U	< 0.400 U	< 0.410 U	< 0.420 U	< 0.390 U	< 0.420 U	< 0.410 U	< 0.450 U	< 0.400 U
Carbazole	NP	NP	< 0.210 U	< 0.190 U	< 0.200 U	< 0.200 U	< 0.210 U	< 0.190 U	< 0.210 U	< 0.200 U	< 0.230 U	< 0.200 U
Chrysene	4.9	47	**0.15**	**0.22**	**0.056**	**0.094**	**0.051**	**0.04**	**0.083**	**0.043**	**0.058**	**0.039**
Dibenzo(a,h)anthracene	0.33	3.7	**0.0290 J**	**0.0360 J**	< 0.0390 U	< 0.0390 U	< 0.0410 U	< 0.0370 U	< 0.0410 U	< 0.0400 U	< 0.0440 U	< 0.0380 U
Fluoranthene	100	500	**0.21**	**0.26**	**0.094**	**0.17**	**0.067**	**0.042**	**0.16**	**0.08**	**0.1**	**0.054**
Fluorene	100	500	**0.00840 J**	< 0.0370 U	< 0.0390 U	**0.00640 J**	< 0.0410 U	< 0.0370 U	< 0.0410 U	< 0.0400 U	< 0.0440 U	< 0.0380 U
Indeno(1,2,3-cd)pyrene	1.4	37	**0.11**	**0.12**	**0.045**	**0.073**	**0.054**	**0.052**	**0.06**	**0.0320 J**	**0.046**	**0.051**
Naphthalene	100	500	**0.0180 J**	**0.054**	**0.00980 J**	**0.0120 J**	< 0.0410 U	< 0.0370 U	< 0.0410 U	< 0.0400 U	**0.00890 J**	< 0.0380 U
Phenanthrene	4.9	47	**0.089**	**0.15**	**0.0360 J**	**0.069**	**0.0200 J**	**0.0130 J**	**0.06**	**0.0270 J**	**0.044**	**0.0140 J**
Phenol	100	500	< 0.430 U	< 0.380 U	< 0.400 U	< 0.410 U	< 0.420 U	< 0.390 U	< 0.420 U	< 0.410 U	**0.0540 J**	< 0.400 U
Pyrene	100	500	**0.17**	**0.21**	**0.07**	**0.12**	**0.062**	**0.041**	**0.12**	**0.056**	**0.068**	**0.045**
Metals (mg/kg)												
Aluminum	NP	NP	**7100**	**6310**	**5900**	**6790**	**9070**	**9360**	**6250**	**6220**	**6330**	**9630**
Arsenic	16	16	**9.1**	**14.1**	**7.28**	**7.82**	**6.11**	**5.76**	**5.2**	**5.07**	**5.84**	**5.91**
Barium	410	410	**101**	**108**	**78.2**	**87.3**	**114**	**132**	**84.3**	**84.9**	**84.8**	**129**
Beryllium	43	670	**0.577**	**0.519**	**0.423 J**	**0.479**	**0.498**	**0.492**	**0.354 J**	**0.351 J**	**0.351 J**	**0.503**
Boron	NP	NP	**5.3**	**8.7**	**7.11**	**6.5**	**1.76 J**	**1.54 J**	**1.97 J**	**1.59 J**	**3.45**	**1.54 J**
Cadmium	2.5	3.7	**1.02**	**0.884 J**	**0.819 J**	**0.907 J**	**0.257 J**	**0.180 J**	**0.300 J**	**0.300 J**	**0.288 J**	**0.204 J**
Calcium	NP	NP	**2650**	**5610**	**2960**	**3610**	**4190**	**7790**	**1480**	**1370**	**5180**	**3560**
Chromium	110	1700	**11.5**	**18.4**	**8.77**	**10.1**	**12.1**	**12.2**	**8.46**	**8.52**	**10**	**12.6**
Cobalt	NP	NP	**11.3**	**10.3**	**8.07**	**9.25**	**8.62**	**8.98**	**7.11**	**7.2**	**6.69**	**9.58**
Copper	280	280	**27.6**	**46.2**	**15.7**	**17.8**	**15.3**	**14.7**	**12.2**	**12.2**	**16.5**	**13.8**
Iron	NP	NP	**17800**	**22100**	**13800**	**15600**	**19000**	**19600**	**14200**	**14200**	**16100**	**21300**
Lead	400	1000	**102**	**123**	**68.1**	**74.5**	**16.1**	**12.2**	**28.9**	**28.3**	**13.7**	**8.92**
Magnesium	NP	NP	**2390**	**2770**	**2230**	**2580**	**2880**	**3440**	**2050**	**2040**	**3010**	**3470**
Manganese	2000	10000	**598**	**494**	**458**	**522**	**674**	**540**	**406**	**423**	**450**	**463**
Mercury	0.3	1.1	**0.0850 J**	**0.082**	**0.099**	**0.101**	< 0.0920 U	< 0.0770 U	< 0.0880 U	< 0.0780 U	< 0.0920 U	< 0.0730 U
Nickel	320	320	**20.7**	**21**	**15.7**	**18.2**	**18.6**	**18**	**14.4**	**14.6**	**13.6**	**19**
Potassium	NP	NP	**736**	**450**	**640**	**635**	**657**	**648**	**580**	**479**	**591**	**667**
Selenium	110	1700	**0.847 J**	**1.09 J**	**0.533 J**	**0.444 J**	**0.417 J**	< 1.77 U	< 1.96 U	**0.323 J**	< 2.08 U	< 1.81 U
Sodium	NP	NP	< 190 U	< 177 U	< 182 U	< 185 U	**350**	**357**	< 196 U	< 187 U	**738**	**669**
Vanadium	NP	NP	**10.8**	**11.2**	**8.31**	**9.5**	**12.3**	**14**	**8.6**	**8.59**	**9.28**	**15.3**
Zinc	6600	10000	**120**	**127**	**79.4**	**90.3**	**60.8**	**54.5**	**54.9**	**54.6**	**57**	**52.1**

Legend	
<1	Parameter not detcted above the laboratory reporting limit
1	Parameter reported above the laboratory reporting limit but below the appilicable regulatory standard/criterion
1	Parameter reported at a concentrations greater than Part 375 Restricted Residential SCOs
1	Parameter reported at a concentrations greater than Part 375 Commerical SCOs

Notes:
ft bg = feet below grade
mg/kg = micrograms per kilogram
NA = Not Analyzed
NP = not promulgated/ no applicable SCO
SCO = Soil Cleanup Objective
J = Detected but below the Reporting Limit (lowest calibration standard)
U = indicates that the results of the parameter is above the Method Detection Limit

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Table 1
Summary of ABG Locations and Analytical Samples Pre-Design Investigation Report
Corning Fire Department, Site #851050
2 Corning Boulevard,
Corning, New York

Location:	Part 375 Restricted Residential	Part 375 Commercial	D-3	D-3	E-1	E-2	E-2	E-3	E-4	E-4
Date Collected:			11/17/2025	11/17/2025	11/17/2025	11/17/2025	11/17/2025	11/17/2025	11/17/2025	11/17/2025
Sample ID:			D-3 (0-2in)	D-3 (2-12in)	E-1 (2-12in)	E-2 (0-2in)	E-2 (2-12in)	E-3 (0-2in)	E-4 (2-12in)	E-4 (0-2in)
Laboratory Sample ID:			25K1216-01	25K1216-02	25K1213-08	25K1216-03	25K1216-04	25K1216-05	25K1213-06	25K1213-05
General Chemistry Parameters										
Solids, Percent	NP	NP	82	87	82.8	81	91.2	82.3	82.9	77.1
Semivolalite Organic Compounds (SVOC) (mg/kg)										
1-Methylnaphthalene	NP	NP	< 0.0400 U	< 0.0380 U	< 0.0400 U	< 0.0410 U	< 0.0360 U	< 0.0400 U	< 0.0400 U	< 0.0430 U
2-Methylnaphthalene	NP	NP	< 0.0400 U	**0.00570 J**	< 0.0400 U	< 0.0410 U	< 0.0360 U	< 0.0400 U	< 0.0400 U	< 0.0430 U
Acenaphthene	100	500	**0.0150 J**	**0.0260 J**	**0.00760 J**	**0.00660 J**	< 0.0360 U	< 0.0400 U	< 0.0400 U	< 0.0430 U
Acenaphthylene	100	500	**0.0150 J**	**0.0190 J**	**0.00920 J**	**0.0120 J**	< 0.0360 U	**0.00570 J**	**0.0100 J**	< 0.0430 U
Anthracene	100	500	**0.071**	**0.13**	**0.043**	**0.0310 J**	**0.00690 J**	**0.00970 J**	**0.0310 J**	**0.00860 J**
Benzaldehyde	NP	NP	< 0.410 U	< 0.390 U	< 0.410 U	< 0.420 U	< 0.370 U	< 0.410 U	< 0.410 U	< 0.440 U
Benzo(a)anthracene	1.4	37	**0.48**	**0.75**	**0.28**	**0.23**	**0.05**	**0.061**	**0.34**	**0.051**
Benzo(a)pyrene	1	3.7	**0.62**	**0.92**	**0.33**	**0.3**	**0.057**	**0.086**	**0.46**	**0.082**
Benzo(b)fluoranthene	1.4	37	**0.86**	**1.3**	**0.45**	**0.45**	**0.082**	**0.13**	**0.62**	**0.12**
Benzo(ghi)perylene	4.9	47	**0.54**	**0.66**	**0.25**	**0.22**	**0.042**	**0.083**	**0.44**	**0.092**
Benzo(k)fluoranthene	4.9	47	**0.31**	**0.46**	**0.17**	**0.16**	**0.0300 J**	**0.049**	**0.22**	**0.0380 J**
Bis(2-ethylhexyl)phthalate	NP	NP	**0.0990 J**	**0.150 J**	< 0.410 U	< 0.420 U	< 0.370 U	< 0.410 U	< 0.410 U	< 0.440 U
Butylbenzyl phthalate	NP	NP	**0.0500 J**	**0.0570 J**	< 0.410 U	< 0.420 U	< 0.370 U	< 0.410 U	< 0.410 U	< 0.440 U
Carbazole	NP	NP	**0.0590 J**	**0.110 J**	< 0.200 U	< 0.210 U	< 0.190 U	< 0.210 U	< 0.200 U	< 0.220 U
Chrysene	4.9	47	**0.6**	**0.91**	**0.32**	**0.29**	**0.058**	**0.085**	**0.36**	**0.06**
Dibenzo(a,h)anthracene	0.33	3.7	**0.1**	**0.12**	**0.056**	**0.049**	< 0.0360 U	**0.0210 J**	**0.079**	**0.0210 J**
Fluoranthene	100	500	**1.3**	**2.2**	**0.76**	**0.51**	**0.11**	**0.15**	**0.61**	**0.089**
Fluorene	100	500	**0.0190 J**	**0.0330 J**	**0.0110 J**	**0.00900 J**	< 0.0360 U	< 0.0400 U	< 0.0400 U	< 0.0430 U
Indeno(1,2,3-cd)pyrene	1.4	37	**0.56**	**0.71**	**0.27**	**0.24**	**0.045**	**0.089**	**0.43**	**0.085**
Naphthalene	100	500	**0.00930 J**	**0.0120 J**	< 0.0400 U	< 0.0410 U	< 0.0360 U	< 0.0400 U	< 0.0400 U	< 0.0430 U
Phenanthrene	4.9	47	**0.45**	**0.79**	**0.26**	**0.18**	**0.038**	**0.066**	**0.082**	**0.0300 J**
Phenol	100	500	< 0.410 U	< 0.390 U	< 0.410 U	< 0.420 U	< 0.370 U	< 0.410 U	< 0.410 U	< 0.440 U
Pyrene	100	500	**0.89**	**1.4**	**0.57**	**0.37**	**0.083**	**0.1**	**0.53**	**0.078**
Metals (mg/kg)										
Aluminum	NP	NP	**6420**	**6760**	**7280**	**5680**	**5060**	**5420**	**9840**	**9370**
Arsenic	16	16	**6.03**	**5.68**	**5.66**	**4.26**	**4.3**	**5.34**	**5.16**	**5.84**
Barium	410	410	**79.1**	**80**	**94.6**	**78.4**	**73.4**	**76.9**	**113**	**99.4**
Beryllium	43	670	**0.351 J**	**0.372 J**	**0.426 J**	**0.303 J**	**0.281 J**	**0.272 J**	**0.507**	**0.503**
Boron	NP	NP	**3.04**	**2.78**	**5.11**	**3.2**	**2.26 J**	**3.01**	**1.70 J**	**2.06 J**
Cadmium	2.5	3.7	**0.345 J**	**0.645 J**	**0.585 J**	**0.230 J**	**0.202 J**	**0.154 J**	**0.155 J**	**0.156 J**
Calcium	NP	NP	**3600**	**5200**	**1870**	**7820**	**18500**	**13200**	**7660**	**3570**
Chromium	110	1700	**12.9**	**11.5**	**9.51**	**8.38**	**8.25**	**9.36**	**12.9**	**12.2**
Cobalt	NP	NP	**6.58**	**7.16**	**7.91**	**6.16**	**5.46**	**5.8**	**9.36**	**8.6**
Copper	280	280	**18.3**	**22.8**	**11.9**	**14.3**	**13.9**	**14.4**	**15.9**	**15**
Iron	NP	NP	**15100**	**15600**	**16100**	**13400**	**12700**	**13400**	**21400**	**19700**
Lead	400	1000	**28.3**	**44.4**	**31.3**	**16.1**	**18.2**	**11.6**	**7.86**	**11.9**
Magnesium	NP	NP	**2660**	**2880**	**2370**	**3260**	**3250**	**3780**	**3800**	**3790**
Manganese	2000	10000	**459**	**440**	**536**	**500**	**502**	**521**	**412**	**596**
Mercury	0.3	1.1	< 0.0820 U	< 0.0740 U	< 0.0860 U	< 0.0830 U	< 0.0750 U	< 0.0830 U	< 0.0880 U	< 0.0860 U
Nickel	320	320	**14.5**	**16.9**	**16**	**13.2**	**11.8**	**13.2**	**19.2**	**19.1**
Potassium	NP	NP	**471**	**469**	**444**	**534**	**424**	**538**	**714**	**666**
Selenium	110	1700	**0.499 J**	< 1.82 U	**0.425 J**	< 1.89 U	< 1.67 U	< 1.90 U	< 1.87 U	< 1.98 U
Sodium	NP	NP	**143 J**	**357**	< 184 U	< 189 U	< 167 U	< 190 U	**249**	**362**
Vanadium	NP	NP	**10.1**	**10.2**	**10**	**8.43**	**7.69**	**8.28**	**15.9**	**13.4**
Zinc	6600	10000	**67**	**86.6**	**55.1**	**58.4**	**49.2**	**58.4**	**50.7**	**58.3**

Legend	
<1	Parameter not detcted above the laboratory reporting limit
1	Parameter reported above the laboratory reporting limit but below the appilicable regulatory
1	Parameter reported at a concentrations greater than Part 375 Unrestricted SCOs
1	Parameter reported at a concentrations greater than Part 375 Commerical SCOs

Notes:
ft bg = feet below grade
mg/kg = micrograms per kilogram
NA = Not Analyzed
NP = not promulgated/ no applicable SCO
SCO = Soil Cleanup Objective
J = Detected but below the Reporting Limit (lowest calibration standard)
U = indicates that the results of the parameter is above the Method Detection Limit

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APPENDIX A
CAMP Data

Instrument	DustTrak II
Model Num	8530
Serial Numl	8530170717
Firmware V	3.1
Calibration	7/9/2025
Test Name	MANUAL_001
Test Start Ti	9:33:05 AM
Test Start D	11/17/2025
Test Length	0:06:30
Test Interva	15:00
Mass Avera	0.001
Mass Minin	0
Mass Maxin	0.001
Mass TWA [	0.001
Photometri	1
Flow User C	0
Errors	
Number of	26

Elapsed Tin	Mass [mg/m3]	Alarms	Errors
900	0		
1800	0		
2700	0		
3600	0		
4500	0		
5400	0		
6300	0		
7200	0		
8100	0		
9000	0.001		
9900	0.001		
10800	0.001		
11700	0.001		
12600	0.001		
13500	0.001		
14400	0.001		
15300	0.001		
16200	0.001		
17100	0.001		
18000	0.001		
18900	0.001		
19800	0.001		
20700	0.001		
21600	0.001		

22500	0.001
23400	0.001

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530170717
Firmware Version		3.1
Calibration Date		7/9/2025
Test Name	MANUAL_002	
Test Start Time		8:18:19 AM
Test Start Date		11/18/2025
Test Length [D:H:M]		0:05:15
Test Interval [M:S]		15:00
Mass Average [mg/m3]		0.003
Mass Minimum [mg/m3]		0.001
Mass Maximum [mg/m3]		0.007
Mass TWA [mg/m3]		0.002
Photometric User Cal		1
Flow User Cal		0
Errors		
Number of Samples		21

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.007		
1800	0.002		
2700	0.002		
3600	0.001		
4500	0.001		
5400	0.001		
6300	0.002		
7200	0.002		
8100	0.002		
9000	0.002		
9900	0.003		
10800	0.003		
11700	0.003		
12600	0.003		
13500	0.003		
14400	0.004		
15300	0.004		
16200	0.004		
17100	0.003		
18000	0.003		
18900	0.003		

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530142413
Firmware Version		3.1
Calibration Date		9/19/2025
Test Name	MANUAL_001	
Test Start Time		9:30:08 AM
Test Start Date		11/17/2025
Test Length [D:H:M]		0:06:45
Test Interval [M:S]		15:00
Mass Average [mg/m3]		0.004
Mass Minimum [mg/m3]		0.003
Mass Maximum [mg/m3]		0.008
Mass TWA [mg/m3]		0.004
Photometric User Cal		1
Flow User Cal		0
Errors		
Number of Samples		27

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.008		
1800	0.005		
2700	0.004		
3600	0.004		
4500	0.004		
5400	0.004		
6300	0.004		
7200	0.003		
8100	0.003		
9000	0.004		
9900	0.004		
10800	0.004		
11700	0.004		
12600	0.004		
13500	0.004		
14400	0.004		
15300	0.004		
16200	0.004		
17100	0.004		
18000	0.004		
18900	0.004		
19800	0.004		
20700	0.004		
21600	0.004		

22500	0.004
23400	0.005
24300	0.005

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530142413
Firmware Version	3.1
Calibration Date	9/19/2025
Test Name	MANUAL_002
Test Start Time	8:13:58 AM
Test Start Date	11/18/2025
Test Length [D:H:M]	0:05:15
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.004
Mass Minimum [mg/m3]	0.003
Mass Maximum [mg/m3]	0.01
Mass TWA [mg/m3]	0.003
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	21

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.01		
1800	0.006		
2700	0.006		
3600	0.005		
4500	0.004		
5400	0.004		
6300	0.004		
7200	0.004		
8100	0.005		
9000	0.004		
9900	0.004		
10800	0.004		
11700	0.004		
12600	0.003		
13500	0.003		
14400	0.003		
15300	0.003		
16200	0.004		
17100	0.004		
18000	0.004		
18900	0.004		

==========
25/11/17 09:24
****
Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-925066
Unit Firmware Ver V2.22A

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID RAE00005
User ID USER0000

Begin 11/17/2025 09:24:07
End 11/17/2025 16:23:52
Sample Period(s) 900
Number of Records 27

Sensor PID(ppm)
Sensor SN S023030101D7
Measure Type Min; Avg; Max; Real
Span 100.0
Span 2 1000.0
Low Alarm 50.0
High Alarm 100.0
Over Alarm 15000.0
STEL Alarm 25.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 11/13/2025 11:03
Peak 0.0
Min 0.0
Average 0.0

****
Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	PID(ppm)
001	11/17/2025 09:39:07	0.0	0.0	0.0	0.0	
002	11/17/2025 09:54:07	0.0	0.0	0.0	0.0	
003	11/17/2025 10:09:07	0.0	0.0	0.0	0.0	
004	11/17/2025 10:24:07	0.0	0.0	0.0	0.0	
005	11/17/2025 10:39:07	0.0	0.0	0.0	0.0	
006	11/17/2025 10:54:07	0.0	0.0	0.0	0.0	
007	11/17/2025 11:09:07	0.0	0.0	0.0	0.0	
008	11/17/2025 11:24:07	0.0	0.0	0.0	0.0	

009	11/17/2025 11:39:07	0.0	0.0	0.0	0.0
010	11/17/2025 11:54:07	0.0	0.0	0.0	0.0
011	11/17/2025 12:09:07	0.0	0.0	0.0	0.0
012	11/17/2025 12:24:07	0.0	0.0	0.0	0.0
013	11/17/2025 12:39:07	0.0	0.0	0.0	0.0
014	11/17/2025 12:54:07	0.0	0.0	0.0	0.0
015	11/17/2025 13:09:07	0.0	0.0	0.0	0.0
016	11/17/2025 13:24:07	0.0	0.0	0.0	0.0
017	11/17/2025 13:39:07	0.0	0.0	0.0	0.0
018	11/17/2025 13:54:07	0.0	0.0	0.0	0.0
019	11/17/2025 14:09:07	0.0	0.0	0.0	0.0
020	11/17/2025 14:24:07	0.0	0.0	0.0	0.0
021	11/17/2025 14:39:07	0.0	0.0	0.0	0.0
022	11/17/2025 14:54:07	0.0	0.0	0.0	0.0
023	11/17/2025 15:09:07	0.0	0.0	0.0	0.0
024	11/17/2025 15:24:07	0.0	0.0	0.0	0.0
025	11/17/2025 15:39:07	0.0	0.0	0.0	0.0
026	11/17/2025 15:54:07	0.0	0.0	0.0	0.0
027	11/17/2025 16:09:07	0.0	0.0	0.0	0.0
Peak		0.0	0.0	0.0	0.0
Min		0.0	0.0	0.0	0.0
Average		0.0	0.0	0.0	0.0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	11/17/2025 09:39:07	0.0	0.0
002	11/17/2025 09:54:07	0.0	0.0
003	11/17/2025 10:09:07	0.0	0.0
004	11/17/2025 10:24:07	0.0	0.0
005	11/17/2025 10:39:07	0.0	0.0
006	11/17/2025 10:54:07	0.0	0.0
007	11/17/2025 11:09:07	0.0	0.0
008	11/17/2025 11:24:07	0.0	0.0
009	11/17/2025 11:39:07	0.0	0.0
010	11/17/2025 11:54:07	0.0	0.0
011	11/17/2025 12:09:07	0.0	0.0
012	11/17/2025 12:24:07	0.0	0.0
013	11/17/2025 12:39:07	0.0	0.0
014	11/17/2025 12:54:07	0.0	0.0
015	11/17/2025 13:09:07	0.0	0.0
016	11/17/2025 13:24:07	0.0	0.0
017	11/17/2025 13:39:07	0.0	0.0
018	11/17/2025 13:54:07	0.0	0.0
019	11/17/2025 14:09:07	0.0	0.0
020	11/17/2025 14:24:07	0.0	0.0
021	11/17/2025 14:39:07	0.0	0.0
022	11/17/2025 14:54:07	0.0	0.0
023	11/17/2025 15:09:07	0.0	0.0

```
024     11/17/2025 15:24:07     0.0     0.0
025     11/17/2025 15:39:07     0.0     0.0
026     11/17/2025 15:54:07     0.0     0.0
027     11/17/2025 16:09:07     0.0     0.0
============================================================
25/11/18 07:58
************************************************************
Summary
------------------------------------------------------------
Unit Name       MiniRAE 3000(PGM-7320)
Unit SN 592-925066
Unit Firmware Ver       V2.22A
------------------------------------------------------------
Running Mode    Hygiene Mode
Datalog Mode    Auto
Diagnostic Mode No
Stop Reason     Pause in Menu Mode
------------------------------------------------------------
Site ID RAE00005
User ID USER0000
------------------------------------------------------------
Begin   11/18/2025 07:58:31
End     11/18/2025 07:58:45
Sample Period(s)        900
Number of Records       0
------------------------------------------------------------
Sensor  PID(ppm)
Sensor SN       S023030101D7
Measure Type    Min; Avg; Max; Real
Span    100.0
Span 2  1000.0
Low Alarm       50.0
High Alarm      100.0
Over Alarm      15000.0
STEL Alarm      25.0
TWA Alarm       10.0
Measurement Gas Isobutylene
Calibration Time        11/13/2025 11:03

************************************************************
Datalog

0 record.

============================================================
25/11/18 08:02
************************************************************
Summary
------------------------------------------------------------
Unit Name       MiniRAE 3000(PGM-7320)
```

Unit SN 592-925066
Unit Firmware Ver V2.22A

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID RAE00005
User ID USER0000

Begin 11/18/2025 08:02:29
End 11/18/2025 13:45:15
Sample Period(s) 900
Number of Records 22

Sensor PID(ppm)
Sensor SN S023030101D7
Measure Type Min; Avg; Max; Real
Span 100.0
Span 2 1000.0
Low Alarm 50.0
High Alarm 100.0
Over Alarm 15000.0
STEL Alarm 25.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 11/13/2025 11:03
Peak 0.1
Min 0.0
Average 0.1

****

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	PID(ppm)
001	11/18/2025 08:17:29	0.0	0.0	0.0	0.0	
002	11/18/2025 08:32:29	0.0	0.1	0.1	0.1	
003	11/18/2025 08:47:29	0.1	0.1	0.1	0.1	
004	11/18/2025 09:02:29	0.1	0.1	0.1	0.1	
005	11/18/2025 09:17:29	0.1	0.1	0.1	0.1	
006	11/18/2025 09:32:29	0.1	0.1	0.1	0.1	
007	11/18/2025 09:47:29	0.1	0.1	0.1	0.1	
008	11/18/2025 10:02:29	0.1	0.1	0.1	0.1	
009	11/18/2025 10:17:29	0.1	0.1	0.1	0.1	
010	11/18/2025 10:32:29	0.1	0.1	0.1	0.1	
011	11/18/2025 10:47:29	0.1	0.1	0.1	0.1	
012	11/18/2025 11:02:29	0.1	0.1	0.1	0.1	
013	11/18/2025 11:17:29	0.1	0.1	0.1	0.1	
014	11/18/2025 11:32:29	0.1	0.1	0.1	0.1	

015	11/18/2025 11:47:29	0.1	0.1	0.1	0.1
016	11/18/2025 12:02:29	0.0	0.0	0.1	0.0
017	11/18/2025 12:17:29	0.0	0.0	0.0	0.0
018	11/18/2025 12:32:29	0.0	0.0	0.0	0.0
019	11/18/2025 12:47:29	0.0	0.0	0.1	0.0
020	11/18/2025 13:02:29	0.0	0.1	0.1	0.1
021	11/18/2025 13:17:29	0.1	0.1	0.1	0.1
022	11/18/2025 13:32:29	0.1	0.1	0.1	0.1
Peak		0.1	0.1	0.1	0.1
Min		0.0	0.0	0.0	0.0
Average		0.1	0.1	0.1	0.1

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	11/18/2025 08:17:29	0.0	0.0
002	11/18/2025 08:32:29	0.0	0.1
003	11/18/2025 08:47:29	0.0	0.2
004	11/18/2025 09:02:29	0.0	0.2
005	11/18/2025 09:17:29	0.0	0.2
006	11/18/2025 09:32:29	0.0	0.2
007	11/18/2025 09:47:29	0.0	0.2
008	11/18/2025 10:02:29	0.0	0.2
009	11/18/2025 10:17:29	0.0	0.2
010	11/18/2025 10:32:29	0.0	0.2
011	11/18/2025 10:47:29	0.0	0.2
012	11/18/2025 11:02:29	0.0	0.2
013	11/18/2025 11:17:29	0.0	0.2
014	11/18/2025 11:32:29	0.0	0.2
015	11/18/2025 11:47:29	0.0	0.2
016	11/18/2025 12:02:29	0.0	0.1
017	11/18/2025 12:17:29	0.0	0.0
018	11/18/2025 12:32:29	0.0	0.0
019	11/18/2025 12:47:29	0.0	0.0
020	11/18/2025 13:02:29	0.0	0.1
021	11/18/2025 13:17:29	0.1	0.2
022	11/18/2025 13:32:29	0.1	0.2

==========

25/11/19 13:15

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Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-925066

Unit Firmware Ver V2.22A

Running Mode Hygiene Mode

Datalog Mode Auto

Diagnostic Mode No

```
Stop Reason     Pause in Menu Mode
------------------------------------------------------------
Site ID RAE00005
User ID USER0000
------------------------------------------------------------
Begin   11/19/2025 13:15:26
End     11/19/2025 13:15:47
Sample Period(s)        900
Number of Records       0
------------------------------------------------------------
Sensor  PID(ppm)
Sensor SN       S023030101D7
Measure Type    Min; Avg; Max; Real
Span    100.0
Span 2  1000.0
Low Alarm       50.0
High Alarm      100.0
Over Alarm      15000.0
STEL Alarm      25.0
TWA Alarm       10.0
Measurement Gas Isobutylene
Calibration Time        11/13/2025 11:03

************************************************************
Datalog

0 record.

============================================================
25/11/19 13:19
************************************************************
Summary
------------------------------------------------------------
Unit Name       MiniRAE 3000(PGM-7320)
Unit SN 592-925066
Unit Firmware Ver       V2.22A
------------------------------------------------------------
Running Mode    Hygiene Mode
Datalog Mode    Auto
Diagnostic Mode No
Stop Reason     Pause in Menu Mode
------------------------------------------------------------
Site ID RAE00005
User ID USER0000
------------------------------------------------------------
Begin   11/19/2025 13:19:25
End     11/19/2025 13:23:43
Sample Period(s)        900
Number of Records       0
------------------------------------------------------------
```

Sensor PID(ppm)
Sensor SN S023030101D7
Measure Type Min; Avg; Max; Real
Span 100.0
Span 2 1000.0
Low Alarm 50.0
High Alarm 100.0
Over Alarm 15000.0
STEL Alarm 25.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 11/13/2025 11:03

****
Datalog

0 record.

==========
25/11/19 13:25
****
Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-925066
Unit Firmware Ver V2.22A

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID RAE00005
User ID USER0000

Begin 11/19/2025 13:25:13
End 11/19/2025 13:25:58
Sample Period(s) 900
Number of Records 0

Sensor PID(ppm)
Sensor SN S023030101D7
Measure Type Min; Avg; Max; Real
Span 100.0
Span 2 1000.0
Low Alarm 50.0
High Alarm 100.0
Over Alarm 15000.0
STEL Alarm 25.0
TWA Alarm 10.0

Measurement Gas Isobutylene
Calibration Time 11/19/2025 13:24

****
Datalog

0 record.

==========
25/11/19 14:28
****
Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-925066
Unit Firmware Ver V2.22A

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID RAE00005
User ID USER0000

Begin 11/19/2025 14:28:52
End 11/19/2025 14:29:17
Sample Period(s) 900
Number of Records 0

Sensor PID(ppm)
Sensor SN S023030101D7
Measure Type Min; Avg; Max; Real
Span 100.0
Span 2 1000.0
Low Alarm 50.0
High Alarm 100.0
Over Alarm 15000.0
STEL Alarm 25.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 11/19/2025 13:24

****
Datalog

0 record.

```
============================================================
25/11/17 10:21
************************************************************
Summary
------------------------------------------------------------
Unit Name       MiniRAE 3000(PGM-7320)
Unit SN 592-915154
Unit Firmware Ver       V2.22A
------------------------------------------------------------
Running Mode    Hygiene Mode
Datalog Mode    Auto
Diagnostic Mode No
Stop Reason     Pause in Menu Mode
------------------------------------------------------------
Site ID 00000001
User ID 00000001
------------------------------------------------------------
Begin   11/17/2025 10:21:58
End     11/17/2025 10:22:55
Sample Period(s)        900
Number of Records       0
------------------------------------------------------------
Sensor  PID(ppm)
Sensor SN       S023030209B9
Measure Type    Min; Avg; Max; Real
Span    100.0
Span 2  1000.0
Low Alarm       50.0
High Alarm      100.0
Over Alarm      15000.0
STEL Alarm      25.0
TWA Alarm       10.0
Measurement Gas Isobutylene
Calibration Time        11/13/2025 13:42

************************************************************
Datalog

0 record.

============================================================
25/11/17 09:28
************************************************************
Summary
------------------------------------------------------------
Unit Name       MiniRAE 3000(PGM-7320)
Unit SN 592-915154
Unit Firmware Ver       V2.22A
------------------------------------------------------------
Running Mode    Hygiene Mode
```

Datalog Mode Auto
Diagnostic Mode No
Stop Reason Battery Low

Site ID 00000001
User ID 00000001

Begin 11/17/2025 09:28:07
End 11/17/2025 12:48:20
Sample Period(s) 900
Number of Records 13

Sensor PID(ppm)
Sensor SN S023030209B9
Measure Type Min; Avg; Max; Real
Span 100.0
Span 2 1000.0
Low Alarm 50.0
High Alarm 100.0
Over Alarm 15000.0
STEL Alarm 25.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 11/13/2025 13:42
Peak 0.0
Min 0.0
Average 0.0

****

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	PID(ppm)
001	11/17/2025 09:43:07	0.0	0.0	0.0	0.0	
002	11/17/2025 09:58:07	0.0	0.0	0.0	0.0	
003	11/17/2025 10:13:07	0.0	0.0	0.0	0.0	
004	11/17/2025 10:28:07	0.0	0.0	0.0	0.0	
005	11/17/2025 10:43:07	0.0	0.0	0.0	0.0	
006	11/17/2025 10:58:07	0.0	0.0	0.0	0.0	
007	11/17/2025 11:13:07	0.0	0.0	0.0	0.0	
008	11/17/2025 11:28:07	0.0	0.0	0.0	0.0	
009	11/17/2025 11:43:07	0.0	0.0	0.0	0.0	
010	11/17/2025 11:58:07	0.0	0.0	0.0	0.0	
011	11/17/2025 12:13:07	0.0	0.0	0.0	0.0	
012	11/17/2025 12:28:07	0.0	0.0	0.0	0.0	
013	11/17/2025 12:43:07	0.0	0.0	0.0	0.0	
Peak		0.0	0.0	0.0	0.0	
Min		0.0	0.0	0.0	0.0	
Average		0.0	0.0	0.0	0.0	

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	11/17/2025 09:43:07	0.0	0.0
002	11/17/2025 09:58:07	0.0	0.0
003	11/17/2025 10:13:07	0.0	0.0
004	11/17/2025 10:28:07	0.0	0.0
005	11/17/2025 10:43:07	0.0	0.0
006	11/17/2025 10:58:07	0.0	0.0
007	11/17/2025 11:13:07	0.0	0.0
008	11/17/2025 11:28:07	0.0	0.0
009	11/17/2025 11:43:07	0.0	0.0
010	11/17/2025 11:58:07	0.0	0.0
011	11/17/2025 12:13:07	0.0	0.0
012	11/17/2025 12:28:07	0.0	0.0
013	11/17/2025 12:43:07	0.0	0.0

==========

25/11/18 08:00

****

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-915154
Unit Firmware Ver	V2.22A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode

Site ID	00000001
User ID	00000001

Begin	11/18/2025 08:00:34
End	11/18/2025 08:00:42
Sample Period(s)	900
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030209B9
Measure Type	Min; Avg; Max; Real
Span	100.0
Span 2	1000.0
Low Alarm	50.0
High Alarm	100.0
Over Alarm	15000.0
STEL Alarm	25.0
TWA Alarm	10.0
Measurement Gas	Isobutylene
Calibration Time	11/13/2025 13:42

****
Datalog

0 record.

==========
25/11/18 08:05
****
Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-915154
Unit Firmware Ver V2.22A

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Battery Low

Site ID 00000001
User ID 00000001

Begin 11/18/2025 08:05:20
End 11/18/2025 13:02:00
Sample Period(s) 900
Number of Records 19

Sensor PID(ppm)
Sensor SN S023030209B9
Measure Type Min; Avg; Max; Real
Span 100.0
Span 2 1000.0
Low Alarm 50.0
High Alarm 100.0
Over Alarm 15000.0
STEL Alarm 25.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 11/13/2025 13:42
Peak 0.0
Min 0.0
Average 0.0

****
Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	PID(ppm)
001	11/18/2025 08:20:20	0.0	0.0	0.0	0.0	
002	11/18/2025 08:35:20	0.0	0.0	0.0	0.0	

003	11/18/2025 08:50:20	0.0	0.0	0.0	0.0
004	11/18/2025 09:05:20	0.0	0.0	0.0	0.0
005	11/18/2025 09:20:20	0.0	0.0	0.0	0.0
006	11/18/2025 09:35:20	0.0	0.0	0.0	0.0
007	11/18/2025 09:50:20	0.0	0.0	0.0	0.0
008	11/18/2025 10:05:20	0.0	0.0	0.0	0.0
009	11/18/2025 10:20:20	0.0	0.0	0.0	0.0
010	11/18/2025 10:35:20	0.0	0.0	0.0	0.0
011	11/18/2025 10:50:20	0.0	0.0	0.0	0.0
012	11/18/2025 11:05:20	0.0	0.0	0.0	0.0
013	11/18/2025 11:20:20	0.0	0.0	0.0	0.0
014	11/18/2025 11:35:20	0.0	0.0	0.0	0.0
015	11/18/2025 11:50:20	0.0	0.0	0.0	0.0
016	11/18/2025 12:05:20	0.0	0.0	0.0	0.0
017	11/18/2025 12:20:20	0.0	0.0	0.0	0.0
018	11/18/2025 12:35:20	0.0	0.0	0.0	0.0
019	11/18/2025 12:50:20	0.0	0.0	0.0	0.0
Peak		0.0	0.0	0.0	0.0
Min		0.0	0.0	0.0	0.0
Average		0.0	0.0	0.0	0.0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	11/18/2025 08:20:20	0.0	0.0
002	11/18/2025 08:35:20	0.0	0.0
003	11/18/2025 08:50:20	0.0	0.0
004	11/18/2025 09:05:20	0.0	0.0
005	11/18/2025 09:20:20	0.0	0.0
006	11/18/2025 09:35:20	0.0	0.0
007	11/18/2025 09:50:20	0.0	0.0
008	11/18/2025 10:05:20	0.0	0.0
009	11/18/2025 10:20:20	0.0	0.0
010	11/18/2025 10:35:20	0.0	0.0
011	11/18/2025 10:50:20	0.0	0.0
012	11/18/2025 11:05:20	0.0	0.0
013	11/18/2025 11:20:20	0.0	0.0
014	11/18/2025 11:35:20	0.0	0.0
015	11/18/2025 11:50:20	0.0	0.0
016	11/18/2025 12:05:20	0.0	0.0
017	11/18/2025 12:20:20	0.0	0.0
018	11/18/2025 12:35:20	0.0	0.0
019	11/18/2025 12:50:20	0.0	0.0

==========

25/11/18 13:38

****

Summary

Unit Name MiniRAE 3000(PGM-7320)

```
Unit SN 592-915154
Unit Firmware Ver       V2.22A
------------------------------------------------------------
Running Mode    Hygiene Mode
Datalog Mode    Auto
Diagnostic Mode No
Stop Reason     Power Down
------------------------------------------------------------
Site ID 00000001
User ID 00000001
------------------------------------------------------------
Begin   11/18/2025 13:38:26
End     11/18/2025 13:38:51
Sample Period(s)        900
Number of Records       0
------------------------------------------------------------
Sensor  PID(ppm)
Sensor SN       S023030209B9
Measure Type    Min; Avg; Max; Real
Span    100.0
Span 2  1000.0
Low Alarm       50.0
High Alarm      100.0
Over Alarm      15000.0
STEL Alarm      25.0
TWA Alarm       10.0
Measurement Gas Isobutylene
Calibration Time        11/13/2025 13:42

************************************************************
Datalog

0 record.

============================================================
25/11/19 15:09
************************************************************
Summary
------------------------------------------------------------
Unit Name       MiniRAE 3000(PGM-7320)
Unit SN 592-915154
Unit Firmware Ver       V2.22A
------------------------------------------------------------
Running Mode    Hygiene Mode
Datalog Mode    Auto
Diagnostic Mode No
Stop Reason     Power Down
------------------------------------------------------------
Site ID 00000001
User ID 00000001
```

```
------------------------------------------------------------
Begin   11/19/2025 15:09:34
End     11/19/2025 15:19:33
Sample Period(s)        900
Number of Records       0
------------------------------------------------------------
Sensor  PID(ppm)
Sensor SN       S023030209B9
Measure Type    Min; Avg; Max; Real
Span    100.0
Span 2  1000.0
Low Alarm       50.0
High Alarm      100.0
Over Alarm      15000.0
STEL Alarm      25.0
TWA Alarm       10.0
Measurement Gas Isobutylene
Calibration Time        11/13/2025 13:42

************************************************************
Datalog

0 record.
```

APPENDIX B
Soil Borings Log

MOVE YOUR ENVIRONMENT FORWARD

Project: Corning City Fire Department (Site #851050)		**Date:** 11/17			
		Observers: John Gorman/James Charter/Stephanie Pascual			
Job Number: DEC1056.P3		**Drilling Equipment:** Steel Hand Auger			
Boring ID	**Ash, Brick or Glass? (Y/N)**	**Description (grain size, color, compaction, staining, odor)**	**PID (PPM)**	**PDI Sample ID & Time**	**WC Sample ID & Time**
E-1	Yes, 1 small sized piece *of glass*	0-1 ft bg: SILT, trace sand(fine), *1* small sized piece of black glass, brown, no odor	0.0	E-1 (0-2 in) 1010 E-1 (2-12 in) 1030	E-1 1020
C-7	Yes, white glass 2"	0-1 ft bg: SILT, trace gravel, trace glass (2 pieces); brown, no odor	0.0	Not applicable	C-7 1100
C-1	No	0-*2* inches bg: SILT, some rock fragments, brown/grey, no odor *2*-12 inches: same as above	0.1	C-1 (0-2 in) 1123 C-1 (2-12 in) 1130	C-1 1120
B-1	*Yes,* trace slag identified	0-2 inches: SILT, trace organics, brown, no odor 2-12 inches: SILT, trace rock fragments, trace slag, black, no odor	0.0	B-1 (0-2 in) 1145 B-1 (2-12 in) 1150	B-1 1140
B-2	No	0-2 inches: SILT, trace rock fragments, brown, no odor 2-12 inches: same as above, some rock fragment	0.0	B-2 (0-2 in) 1235 DUP/MS/MSD B-2 (2-12 in) 1240 DUP/MS/MSD	B-2 1215
C-2	No	0-1 ft bg: SILT, some rock fragments, dry, brown, no odor	0.0	C-2 (0-2 in) 1310 C-2 (2-12 in) 1315	C-2 1305
B-3	Yes, *large* red glass	0-2 inches: SILT, some rock, brown-grey, no odor 2-12 inches: SILT, some glass (red/white), trace brick, *large* piece of black glass, no odor	0.0	Not applicable	B-3 1330
B-4	Yes, blue piece glass and lots of small pieces	0-2 inches: SILT, some rock, trace glass, brown, no odor 2-12 inches: SILT, some rock, trace of glass, multiple fragments of glass, brown, no odor	0.0	Not applicable	B-4 1350

MOVE YOUR ENVIRONMENT FORWARD

Project: Corning City Fire Department (Site #851050)	**Date:** 11/17
	Observers: John Gorman/James Charter/Stephanie Pascual
Job Number: DEC1056.P3	**Drilling Equipment:** Steel Hand Auger

Boring ID	Ash, Brick or Glass? (Y/N)	Description (grain size, color, compaction, staining, odor)	PID (PPM)	PDI Sample ID & Time	WC Sample ID & Time
C-3	No	0-2 inches: SILT, trace gravel; brown, no odor 2-12 inches: SILT, some rock fragments, trace wood, brown/grey, no odor	0.0	C-3 (0-2 in) 1400 C-3 (2-12 in) 1425	C-3 1410
C-4	Yes, trace small glass	0-2 inches: SILT; brown, no odor 2-12 inches: SILT; some rock fragments, trace glass, brown, no odor	0.0	Not applicable	C-4 1420
D-5	Yes, trace small glass	0-2 inches: SILT, brown, no odor 2-12 inches: SILT, trace glass fragments, some rock fragments brown, no odor	0.0	Not applicable	D-5 1445
D-4	Yes, trace small white glass	0-2 inches: SILT, trace gravel, grey/brown, no odor 2-12 inches: SILT, trace gravel, some rock fragments, trace glass, brown-grey, no odor	0.0	Not applicable	D-4 1500
D-3	No	0-1 feet below grade: SILT, some rock fragments, trace concrete; no odor, brown.	0.0	D-3 (0-2 in) 1520 D-3 (2-12 in) 1525	D-3 1515
E-2	No	0-2 inches: SILT, some rock fragments; brown, no odor 2-12 inches: GRAVEL (rounded), some Silt; , brown, no odor	0.0	E-2 (0-2 in) 1550 E-2 (2-12 in) 1555	E-2 1545
E-3	No	0-2 inches: SILT, some rock fragments, brown, no odor 2-12 inches: SILT, some rock fragments, brown, no odor	0.0	E-3 (0-2 in) 1615	E-3 1610

Project: Corning City Fire Department (Site #851050)	**Date:** 11/18
	Observers: John Gorman/Stephanie Pascual
Job Number: DEC1056.P3	**Drilling Equipment:** Steel Hand Auger

Boring ID	Ash, Brick or Glass? (Y/N)	Description (grain size, color, compaction, staining, odor)	PID (PPM)	PDI Sample ID & Time	WC Sample ID & Time
E-5	Yes, 3 small pieces of glass white	0-2 inches: SILT, brown, no odor 2-12 inches: SILT, some rock fragments, trace glass (3 pieces), brown, no odor	0.0	Not applicable	E-5 0840
E-6	Yes, 1 small green glass	0-1 feet per bag: SILT, trace gravel, trace glass, brown, no odor	0.0	Not applicable	E-6 0900
E-4	No	0-2 inches: SILT, brown, no odor 2-12 inches: GRAVEL, some silt; wet at 8 inches below grade, grey, no odor.	0.0	E-4 (0-2 in) 0950 E-4(2-12 in) 0955	E-4 0930
E-7	Yes, two small pieces of glass	0-1 feet below ground: SILT, dry, brown, no odor	0.0	Not applicable	E-7 1100
D-6	Yes, one brick piece, 1 glass piece	0-2 inches: SILT, some gravel; (rounded), dry, brown, no odor 2-12 inches: SILT, some gravel; (rounded), trace glass and brick, dry, brown, no odor	0.0	Not applicable	D-6 1140
C-6	Yes, several small glass pieces, 1 piece of possible slag/brick (large)	0-2 inches: SILT, dry, brown, no odor 2-12 inches: SILT, some gravel; trace glass, trace slag/brick; dry, brown, no odor	0.0	Not applicable	C-6 1210
B-5	Yes, 2 small pieces of glass	0-2 inches: SILT, trace gravel; dry, brown, no odor 2-12 inches: SILT and Gravel (sounded), trace glass; dry, brown, no odor	0.0	Not applicable	B-5 1305

APPENDIX C
PDI Photolog

Soil Sample Photo Log

City of Corning Fire Department – Site # 851050

2 Corning Boulevard, Corning, NY



Photo 1: CAMP monitoring for airborne contaminants during sampling



Photo 2: Hand boring sampling done in field to a depth of 1 foot



Photo 3: Representative photo of boring hole prepared for sampling



Photo 4: Representative photo of sampling done at soil boring C-6



Photo 5: Representative photo of supplies used daily for sampling



Photo 6: Representative photo of non-ABG sample; sample spread and searched for ABG



Photo 7: Representative photo soil boring without any presence of ABG



Photo 8: Representative photo of black piece of glass (ABG) found in soil boring E-1



Photo 9: Representative photo of white glass (ABG) found in soil boring C-7

APPENDIX D
Survey

CORNING BOULEVARD

Centerline Street

CRAUMER DRIVE

Centerline Street

MACADAM

CONC.

FIRE HOUSE BUILDING

FF = 938.6'

Flag Pole

Cross Walk
Light Post

Guy Anc.

CURB

MAT.

Block wall

Bridge Span
CONCRETE BRIDGE ABUTMENT

Meter Boards

BUILDING

SPEED BUMP

W/ UG Service

Guy Wire Only

Perpetual Easement Boundary

Centerline Foot Path

Subject to Perpetual Easement
See Corning Flood Protection Project
Section 2, Map 114, Parcel 153

Top of Dyke

CONCRETE BRIDGE ABUTMENT

BRIDGE LIMITS

Edge of water
12/1/25

CHEMUNG RIVER

Ditch

940
935
930
925
920
915

LEGEND

- U/G Gas line
- U/G Electric line
- U/G Fiber optic line
- U/G Sewer Line
- Utility Pole
- Light Pole
- Overhead wires
- Water valve
- Hydrant
- Sample Location
- Tree
- Monitoring Well
- Catch Basin
- Manhole
- Traffic Box
- Gas Regulator
- Guard Rail
- Traffic Sign

NOTES: 1. Map, as shown, based on field locations of visible evidence only. Grounds heavily snow covered.
2. Elevations, shown hereon, based NAVD 1988 datum.
3. Underground utilities shown on this survey per New York 811 Dig Safe mark out request. It is responsibility of the contractor to verify any and all utilities prior to construction.

MAP OF PART OF LANDS OF

CITY OF CORNING

LOCATED AT

2 CORNING BOULEVARD

CITY OF CORNING NEW YORK STEUBEN COUNTY

TWIN TIERS LAND SURVEYING

116 SOUTH MAIN STREET HORSEHEADS, NEW YORK

DATE	REVISED
DEC. 12, 2025	
DEED REF. L. 940, P. 625 L. 452, P. 525 L. 452, P. 535	TAX MAP REF. 268.05-02-001.000 P/O 268.05-01-068.000
JOB NO. 25904	SCALE 1" = 20'

APPENDIX E
Laboratory Analytical Reports

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

January 12, 2026

Thoren Giannuzzi
NYDEC_HRP Associates - Clifton Park, NY
1 Fairchild Square, Suite 110
Clifton Park, NY 12065

Project Location: 2 Corning Boulevard, Corning, NY
Client Job Number:
Project Number: 851050
Laboratory Work Order Number: 25K1208

Enclosed are results of analyses for samples as received by the laboratory on November 20, 2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Raymond J. McCarthy
Project Manager

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Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

NYDEC_HRP Associates - Clifton Park, NY
1 Fairchild Square, Suite 110
Clifton Park, NY 12065
ATTN: Thoren Giannuzzi

REPORT DATE: 1/12/2026

PURCHASE ORDER NUMBER: 153522

PROJECT NUMBER: 851050

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 25K1208

The results of analyses performed on the following samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, are found in this report.

PROJECT LOCATION: 2 Corning Boulevard, Corning, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
E-1	25K1208-01	Soil		-	NY10478; M-NY026; CT PH-435
				-	
				SM2520B	M-MA-086/CT PH-0826/NY11148
C-7	25K1208-02	Soil		-	
				SM 2540G	
				SW-846 1030	
				SW-846 1311	M-MA-086/CT PH-0826/NY11148
				SW-846 8082A	
				SW-846 8260D	
				SW-846 8270E	
				SW-846 9014	
				SW-846 9030	NY10478; M-NY026; CT PH-435
				SW-846 9045D	
				varies	M-MA-086/CT PH-0826/NY11148
C-1	25K1208-03	Soil		-	
				-	NY10478; M-NY026; CT PH-435
				SM2520B	M-MA-086/CT PH-0826/NY11148
B-1	25K1208-04	Soil		-	
				-	NY10478; M-NY026; CT PH-435
				SM2520B	M-MA-086/CT PH-0826/NY11148
B-2	25K1208-05	Soil		-	
				-	NY10478; M-NY026; CT PH-435
				SM2520B	M-MA-086/CT PH-0826/NY11148
C-2	25K1208-06	Soil		-	
				-	NY10478; M-NY026; CT PH-435
				SM2520B	M-MA-086/CT PH-0826/NY11148

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

NYDEC_HRP Associates - Clifton Park, NY
1 Fairchild Square, Suite 110
Clifton Park, NY 12065
ATTN: Thoren Giannuzzi

REPORT DATE: 1/12/2026

PURCHASE ORDER NUMBER: 153522

PROJECT NUMBER: 851050

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 25K1208

The results of analyses performed on the following samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, are found in this report.

PROJECT LOCATION: 2 Corning Boulevard, Corning, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-3	25K1208-07	Soil		SM 2540G	
				SW-846 1030	
				SW-846 1311	M-MA-086/CT PH-0826/NY11148
				SW-846 8082A	
				SW-846 8260D	
				SW-846 8270E	
				SW-846 9014	
				SW-846 9030	NY10478; M-NY026; CT PH-435
				SW-846 9045D	
				varies	M-MA-086/CT PH-0826/NY11148
B-4	25K1208-08	Soil		SM 2540G	
				SW-846 1030	
				SW-846 1311	M-MA-086/CT PH-0826/NY11148
				SW-846 8082A	
				SW-846 8260D	
				SW-846 8270E	
				SW-846 9014	
				SW-846 9030	NY10478; M-NY026; CT PH-435
				SW-846 9045D	
				varies	M-MA-086/CT PH-0826/NY11148
C-3	25K1208-09	Soil		-	
				-	NY10478; M-NY026; CT PH-435
				SM2520B	M-MA-086/CT PH-0826/NY11148
C-4	25K1208-10	Soil		SM 2540G	
				SW-846 1030	
				SW-846 1311	M-MA-086/CT PH-0826/NY11148
				SW-846 8082A	
				SW-846 8260D	
				SW-846 8270E	
				SW-846 9014	
				SW-846 9030	NY10478; M-NY026; CT PH-435
				SW-846 9045D	
				varies	M-MA-086/CT PH-0826/NY11148

Pace Analytical Services, LLC - East Longmeadow, Ma

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NYDEC_HRP Associates - Clifton Park, NY
1 Fairchild Square, Suite 110
Clifton Park, NY 12065
ATTN: Thoren Giannuzzi

REPORT DATE: 1/12/2026

PURCHASE ORDER NUMBER: 153522

PROJECT NUMBER: 851050

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 25K1208

The results of analyses performed on the following samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, are found in this report.

PROJECT LOCATION: 2 Corning Boulevard, Corning, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
D-5	25K1208-11	Soil		SM 2540G	
				SW-846 1030	
				SW-846 1311	M-MA-086/CT PH-0826/NY11148
				SW-846 8082A	
				SW-846 8260D	
				SW-846 8270E	
				SW-846 9014	
				SW-846 9030	NY10478; M-NY026; CT PH-435
				SW-846 9045D	
				varies	M-MA-086/CT PH-0826/NY11148
D-4	25K1208-12	Soil		SM 2540G	
				SW-846 1030	
				SW-846 1311	M-MA-086/CT PH-0826/NY11148
				SW-846 8082A	
				SW-846 8260D	
				SW-846 8270E	
				SW-846 9014	
				SW-846 9030	NY10478; M-NY026; CT PH-435
				SW-846 9045D	
				varies	M-MA-086/CT PH-0826/NY11148
E-5	25K1208-13	Soil		SM 2540G	
				SW-846 1030	
				SW-846 1311	M-MA-086/CT PH-0826/NY11148
				SW-846 8082A	
				SW-846 8260D	
				SW-846 8270E	
				SW-846 9014	
				SW-846 9030	NY10478; M-NY026; CT PH-435
				SW-846 9045D	
				varies	M-MA-086/CT PH-0826/NY11148

Pace Analytical Services, LLC - East Longmeadow, Ma

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NYDEC_HRP Associates - Clifton Park, NY
1 Fairchild Square, Suite 110
Clifton Park, NY 12065
ATTN: Thoren Giannuzzi

REPORT DATE: 1/12/2026

PURCHASE ORDER NUMBER: 153522

PROJECT NUMBER: 851050

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 25K1208

The results of analyses performed on the following samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, are found in this report.

PROJECT LOCATION: 2 Corning Boulevard, Corning, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
E-6	25K1208-14	Soil		SM 2540G	
				SW-846 1030	
				SW-846 1311	M-MA-086/CT PH-0826/NY11148
				SW-846 8082A	
				SW-846 8260D	
				SW-846 8270E	
				SW-846 9014	
				SW-846 9030	NY10478; M-NY026; CT PH-435
				SW-846 9045D	
				varies	M-MA-086/CT PH-0826/NY11148
E-4	25K1208-15	Soil		-	
				-	NY10478; M-NY026; CT PH-435
				SM2520B	M-MA-086/CT PH-0826/NY11148
E-7	25K1208-16	Soil		SM 2540G	
				SW-846 1030	
				SW-846 1311	M-MA-086/CT PH-0826/NY11148
				SW-846 8082A	
				SW-846 8260D	
				SW-846 8270E	
				SW-846 9014	
				SW-846 9030	NY10478; M-NY026; CT PH-435
				SW-846 9045D	
				varies	M-MA-086/CT PH-0826/NY11148
D-6	25K1208-17	Soil		SM 2540G	
				SW-846 1030	
				SW-846 1311	M-MA-086/CT PH-0826/NY11148
				SW-846 8082A	
				SW-846 8260D	
				SW-846 8270E	
				SW-846 9014	
				SW-846 9030	NY10478; M-NY026; CT PH-435
				SW-846 9045D	
				varies	M-MA-086/CT PH-0826/NY11148

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

NYDEC_HRP Associates - Clifton Park, NY
1 Fairchild Square, Suite 110
Clifton Park, NY 12065
ATTN: Thoren Giannuzzi

REPORT DATE: 1/12/2026

PURCHASE ORDER NUMBER: 153522

PROJECT NUMBER: 851050

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 25K1208

The results of analyses performed on the following samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, are found in this report.

PROJECT LOCATION: 2 Corning Boulevard, Corning, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
C-6	25K1208-18	Soil		SM 2540G	
				SW-846 1030	
				SW-846 1311	M-MA-086/CT PH-0826/NY11148
				SW-846 8082A	
				SW-846 8260D	
				SW-846 8270E	
				SW-846 9014	
				SW-846 9030	NY10478; M-NY026; CT PH-435
				SW-846 9045D	
				varies	M-MA-086/CT PH-0826/NY11148
B-5	25K1208-19	Soil		SM 2540G	
				SW-846 1030	
				SW-846 1311	M-MA-086/CT PH-0826/NY11148
				SW-846 8082A	
				SW-846 8260D	
				SW-846 8270E	
				SW-846 9014	
				SW-846 9030	NY10478; M-NY026; CT PH-435
				SW-846 9045D	
				varies	M-MA-086/CT PH-0826/NY11148
D-3	25K1208-20	Soil		-	
				-	NY10478; M-NY026; CT PH-435
				SM2520B	M-MA-086/CT PH-0826/NY11148

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For any Soil analysis, the Method Blank, LCS, and LCSD are reported on a 100% solids basis.

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

EPA 9034

Qualifications:

H3

Sample was received or analysis requested beyond the recognized method holding time.

Analyte & Samples(s) Qualified:

Sulfide

2307232, 25K1208-02[C-7], 25K1208-07[B-3], 25K1208-08[B-4], 25K1208-10[C-4], 25K1208- 11[D-5], 25K1208-12[D-4], 25K1208-13[E-5], 25K1208-14[E-6], 25K1208-16[E-7], 25K1208-17[D-6], 25K1208-18[C-6], 25K1208-19[B-5]

SM 2540G

Qualifications:

H-10

Analysis was requested after the recommended holding time had passed.

Analyte & Samples(s) Qualified:

% Solids

25K1208-02[C-7], 25K1208-07[B-3], 25K1208-08[B-4], 25K1208-10[C-4], 25K1208- 11[D-5], 25K1208-12[D-4], 25K1208-13[E-5], 25K1208-14[E-6], 25K1208-16[E-7], 25K1208-17[D-6], 25K1208-18[C-6], 25K1208-19[B-5]

SW-846 8082A

Qualifications:

O-32

A dilution was performed as part of the standard analytical procedure.

Analyte & Samples(s) Qualified:

25K1208-02[C-7], 25K1208-10[C-4], 25K1208-11[D-5], 25K1208-12[D-4], 25K1208-13[E-5], 25K1208-14[E-6], 25K1208-16[E-7], 25K1208-17[D-6], 25K1208-19[B-5]

SW-846 8260D

Qualifications:

B

Analyte is found in the associated laboratory blank as well as in the sample.

Analyte & Samples(s) Qualified:

2-Butanone (MEK)

25K1208-13[E-5], 25K1208-14[E-6], 25K1208-17[D-6], 25K1208-19[B-5], B418717-BLK1

Tetrachloroethylene

B418636-BS1, B418636-BSD1, B418636-MS1

B-05

Data is not affected by elevated level in laboratory blank since sample(s) result is "Not Detected".

Analyte & Samples(s) Qualified:

Tetrachloroethylene

B418636-BLK1

SW-846 8270E

Qualifications:

S-07

One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.

Analyte & Samples(s) Qualified:

2,4,6-Tribromophenol

25K1208-11[D-5], 25K1208-12[D-4], 25K1208-13[E-5], 25K1208-14[E-6], 25K1208-16[E-7], 25K1208-17[D-6], 25K1208-18[C-6], 25K1208-19[B-5], B418673-BLK1, B418673-BS1, B418673-BSD1

SW-846 9014

Qualifications:

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H-10

Analysis was requested after the recommended holding time had passed.

Analyte & Samples(s) Qualified:

Cyanide

25K1208-02[C-7], 25K1208-07[B-3], 25K1208-08[B-4], 25K1208-10[C-4], 25K1208- 11[D-5], 25K1208-12[D-4], 25K1208-13[E-5], 25K1208-14[E-6], 25K1208-16[E-7], 25K1208-17[D-6], 25K1208-18[C-6], 25K1208-19[B-5], B418754-MS1, B418754-MSD1, B418973-MS1, B418973-MSD1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Cyanide

B418526-BS1

SW-846 9045D

Qualifications:

H-05

Holding time was exceeded. pH analysis should be performed immediately at time of sampling. Nominal 15 minute holding time was exceeded.

Analyte & Samples(s) Qualified:

pH

25K1208-02[C-7], 25K1208-07[B-3], 25K1208-08[B-4], 25K1208-10[C-4], 25K1208- 11[D-5], 25K1208-12[D-4], 25K1208-13[E-5], 25K1208-14[E-6], 25K1208-16[E-7], 25K1208-17[D-6], 25K1208-18[C-6], 25K1208-19[B-5], B418514-DUP1

The results of analyses reported only relate to samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: C-7 Sampled: 11/17/2025 11:00

Sample ID: 25K1208-02

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	0.025	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 21:12	TG
Aroclor-1221 [1]	ND	0.093	0.043	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 21:12	TG
Aroclor-1232 [1]	ND	0.093	0.024	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 21:12	TG
Aroclor-1242 [1]	ND	0.093	0.026	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 21:12	TG
Aroclor-1248 [1]	ND	0.093	0.034	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 21:12	TG
Aroclor-1254 [1]	ND	0.093	0.041	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 21:12	TG
Aroclor-1260 [1]	ND	0.093	0.024	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 21:12	TG
Aroclor-1262 [1]	ND	0.093	0.032	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 21:12	TG
Aroclor-1268 [1]	ND	0.093	0.024	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 21:12	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	79.6	30-150		12/4/25 21:12
Decachlorobiphenyl [2]	82.2	30-150		12/4/25 21:12
Tetrachloro-m-xylene [1]	72.5	30-150		12/4/25 21:12
Tetrachloro-m-xylene [2]	75.4	30-150		12/4/25 21:12

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: C-7 Sampled: 11/17/2025 11:00

Sample ID: 25K1208-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.8			% Wt	1	H-10	SM 2540G	12/2/25	12/2/25 17:03	DMB
Cyanide	ND	0.54	0.52	mg/Kg dry	1	H-10	SW-846 9014	12/4/25	12/5/25 7:00	LL
Ignitability	Absent			present/absent	1		SW-846 1030	12/7/25	12/7/25 11:54	AGR
pH @17.8°C	7.9			pH Units	1	H-05	SW-846 9045D	12/3/25	12/3/25 0:15	ZEF

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: C-7 Sampled: 11/17/2025 11:00

Sample ID: 25K1208-02

Sample Matrix: Soil

TCLP - Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.010	0.0019	mg/L	1		SW-846 8260D	12/4/25	12/5/25 3:08	MFF
2-Butanone (MEK)	ND	0.20	0.015	mg/L	1		SW-846 8260D	12/4/25	12/5/25 3:08	MFF
Carbon Tetrachloride	ND	0.050	0.0018	mg/L	1		SW-846 8260D	12/4/25	12/5/25 3:08	MFF
Chlorobenzene	ND	0.010	0.0012	mg/L	1		SW-846 8260D	12/4/25	12/5/25 3:08	MFF
Chloroform	ND	0.020	0.0014	mg/L	1		SW-846 8260D	12/4/25	12/5/25 3:08	MFF
1,4-Dichlorobenzene	ND	0.010	0.0014	mg/L	1		SW-846 8260D	12/4/25	12/5/25 3:08	MFF
1,2-Dichloroethane	ND	0.010	0.0028	mg/L	1		SW-846 8260D	12/4/25	12/5/25 3:08	MFF
1,1-Dichloroethylene	ND	0.010	0.0015	mg/L	1		SW-846 8260D	12/4/25	12/5/25 3:08	MFF
Tetrachloroethylene	ND	0.010	0.0015	mg/L	1		SW-846 8260D	12/4/25	12/5/25 3:08	MFF
Trichloroethylene	ND	0.010	0.0016	mg/L	1		SW-846 8260D	12/4/25	12/5/25 3:08	MFF
Vinyl Chloride	ND	0.020	0.0022	mg/L	1		SW-846 8260D	12/4/25	12/5/25 3:08	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	90.0	70-130		12/5/25 3:08
Toluene-d8	98.8	70-130		12/5/25 3:08
4-Bromofluorobenzene	94.8	70-130		12/5/25 3:08

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: C-7 Sampled: 11/17/2025 11:00

Sample ID: 25K1208-02

Sample Matrix: Soil

TCLP - Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-Dinitrotoluene	ND	0.038	0.0021	mg/L	1		SW-846 8270E	12/3/25	12/4/25 18:04	CRD
Hexachlorobenzene	ND	0.038	0.0015	mg/L	1		SW-846 8270E	12/3/25	12/4/25 18:04	CRD
Hexachlorobutadiene	ND	0.038	0.0023	mg/L	1		SW-846 8270E	12/3/25	12/4/25 18:04	CRD
Hexachloroethane	ND	0.038	0.0023	mg/L	1		SW-846 8270E	12/3/25	12/4/25 18:04	CRD
2-Methylphenol	ND	0.038	0.0017	mg/L	1		SW-846 8270E	12/3/25	12/4/25 18:04	CRD
3/4-Methylphenol	ND	0.038	0.0022	mg/L	1		SW-846 8270E	12/3/25	12/4/25 18:04	CRD
Nitrobenzene	ND	0.038	0.0020	mg/L	1		SW-846 8270E	12/3/25	12/4/25 18:04	CRD
Pentachlorophenol	ND	0.038	0.0019	mg/L	1		SW-846 8270E	12/3/25	12/4/25 18:04	CRD
Pyridine	ND	0.019	0.0019	mg/L	1		SW-846 8270E	12/3/25	12/4/25 18:04	CRD
2,4,5-Trichlorophenol	ND	0.038	0.0017	mg/L	1		SW-846 8270E	12/3/25	12/4/25 18:04	CRD
2,4,6-Trichlorophenol	ND	0.038	0.0015	mg/L	1		SW-846 8270E	12/3/25	12/4/25 18:04	CRD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	69.3	15-110		12/4/25 18:04
Phenol-d6	65.4	15-110		12/4/25 18:04
Nitrobenzene-d5	77.3	30-130		12/4/25 18:04
2-Fluorobiphenyl	80.3	30-130		12/4/25 18:04
2,4,6-Tribromophenol	79.2	15-110		12/4/25 18:04
p-Terphenyl-d14	90.2	30-130		12/4/25 18:04

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: C-7 Sampled: 11/17/2025 11:00

Sample ID: 25K1208-02

Sample Matrix: Soil

TCLP Metals by EPA 1311 - Mansfield Lab

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic, TCLP	ND	1.00	0.0190	mg/l	1	U	6010D	11/29/25	11/30/25 13:20	ZPC
Mercury, TCLP	ND	0.0010	0.0005	mg/l	1	U	7470A	11/29/25	11/30/25 14:44	CME
Barium, TCLP	0.479	0.500	0.0210	mg/l	1	J	6010D	11/29/25	11/30/25 13:20	ZPC
Cadmium, TCLP	ND	0.100	0.0100	mg/l	1	U	6010D	11/29/25	11/30/25 13:20	ZPC
Chromium, TCLP	ND	0.200	0.0210	mg/l	1	U	6010D	11/29/25	11/30/25 13:20	ZPC
Lead, TCLP	ND	0.500	0.0270	mg/l	1	U	6010D	11/29/25	11/30/25 13:20	ZPC
Selenium, TCLP	ND	0.500	0.0350	mg/l	1	U	6010D	11/29/25	11/30/25 13:20	ZPC
Silver, TCLP	ND	0.100	0.0280	mg/l	1	U	6010D	11/29/25	11/30/25 13:20	ZPC

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: C-7 Sampled: 11/17/2025 11:00

Sample ID: 25K1208-02

Sample Matrix: Soil

9034 Sulfide Solid

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Sulfide	ND	56.5	4.7	mg/kg	1	U, H3	EPA 9034	12/4/25	12/4/25 8:46	NAA

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Date Received: 11/20/2025

Field Sample #: C-7 Sampled: 11/17/2025 11:00

Sample ID: 25K1208-02

Sample Matrix: Soil

Dry Weight/Percent Moisture

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Percent Moisture	16.0	0.10	%	1		ASTM D2216-05M	12/4/25	12/4/25 5:55	NAA

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: B-3 Sampled: 11/17/2025 13:30

Sample ID: 25K1208-07

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	0.025	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 21:30	TG
Aroclor-1221 [1]	ND	0.094	0.043	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 21:30	TG
Aroclor-1232 [1]	ND	0.094	0.024	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 21:30	TG
Aroclor-1242 [1]	ND	0.094	0.026	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 21:30	TG
Aroclor-1248 [1]	ND	0.094	0.035	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 21:30	TG
Aroclor-1254 [1]	ND	0.094	0.041	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 21:30	TG
Aroclor-1260 [1]	0.024	0.094	0.024	mg/Kg dry	4	J	SW-846 8082A	12/3/25	12/4/25 21:30	TG
Aroclor-1262 [1]	ND	0.094	0.032	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 21:30	TG
Aroclor-1268 [2]	ND	0.094	0.031	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 21:30	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.3	30-150		12/4/25 21:30
Decachlorobiphenyl [2]	85.6	30-150		12/4/25 21:30
Tetrachloro-m-xylene [1]	73.8	30-150		12/4/25 21:30
Tetrachloro-m-xylene [2]	76.3	30-150		12/4/25 21:30

Pace Analytical Services, LLC - East Longmeadow, Ma

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: B-3 Sampled: 11/17/2025 13:30

Sample ID: 25K1208-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.6			% Wt	1	H-10	SM 2540G	12/2/25	12/2/25 17:03	DMB
Cyanide	ND	0.57	0.55	mg/Kg dry	1	H-10	SW-846 9014	12/4/25	12/5/25 7:00	LL
Ignitability	Absent			present/absent	1		SW-846 1030	12/7/25	12/7/25 11:54	AGR
pH @17.3°C	8.2			pH Units	1	H-05	SW-846 9045D	12/3/25	12/3/25 0:15	ZEF

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: B-3 Sampled: 11/17/2025 13:30

Sample ID: 25K1208-07

Sample Matrix: Soil

TCLP - Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.010	0.0019	mg/L	1		SW-846 8260D	12/4/25	12/5/25 3:34	MFF
2-Butanone (MEK)	ND	0.20	0.015	mg/L	1		SW-846 8260D	12/4/25	12/5/25 3:34	MFF
Carbon Tetrachloride	ND	0.050	0.0018	mg/L	1		SW-846 8260D	12/4/25	12/5/25 3:34	MFF
Chlorobenzene	ND	0.010	0.0012	mg/L	1		SW-846 8260D	12/4/25	12/5/25 3:34	MFF
Chloroform	ND	0.020	0.0014	mg/L	1		SW-846 8260D	12/4/25	12/5/25 3:34	MFF
1,4-Dichlorobenzene	ND	0.010	0.0014	mg/L	1		SW-846 8260D	12/4/25	12/5/25 3:34	MFF
1,2-Dichloroethane	ND	0.010	0.0028	mg/L	1		SW-846 8260D	12/4/25	12/5/25 3:34	MFF
1,1-Dichloroethylene	ND	0.010	0.0015	mg/L	1		SW-846 8260D	12/4/25	12/5/25 3:34	MFF
Tetrachloroethylene	ND	0.010	0.0015	mg/L	1		SW-846 8260D	12/4/25	12/5/25 3:34	MFF
Trichloroethylene	ND	0.010	0.0016	mg/L	1		SW-846 8260D	12/4/25	12/5/25 3:34	MFF
Vinyl Chloride	ND	0.020	0.0022	mg/L	1		SW-846 8260D	12/4/25	12/5/25 3:34	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	94.8	70-130		12/5/25 3:34
Toluene-d8	98.4	70-130		12/5/25 3:34
4-Bromofluorobenzene	88.8	70-130		12/5/25 3:34

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: B-3 Sampled: 11/17/2025 13:30

Sample ID: 25K1208-07

Sample Matrix: Soil

TCLP - Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-Dinitrotoluene	ND	0.038	0.0021	mg/L	1		SW-846 8270E	12/3/25	12/4/25 18:28	CRD
Hexachlorobenzene	ND	0.038	0.0015	mg/L	1		SW-846 8270E	12/3/25	12/4/25 18:28	CRD
Hexachlorobutadiene	ND	0.038	0.0023	mg/L	1		SW-846 8270E	12/3/25	12/4/25 18:28	CRD
Hexachloroethane	ND	0.038	0.0023	mg/L	1		SW-846 8270E	12/3/25	12/4/25 18:28	CRD
2-Methylphenol	ND	0.038	0.0017	mg/L	1		SW-846 8270E	12/3/25	12/4/25 18:28	CRD
3/4-Methylphenol	ND	0.038	0.0022	mg/L	1		SW-846 8270E	12/3/25	12/4/25 18:28	CRD
Nitrobenzene	ND	0.038	0.0020	mg/L	1		SW-846 8270E	12/3/25	12/4/25 18:28	CRD
Pentachlorophenol	ND	0.038	0.0019	mg/L	1		SW-846 8270E	12/3/25	12/4/25 18:28	CRD
Pyridine	ND	0.019	0.0019	mg/L	1		SW-846 8270E	12/3/25	12/4/25 18:28	CRD
2,4,5-Trichlorophenol	ND	0.038	0.0017	mg/L	1		SW-846 8270E	12/3/25	12/4/25 18:28	CRD
2,4,6-Trichlorophenol	ND	0.038	0.0015	mg/L	1		SW-846 8270E	12/3/25	12/4/25 18:28	CRD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	65.3	15-110		12/4/25 18:28
Phenol-d6	60.7	15-110		12/4/25 18:28
Nitrobenzene-d5	80.8	30-130		12/4/25 18:28
2-Fluorobiphenyl	79.2	30-130		12/4/25 18:28
2,4,6-Tribromophenol	91.1	15-110		12/4/25 18:28
p-Terphenyl-d14	98.6	30-130		12/4/25 18:28

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: B-3 Sampled: 11/17/2025 13:30

Sample ID: 25K1208-07

Sample Matrix: Soil

TCLP Metals by EPA 1311 - Mansfield Lab

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic, TCLP	0.0508	1.00	0.0190	mg/l	1	J	6010D	11/29/25	11/30/25 13:35	ZPC
Mercury, TCLP	ND	0.0010	0.0005	mg/l	1	U	7470A	11/29/25	11/30/25 14:54	CME
Barium, TCLP	3.03	0.500	0.0210	mg/l	1		6010D	11/29/25	11/30/25 13:35	ZPC
Cadmium, TCLP	0.433	0.100	0.0100	mg/l	1		6010D	11/29/25	11/30/25 13:35	ZPC
Chromium, TCLP	ND	0.200	0.0210	mg/l	1	U	6010D	11/29/25	11/30/25 13:35	ZPC
Lead, TCLP	0.907	0.500	0.0270	mg/l	1		6010D	11/29/25	11/30/25 13:35	ZPC
Selenium, TCLP	ND	0.500	0.0350	mg/l	1	U	6010D	11/29/25	11/30/25 13:35	ZPC
Silver, TCLP	ND	0.100	0.0280	mg/l	1	U	6010D	11/29/25	11/30/25 13:35	ZPC

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: B-3 Sampled: 11/17/2025 13:30

Sample ID: 25K1208-07

Sample Matrix: Soil

9034 Sulfide Solid

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Sulfide	ND	55.5	4.6	mg/kg	1	U, H3	EPA 9034	12/4/25	12/4/25 8:50	NAA

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: B-3 Sampled: 11/17/2025 13:30

Sample ID: 25K1208-07

Sample Matrix: Soil

Dry Weight/Percent Moisture

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Percent Moisture	12.6	0.10	%	1		ASTM D2216-05M	12/4/25	12/4/25 5:57	NAA

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: B-4 Sampled: 11/17/2025 13:50

Sample ID: 25K1208-08

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	0.026	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 21:47	TG
Aroclor-1221 [1]	ND	0.099	0.045	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 21:47	TG
Aroclor-1232 [1]	ND	0.099	0.026	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 21:47	TG
Aroclor-1242 [1]	ND	0.099	0.027	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 21:47	TG
Aroclor-1248 [1]	ND	0.099	0.037	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 21:47	TG
Aroclor-1254 [2]	ND	0.099	0.048	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 21:47	TG
Aroclor-1260 [1]	0.034	0.099	0.025	mg/Kg dry	4	J	SW-846 8082A	12/3/25	12/4/25 21:47	TG
Aroclor-1262 [1]	ND	0.099	0.034	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 21:47	TG
Aroclor-1268 [2]	0.046	0.099	0.033	mg/Kg dry	4	J	SW-846 8082A	12/3/25	12/4/25 21:47	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.4	30-150		12/4/25 21:47
Decachlorobiphenyl [2]	81.2	30-150		12/4/25 21:47
Tetrachloro-m-xylene [1]	70.6	30-150		12/4/25 21:47
Tetrachloro-m-xylene [2]	73.1	30-150		12/4/25 21:47

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: B-4 Sampled: 11/17/2025 13:50

Sample ID: 25K1208-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.2			% Wt	1	H-10	SM 2540G	12/2/25	12/2/25 17:03	DMB
Cyanide	ND	0.58	0.55	mg/Kg dry	1	H-10	SW-846 9014	12/8/25	12/9/25 7:00	LL
Ignitability	Absent			present/absent	1		SW-846 1030	12/7/25	12/7/25 11:54	AGR
pH @17.5°C	7.4			pH Units	1	H-05	SW-846 9045D	12/3/25	12/3/25 0:15	ZEF

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: B-4 Sampled: 11/17/2025 13:50

Sample ID: 25K1208-08

Sample Matrix: Soil

TCLP - Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.010	0.0019	mg/L	1		SW-846 8260D	12/4/25	12/5/25 4:01	MFF
2-Butanone (MEK)	ND	0.20	0.015	mg/L	1		SW-846 8260D	12/4/25	12/5/25 4:01	MFF
Carbon Tetrachloride	ND	0.050	0.0018	mg/L	1		SW-846 8260D	12/4/25	12/5/25 4:01	MFF
Chlorobenzene	ND	0.010	0.0012	mg/L	1		SW-846 8260D	12/4/25	12/5/25 4:01	MFF
Chloroform	ND	0.020	0.0014	mg/L	1		SW-846 8260D	12/4/25	12/5/25 4:01	MFF
1,4-Dichlorobenzene	ND	0.010	0.0014	mg/L	1		SW-846 8260D	12/4/25	12/5/25 4:01	MFF
1,2-Dichloroethane	ND	0.010	0.0028	mg/L	1		SW-846 8260D	12/4/25	12/5/25 4:01	MFF
1,1-Dichloroethylene	ND	0.010	0.0015	mg/L	1		SW-846 8260D	12/4/25	12/5/25 4:01	MFF
Tetrachloroethylene	ND	0.010	0.0015	mg/L	1		SW-846 8260D	12/4/25	12/5/25 4:01	MFF
Trichloroethylene	ND	0.010	0.0016	mg/L	1		SW-846 8260D	12/4/25	12/5/25 4:01	MFF
Vinyl Chloride	ND	0.020	0.0022	mg/L	1		SW-846 8260D	12/4/25	12/5/25 4:01	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	92.2	70-130		12/5/25 4:01
Toluene-d8	98.4	70-130		12/5/25 4:01
4-Bromofluorobenzene	92.9	70-130		12/5/25 4:01

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: B-4 Sampled: 11/17/2025 13:50

Sample ID: 25K1208-08

Sample Matrix: Soil

TCLP - Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-Dinitrotoluene	ND	0.040	0.0022	mg/L	1		SW-846 8270E	12/3/25	12/4/25 18:52	CRD
Hexachlorobenzene	ND	0.040	0.0015	mg/L	1		SW-846 8270E	12/3/25	12/4/25 18:52	CRD
Hexachlorobutadiene	ND	0.040	0.0024	mg/L	1		SW-846 8270E	12/3/25	12/4/25 18:52	CRD
Hexachloroethane	ND	0.040	0.0024	mg/L	1		SW-846 8270E	12/3/25	12/4/25 18:52	CRD
2-Methylphenol	ND	0.040	0.0017	mg/L	1		SW-846 8270E	12/3/25	12/4/25 18:52	CRD
3/4-Methylphenol	ND	0.040	0.0022	mg/L	1		SW-846 8270E	12/3/25	12/4/25 18:52	CRD
Nitrobenzene	ND	0.040	0.0021	mg/L	1		SW-846 8270E	12/3/25	12/4/25 18:52	CRD
Pentachlorophenol	ND	0.040	0.0020	mg/L	1		SW-846 8270E	12/3/25	12/4/25 18:52	CRD
Pyridine	ND	0.020	0.0019	mg/L	1		SW-846 8270E	12/3/25	12/4/25 18:52	CRD
2,4,5-Trichlorophenol	ND	0.040	0.0018	mg/L	1		SW-846 8270E	12/3/25	12/4/25 18:52	CRD
2,4,6-Trichlorophenol	ND	0.040	0.0016	mg/L	1		SW-846 8270E	12/3/25	12/4/25 18:52	CRD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	63.8	15-110		12/4/25 18:52
Phenol-d6	67.4	15-110		12/4/25 18:52
Nitrobenzene-d5	80.8	30-130		12/4/25 18:52
2-Fluorobiphenyl	82.0	30-130		12/4/25 18:52
2,4,6-Tribromophenol	91.2	15-110		12/4/25 18:52
p-Terphenyl-d14	93.4	30-130		12/4/25 18:52

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: B-4 Sampled: 11/17/2025 13:50

Sample ID: 25K1208-08

Sample Matrix: Soil

TCLP Metals by EPA 1311 - Mansfield Lab

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic, TCLP	ND	1.00	0.0190	mg/l	1	U	6010D	11/29/25	11/30/25 13:42	ZPC
Mercury, TCLP	ND	0.0010	0.0005	mg/l	1	U	7470A	11/29/25	11/30/25 14:57	CME
Barium, TCLP	0.819	0.500	0.0210	mg/l	1		6010D	11/29/25	11/30/25 13:42	ZPC
Cadmium, TCLP	0.0162	0.100	0.0100	mg/l	1	J	6010D	11/29/25	11/30/25 13:42	ZPC
Chromium, TCLP	ND	0.200	0.0210	mg/l	1	U	6010D	11/29/25	11/30/25 13:42	ZPC
Lead, TCLP	0.0677	0.500	0.0270	mg/l	1	J	6010D	11/29/25	11/30/25 13:42	ZPC
Selenium, TCLP	ND	0.500	0.0350	mg/l	1	U	6010D	11/29/25	11/30/25 13:42	ZPC
Silver, TCLP	ND	0.100	0.0280	mg/l	1	U	6010D	11/29/25	11/30/25 13:42	ZPC

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: B-4 Sampled: 11/17/2025 13:50

Sample ID: 25K1208-08

Sample Matrix: Soil

9034 Sulfide Solid

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Sulfide	ND	61.2	5.1	mg/kg	1	U, H3	EPA 9034	12/4/25	12/4/25 8:55	NAA

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: B-4 Sampled: 11/17/2025 13:50

Sample ID: 25K1208-08

Sample Matrix: Soil

Dry Weight/Percent Moisture

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Percent Moisture	19.1	0.10	%	1		ASTM D2216-05M	12/4/25	12/4/25 5:58	NAA

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: C-4 Sampled: 11/17/2025 14:20

Sample ID: 25K1208-10

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	0.026	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 22:04	TG
Aroclor-1221 [1]	ND	0.097	0.045	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 22:04	TG
Aroclor-1232 [1]	ND	0.097	0.025	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 22:04	TG
Aroclor-1242 [1]	ND	0.097	0.027	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 22:04	TG
Aroclor-1248 [1]	ND	0.097	0.036	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 22:04	TG
Aroclor-1254 [1]	ND	0.097	0.042	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 22:04	TG
Aroclor-1260 [1]	ND	0.097	0.025	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 22:04	TG
Aroclor-1262 [1]	ND	0.097	0.033	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 22:04	TG
Aroclor-1268 [1]	ND	0.097	0.025	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 22:04	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.8	30-150		12/4/25 22:04
Decachlorobiphenyl [2]	92.0	30-150		12/4/25 22:04
Tetrachloro-m-xylene [1]	75.2	30-150		12/4/25 22:04
Tetrachloro-m-xylene [2]	78.0	30-150		12/4/25 22:04

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: C-4 Sampled: 11/17/2025 14:20

Sample ID: 25K1208-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.8			% Wt	1	H-10	SM 2540G	12/2/25	12/2/25 17:03	DMB
Cyanide	ND	0.56	0.54	mg/Kg dry	1	H-10	SW-846 9014	12/8/25	12/9/25 7:00	LL
Ignitability	Absent			present/absent	1		SW-846 1030	12/7/25	12/7/25 11:54	AGR
pH @17.4°C	6.8			pH Units	1	H-05	SW-846 9045D	12/3/25	12/3/25 0:15	ZEF

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: C-4 Sampled: 11/17/2025 14:20

Sample ID: 25K1208-10

Sample Matrix: Soil

TCLP - Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.010	0.0019	mg/L	1		SW-846 8260D	12/4/25	12/5/25 4:27	MFF
2-Butanone (MEK)	ND	0.20	0.015	mg/L	1		SW-846 8260D	12/4/25	12/5/25 4:27	MFF
Carbon Tetrachloride	ND	0.050	0.0018	mg/L	1		SW-846 8260D	12/4/25	12/5/25 4:27	MFF
Chlorobenzene	ND	0.010	0.0012	mg/L	1		SW-846 8260D	12/4/25	12/5/25 4:27	MFF
Chloroform	ND	0.020	0.0014	mg/L	1		SW-846 8260D	12/4/25	12/5/25 4:27	MFF
1,4-Dichlorobenzene	ND	0.010	0.0014	mg/L	1		SW-846 8260D	12/4/25	12/5/25 4:27	MFF
1,2-Dichloroethane	ND	0.010	0.0028	mg/L	1		SW-846 8260D	12/4/25	12/5/25 4:27	MFF
1,1-Dichloroethylene	ND	0.010	0.0015	mg/L	1		SW-846 8260D	12/4/25	12/5/25 4:27	MFF
Tetrachloroethylene	ND	0.010	0.0015	mg/L	1		SW-846 8260D	12/4/25	12/5/25 4:27	MFF
Trichloroethylene	ND	0.010	0.0016	mg/L	1		SW-846 8260D	12/4/25	12/5/25 4:27	MFF
Vinyl Chloride	ND	0.020	0.0022	mg/L	1		SW-846 8260D	12/4/25	12/5/25 4:27	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.1	70-130		12/5/25 4:27
Toluene-d8	100	70-130		12/5/25 4:27
4-Bromofluorobenzene	89.2	70-130		12/5/25 4:27

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: C-4 Sampled: 11/17/2025 14:20

Sample ID: 25K1208-10

Sample Matrix: Soil

TCLP - Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-Dinitrotoluene	ND	0.040	0.0022	mg/L	1		SW-846 8270E	12/3/25	12/4/25 19:16	CRD
Hexachlorobenzene	ND	0.040	0.0015	mg/L	1		SW-846 8270E	12/3/25	12/4/25 19:16	CRD
Hexachlorobutadiene	ND	0.040	0.0024	mg/L	1		SW-846 8270E	12/3/25	12/4/25 19:16	CRD
Hexachloroethane	ND	0.040	0.0024	mg/L	1		SW-846 8270E	12/3/25	12/4/25 19:16	CRD
2-Methylphenol	ND	0.040	0.0017	mg/L	1		SW-846 8270E	12/3/25	12/4/25 19:16	CRD
3/4-Methylphenol	ND	0.040	0.0022	mg/L	1		SW-846 8270E	12/3/25	12/4/25 19:16	CRD
Nitrobenzene	ND	0.040	0.0021	mg/L	1		SW-846 8270E	12/3/25	12/4/25 19:16	CRD
Pentachlorophenol	ND	0.040	0.0020	mg/L	1		SW-846 8270E	12/3/25	12/4/25 19:16	CRD
Pyridine	ND	0.020	0.0019	mg/L	1		SW-846 8270E	12/3/25	12/4/25 19:16	CRD
2,4,5-Trichlorophenol	ND	0.040	0.0018	mg/L	1		SW-846 8270E	12/3/25	12/4/25 19:16	CRD
2,4,6-Trichlorophenol	ND	0.040	0.0016	mg/L	1		SW-846 8270E	12/3/25	12/4/25 19:16	CRD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	68.6	15-110		12/4/25 19:16
Phenol-d6	64.7	15-110		12/4/25 19:16
Nitrobenzene-d5	81.7	30-130		12/4/25 19:16
2-Fluorobiphenyl	85.7	30-130		12/4/25 19:16
2,4,6-Tribromophenol	91.7	15-110		12/4/25 19:16
p-Terphenyl-d14	90.9	30-130		12/4/25 19:16

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: C-4 Sampled: 11/17/2025 14:20

Sample ID: 25K1208-10

Sample Matrix: Soil

TCLP Metals by EPA 1311 - Mansfield Lab

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic, TCLP	ND	1.00	0.0190	mg/l	1	U	6010D	11/29/25	11/30/25 13:45	ZPC
Mercury, TCLP	ND	0.0010	0.0005	mg/l	1	U	7470A	11/29/25	11/30/25 15:07	CME
Barium, TCLP	0.733	0.500	0.0210	mg/l	1		6010D	11/29/25	11/30/25 13:45	ZPC
Cadmium, TCLP	ND	0.100	0.0100	mg/l	1	U	6010D	11/29/25	11/30/25 13:45	ZPC
Chromium, TCLP	ND	0.200	0.0210	mg/l	1	U	6010D	11/29/25	11/30/25 13:45	ZPC
Lead, TCLP	ND	0.500	0.0270	mg/l	1	U	6010D	11/29/25	11/30/25 13:45	ZPC
Selenium, TCLP	ND	0.500	0.0350	mg/l	1	U	6010D	11/29/25	11/30/25 13:45	ZPC
Silver, TCLP	ND	0.100	0.0280	mg/l	1	U	6010D	11/29/25	11/30/25 13:45	ZPC

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: C-4 Sampled: 11/17/2025 14:20

Sample ID: 25K1208-10

Sample Matrix: Soil

9034 Sulfide Solid

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Sulfide	ND	56.7	4.7	mg/kg	1	U, H3	EPA 9034	12/4/25	12/4/25 8:59	NAA

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: C-4 Sampled: 11/17/2025 14:20

Sample ID: 25K1208-10

Sample Matrix: Soil

Dry Weight/Percent Moisture

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Percent Moisture	18.4	0.10	%	1		ASTM D2216-05M	12/4/25	12/4/25 6:00	NAA

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: D-5 Sampled: 11/17/2025 14:45

Sample ID: 25K1208-11

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	0.025	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 22:21	TG
Aroclor-1221 [1]	ND	0.095	0.044	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 22:21	TG
Aroclor-1232 [1]	ND	0.095	0.025	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 22:21	TG
Aroclor-1242 [1]	ND	0.095	0.026	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 22:21	TG
Aroclor-1248 [1]	ND	0.095	0.035	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 22:21	TG
Aroclor-1254 [1]	ND	0.095	0.041	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 22:21	TG
Aroclor-1260 [1]	ND	0.095	0.024	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 22:21	TG
Aroclor-1262 [1]	ND	0.095	0.032	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 22:21	TG
Aroclor-1268 [1]	ND	0.095	0.025	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 22:21	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.4	30-150		12/4/25 22:21
Decachlorobiphenyl [2]	90.5	30-150		12/4/25 22:21
Tetrachloro-m-xylene [1]	79.0	30-150		12/4/25 22:21
Tetrachloro-m-xylene [2]	82.0	30-150		12/4/25 22:21

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: D-5 Sampled: 11/17/2025 14:45

Sample ID: 25K1208-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.6			% Wt	1	H-10	SM 2540G	12/2/25	12/2/25 17:03	DMB
Cyanide	ND	0.59	0.56	mg/Kg dry	1	H-10	SW-846 9014	12/8/25	12/9/25 7:00	LL
Ignitability	Absent			present/absent	1		SW-846 1030	12/7/25	12/7/25 11:54	AGR
pH @17.6°C	7.5			pH Units	1	H-05	SW-846 9045D	12/3/25	12/3/25 0:15	ZEF

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: D-5 Sampled: 11/17/2025 14:45

Sample ID: 25K1208-11

Sample Matrix: Soil

TCLP - Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.010	0.0019	mg/L	1		SW-846 8260D	12/4/25	12/5/25 4:54	MFF
2-Butanone (MEK)	ND	0.20	0.015	mg/L	1		SW-846 8260D	12/4/25	12/5/25 4:54	MFF
Carbon Tetrachloride	ND	0.050	0.0018	mg/L	1		SW-846 8260D	12/4/25	12/5/25 4:54	MFF
Chlorobenzene	ND	0.010	0.0012	mg/L	1		SW-846 8260D	12/4/25	12/5/25 4:54	MFF
Chloroform	ND	0.020	0.0014	mg/L	1		SW-846 8260D	12/4/25	12/5/25 4:54	MFF
1,4-Dichlorobenzene	ND	0.010	0.0014	mg/L	1		SW-846 8260D	12/4/25	12/5/25 4:54	MFF
1,2-Dichloroethane	ND	0.010	0.0028	mg/L	1		SW-846 8260D	12/4/25	12/5/25 4:54	MFF
1,1-Dichloroethylene	ND	0.010	0.0015	mg/L	1		SW-846 8260D	12/4/25	12/5/25 4:54	MFF
Tetrachloroethylene	ND	0.010	0.0015	mg/L	1		SW-846 8260D	12/4/25	12/5/25 4:54	MFF
Trichloroethylene	ND	0.010	0.0016	mg/L	1		SW-846 8260D	12/4/25	12/5/25 4:54	MFF
Vinyl Chloride	ND	0.020	0.0022	mg/L	1		SW-846 8260D	12/4/25	12/5/25 4:54	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.9	70-130		12/5/25 4:54
Toluene-d8	100	70-130		12/5/25 4:54
4-Bromofluorobenzene	86.2	70-130		12/5/25 4:54

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: D-5 Sampled: 11/17/2025 14:45

Sample ID: 25K1208-11

Sample Matrix: Soil

TCLP - Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-Dinitrotoluene	ND	0.040	0.0022	mg/L	1		SW-846 8270E	12/4/25	12/5/25 15:32	BGL
Hexachlorobenzene	ND	0.040	0.0015	mg/L	1		SW-846 8270E	12/4/25	12/5/25 15:32	BGL
Hexachlorobutadiene	ND	0.040	0.0024	mg/L	1		SW-846 8270E	12/4/25	12/5/25 15:32	BGL
Hexachloroethane	ND	0.040	0.0024	mg/L	1		SW-846 8270E	12/4/25	12/5/25 15:32	BGL
2-Methylphenol	ND	0.040	0.0017	mg/L	1		SW-846 8270E	12/4/25	12/5/25 15:32	BGL
3/4-Methylphenol	ND	0.040	0.0022	mg/L	1		SW-846 8270E	12/4/25	12/5/25 15:32	BGL
Nitrobenzene	ND	0.040	0.0021	mg/L	1		SW-846 8270E	12/4/25	12/5/25 15:32	BGL
Pentachlorophenol	ND	0.040	0.0020	mg/L	1		SW-846 8270E	12/4/25	12/5/25 15:32	BGL
Pyridine	ND	0.020	0.0019	mg/L	1		SW-846 8270E	12/4/25	12/5/25 15:32	BGL
2,4,5-Trichlorophenol	ND	0.040	0.0018	mg/L	1		SW-846 8270E	12/4/25	12/5/25 15:32	BGL
2,4,6-Trichlorophenol	ND	0.040	0.0016	mg/L	1		SW-846 8270E	12/4/25	12/5/25 15:32	BGL

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
2-Fluorophenol	68.2		15-110		12/5/25 15:32
Phenol-d6	63.2		15-110		12/5/25 15:32
Nitrobenzene-d5	73.3		30-130		12/5/25 15:32
2-Fluorobiphenyl	73.4		30-130		12/5/25 15:32
2,4,6-Tribromophenol	**111**	*	15-110	S-07	12/5/25 15:32
p-Terphenyl-d14	86.6		30-130		12/5/25 15:32

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: D-5 Sampled: 11/17/2025 14:45

Sample ID: 25K1208-11

Sample Matrix: Soil

TCLP Metals by EPA 1311 - Mansfield Lab

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic, TCLP	ND	1.00	0.0190	mg/l	1	U	6010D	11/29/25	11/30/25 13:47	ZPC
Mercury, TCLP	ND	0.0010	0.0005	mg/l	1	U	7470A	11/29/25	11/30/25 15:10	CME
Barium, TCLP	0.348	0.500	0.0210	mg/l	1	J	6010D	11/29/25	11/30/25 13:47	ZPC
Cadmium, TCLP	ND	0.100	0.0100	mg/l	1	U	6010D	11/29/25	11/30/25 13:47	ZPC
Chromium, TCLP	ND	0.200	0.0210	mg/l	1	U	6010D	11/29/25	11/30/25 13:47	ZPC
Lead, TCLP	ND	0.500	0.0270	mg/l	1	U	6010D	11/29/25	11/30/25 13:47	ZPC
Selenium, TCLP	ND	0.500	0.0350	mg/l	1	U	6010D	11/29/25	11/30/25 13:47	ZPC
Silver, TCLP	ND	0.100	0.0280	mg/l	1	U	6010D	11/29/25	11/30/25 13:47	ZPC

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: D-5 Sampled: 11/17/2025 14:45

Sample ID: 25K1208-11

Sample Matrix: Soil

9034 Sulfide Solid

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Sulfide	ND	76.3	6.3	mg/kg	1	U, H3	EPA 9034	12/4/25	12/4/25 9:02	NAA

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: D-5 Sampled: 11/17/2025 14:45

Sample ID: 25K1208-11

Sample Matrix: Soil

Dry Weight/Percent Moisture

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Percent Moisture	35.2	0.10	%	1		ASTM D2216-05M	12/4/25	12/4/25 6:00	NAA

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: D-4 Sampled: 11/17/2025 15:00

Sample ID: 25K1208-12

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	0.024	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 22:38	TG
Aroclor-1221 [1]	ND	0.090	0.041	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 22:38	TG
Aroclor-1232 [1]	ND	0.090	0.023	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 22:38	TG
Aroclor-1242 [1]	ND	0.090	0.025	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 22:38	TG
Aroclor-1248 [1]	ND	0.090	0.033	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 22:38	TG
Aroclor-1254 [1]	ND	0.090	0.039	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 22:38	TG
Aroclor-1260 [1]	ND	0.090	0.023	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 22:38	TG
Aroclor-1262 [1]	ND	0.090	0.031	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 22:38	TG
Aroclor-1268 [1]	ND	0.090	0.023	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 22:38	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.8	30-150		12/4/25 22:38
Decachlorobiphenyl [2]	82.0	30-150		12/4/25 22:38
Tetrachloro-m-xylene [1]	71.8	30-150		12/4/25 22:38
Tetrachloro-m-xylene [2]	74.6	30-150		12/4/25 22:38

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: D-4 Sampled: 11/17/2025 15:00

Sample ID: 25K1208-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.6			% Wt	1	H-10	SM 2540G	12/2/25	12/2/25 17:03	DMB
Cyanide	ND	0.53	0.51	mg/Kg dry	1	H-10	SW-846 9014	12/8/25	12/9/25 7:00	LL
Ignitability	Absent			present/absent	1		SW-846 1030	12/7/25	12/7/25 11:54	AGR
pH @17.7°C	8.0			pH Units	1	H-05	SW-846 9045D	12/3/25	12/3/25 0:15	ZEF

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: D-4 Sampled: 11/17/2025 15:00

Sample ID: 25K1208-12

Sample Matrix: Soil

TCLP - Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.010	0.0019	mg/L	1		SW-846 8260D	12/5/25	12/6/25 5:08	LBD
2-Butanone (MEK)	ND	0.20	0.015	mg/L	1		SW-846 8260D	12/5/25	12/6/25 5:08	LBD
Carbon Tetrachloride	ND	0.050	0.0018	mg/L	1		SW-846 8260D	12/5/25	12/6/25 5:08	LBD
Chlorobenzene	ND	0.010	0.0012	mg/L	1		SW-846 8260D	12/5/25	12/6/25 5:08	LBD
Chloroform	ND	0.020	0.0014	mg/L	1		SW-846 8260D	12/5/25	12/6/25 5:08	LBD
1,4-Dichlorobenzene	ND	0.010	0.0014	mg/L	1		SW-846 8260D	12/5/25	12/6/25 5:08	LBD
1,2-Dichloroethane	ND	0.010	0.0028	mg/L	1		SW-846 8260D	12/5/25	12/6/25 5:08	LBD
1,1-Dichloroethylene	ND	0.010	0.0015	mg/L	1		SW-846 8260D	12/5/25	12/6/25 5:08	LBD
Tetrachloroethylene	ND	0.010	0.0015	mg/L	1		SW-846 8260D	12/5/25	12/6/25 5:08	LBD
Trichloroethylene	ND	0.010	0.0016	mg/L	1		SW-846 8260D	12/5/25	12/6/25 5:08	LBD
Vinyl Chloride	ND	0.020	0.0022	mg/L	1		SW-846 8260D	12/5/25	12/6/25 5:08	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	89.3	70-130		12/6/25 5:08
Toluene-d8	101	70-130		12/6/25 5:08
4-Bromofluorobenzene	112	70-130		12/6/25 5:08

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: D-4 Sampled: 11/17/2025 15:00

Sample ID: 25K1208-12

Sample Matrix: Soil

TCLP - Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-Dinitrotoluene	ND	0.040	0.0022	mg/L	1		SW-846 8270E	12/4/25	12/5/25 15:56	BGL
Hexachlorobenzene	ND	0.040	0.0015	mg/L	1		SW-846 8270E	12/4/25	12/5/25 15:56	BGL
Hexachlorobutadiene	ND	0.040	0.0024	mg/L	1		SW-846 8270E	12/4/25	12/5/25 15:56	BGL
Hexachloroethane	ND	0.040	0.0024	mg/L	1		SW-846 8270E	12/4/25	12/5/25 15:56	BGL
2-Methylphenol	ND	0.040	0.0017	mg/L	1		SW-846 8270E	12/4/25	12/5/25 15:56	BGL
3/4-Methylphenol	ND	0.040	0.0022	mg/L	1		SW-846 8270E	12/4/25	12/5/25 15:56	BGL
Nitrobenzene	ND	0.040	0.0021	mg/L	1		SW-846 8270E	12/4/25	12/5/25 15:56	BGL
Pentachlorophenol	ND	0.040	0.0020	mg/L	1		SW-846 8270E	12/4/25	12/5/25 15:56	BGL
Pyridine	ND	0.020	0.0019	mg/L	1		SW-846 8270E	12/4/25	12/5/25 15:56	BGL
2,4,5-Trichlorophenol	ND	0.040	0.0018	mg/L	1		SW-846 8270E	12/4/25	12/5/25 15:56	BGL
2,4,6-Trichlorophenol	ND	0.040	0.0016	mg/L	1		SW-846 8270E	12/4/25	12/5/25 15:56	BGL

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
2-Fluorophenol	71.0		15-110		12/5/25 15:56
Phenol-d6	66.2		15-110		12/5/25 15:56
Nitrobenzene-d5	76.2		30-130		12/5/25 15:56
2-Fluorobiphenyl	79.8		30-130		12/5/25 15:56
2,4,6-Tribromophenol	**118**	*	15-110	S-07	12/5/25 15:56
p-Terphenyl-d14	89.2		30-130		12/5/25 15:56

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: D-4 Sampled: 11/17/2025 15:00

Sample ID: 25K1208-12

Sample Matrix: Soil

TCLP Metals by EPA 1311 - Mansfield Lab

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic, TCLP	ND	1.00	0.0190	mg/l	1	U	6010D	11/29/25	11/30/25 13:49	ZPC
Mercury, TCLP	ND	0.0010	0.0005	mg/l	1	U	7470A	11/29/25	11/30/25 15:14	CME
Barium, TCLP	0.718	0.500	0.0210	mg/l	1		6010D	11/29/25	11/30/25 13:49	ZPC
Cadmium, TCLP	0.0159	0.100	0.0100	mg/l	1	J	6010D	11/29/25	11/30/25 13:49	ZPC
Chromium, TCLP	ND	0.200	0.0210	mg/l	1	U	6010D	11/29/25	11/30/25 13:49	ZPC
Lead, TCLP	0.0444	0.500	0.0270	mg/l	1	J	6010D	11/29/25	11/30/25 13:49	ZPC
Selenium, TCLP	ND	0.500	0.0350	mg/l	1	U	6010D	11/29/25	11/30/25 13:49	ZPC
Silver, TCLP	ND	0.100	0.0280	mg/l	1	U	6010D	11/29/25	11/30/25 13:49	ZPC

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: D-4 Sampled: 11/17/2025 15:00

Sample ID: 25K1208-12

Sample Matrix: Soil

9034 Sulfide Solid

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Sulfide	110	68.9	5.7	mg/kg	1	H3	EPA 9034	12/4/25	12/4/25 9:07	NAA

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: D-4 Sampled: 11/17/2025 15:00

Sample ID: 25K1208-12

Sample Matrix: Soil

Dry Weight/Percent Moisture

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Percent Moisture	32.5	0.10	%	1		ASTM D2216-05M	12/4/25	12/4/25 6:01	NAA

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: E-5 Sampled: 11/18/2025 08:40

Sample ID: 25K1208-13

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	0.024	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 22:55	TG
Aroclor-1221 [1]	ND	0.092	0.043	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 22:55	TG
Aroclor-1232 [1]	ND	0.092	0.024	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 22:55	TG
Aroclor-1242 [1]	ND	0.092	0.025	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 22:55	TG
Aroclor-1248 [1]	ND	0.092	0.034	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 22:55	TG
Aroclor-1254 [1]	ND	0.092	0.040	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 22:55	TG
Aroclor-1260 [1]	ND	0.092	0.024	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 22:55	TG
Aroclor-1262 [1]	ND	0.092	0.031	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 22:55	TG
Aroclor-1268 [1]	ND	0.092	0.024	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 22:55	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.5	30-150		12/4/25 22:55
Decachlorobiphenyl [2]	85.9	30-150		12/4/25 22:55
Tetrachloro-m-xylene [1]	77.5	30-150		12/4/25 22:55
Tetrachloro-m-xylene [2]	80.2	30-150		12/4/25 22:55

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: E-5 Sampled: 11/18/2025 08:40

Sample ID: 25K1208-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.4			% Wt	1	H-10	SM 2540G	12/2/25	12/2/25 17:03	DMB
Cyanide	ND	0.54	0.51	mg/Kg dry	1	H-10	SW-846 9014	12/8/25	12/9/25 7:00	LL
Ignitability	Absent			present/absent	1		SW-846 1030	12/7/25	12/7/25 11:54	AGR
pH @17.7°C	7.9			pH Units	1	H-05	SW-846 9045D	12/3/25	12/3/25 0:15	ZEF

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: E-5 Sampled: 11/18/2025 08:40

Sample ID: 25K1208-13

Sample Matrix: Soil

TCLP - Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.010	0.0019	mg/L	1		SW-846 8260D	12/5/25	12/6/25 5:34	LBD
2-Butanone (MEK)	0.030	0.20	0.015	mg/L	1	B, J	SW-846 8260D	12/5/25	12/6/25 5:34	LBD
Carbon Tetrachloride	ND	0.050	0.0018	mg/L	1		SW-846 8260D	12/5/25	12/6/25 5:34	LBD
Chlorobenzene	ND	0.010	0.0012	mg/L	1		SW-846 8260D	12/5/25	12/6/25 5:34	LBD
Chloroform	ND	0.020	0.0014	mg/L	1		SW-846 8260D	12/5/25	12/6/25 5:34	LBD
1,4-Dichlorobenzene	ND	0.010	0.0014	mg/L	1		SW-846 8260D	12/5/25	12/6/25 5:34	LBD
1,2-Dichloroethane	ND	0.010	0.0028	mg/L	1		SW-846 8260D	12/5/25	12/6/25 5:34	LBD
1,1-Dichloroethylene	ND	0.010	0.0015	mg/L	1		SW-846 8260D	12/5/25	12/6/25 5:34	LBD
Tetrachloroethylene	ND	0.010	0.0015	mg/L	1		SW-846 8260D	12/5/25	12/6/25 5:34	LBD
Trichloroethylene	ND	0.010	0.0016	mg/L	1		SW-846 8260D	12/5/25	12/6/25 5:34	LBD
Vinyl Chloride	ND	0.020	0.0022	mg/L	1		SW-846 8260D	12/5/25	12/6/25 5:34	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	88.5	70-130		12/6/25 5:34
Toluene-d8	102	70-130		12/6/25 5:34
4-Bromofluorobenzene	114	70-130		12/6/25 5:34

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: E-5 Sampled: 11/18/2025 08:40

Sample ID: 25K1208-13

Sample Matrix: Soil

TCLP - Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-Dinitrotoluene	ND	0.040	0.0022	mg/L	1		SW-846 8270E	12/4/25	12/5/25 16:20	BGL
Hexachlorobenzene	ND	0.040	0.0015	mg/L	1		SW-846 8270E	12/4/25	12/5/25 16:20	BGL
Hexachlorobutadiene	ND	0.040	0.0024	mg/L	1		SW-846 8270E	12/4/25	12/5/25 16:20	BGL
Hexachloroethane	ND	0.040	0.0024	mg/L	1		SW-846 8270E	12/4/25	12/5/25 16:20	BGL
2-Methylphenol	ND	0.040	0.0017	mg/L	1		SW-846 8270E	12/4/25	12/5/25 16:20	BGL
3/4-Methylphenol	ND	0.040	0.0022	mg/L	1		SW-846 8270E	12/4/25	12/5/25 16:20	BGL
Nitrobenzene	ND	0.040	0.0021	mg/L	1		SW-846 8270E	12/4/25	12/5/25 16:20	BGL
Pentachlorophenol	ND	0.040	0.0020	mg/L	1		SW-846 8270E	12/4/25	12/5/25 16:20	BGL
Pyridine	ND	0.020	0.0019	mg/L	1		SW-846 8270E	12/4/25	12/5/25 16:20	BGL
2,4,5-Trichlorophenol	ND	0.040	0.0018	mg/L	1		SW-846 8270E	12/4/25	12/5/25 16:20	BGL
2,4,6-Trichlorophenol	ND	0.040	0.0016	mg/L	1		SW-846 8270E	12/4/25	12/5/25 16:20	BGL

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
2-Fluorophenol	71.1		15-110		12/5/25 16:20
Phenol-d6	68.1		15-110		12/5/25 16:20
Nitrobenzene-d5	76.4		30-130		12/5/25 16:20
2-Fluorobiphenyl	80.9		30-130		12/5/25 16:20
2,4,6-Tribromophenol	**118**	*	15-110	S-07	12/5/25 16:20
p-Terphenyl-d14	89.4		30-130		12/5/25 16:20

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: E-5 Sampled: 11/18/2025 08:40

Sample ID: 25K1208-13

Sample Matrix: Soil

TCLP Metals by EPA 1311 - Mansfield Lab

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic, TCLP	ND	1.00	0.0190	mg/l	1	U	6010D	11/29/25	11/30/25 13:51	ZPC
Mercury, TCLP	ND	0.0010	0.0005	mg/l	1	U	7470A	11/29/25	11/30/25 15:17	CME
Barium, TCLP	0.678	0.500	0.0210	mg/l	1		6010D	11/29/25	11/30/25 13:51	ZPC
Cadmium, TCLP	ND	0.100	0.0100	mg/l	1	U	6010D	11/29/25	11/30/25 13:51	ZPC
Chromium, TCLP	ND	0.200	0.0210	mg/l	1	U	6010D	11/29/25	11/30/25 13:51	ZPC
Lead, TCLP	ND	0.500	0.0270	mg/l	1	U	6010D	11/29/25	11/30/25 13:51	ZPC
Selenium, TCLP	ND	0.500	0.0350	mg/l	1	U	6010D	11/29/25	11/30/25 13:51	ZPC
Silver, TCLP	ND	0.100	0.0280	mg/l	1	U	6010D	11/29/25	11/30/25 13:51	ZPC

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: E-5 Sampled: 11/18/2025 08:40

Sample ID: 25K1208-13

Sample Matrix: Soil

9034 Sulfide Solid

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Sulfide	178	55.7	4.6	mg/kg	1	H3	EPA 9034	12/4/25	12/4/25 9:10	NAA

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: E-5 Sampled: 11/18/2025 08:40

Sample ID: 25K1208-13

Sample Matrix: Soil

Dry Weight/Percent Moisture

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Percent Moisture	14.2	0.10	%	1		ASTM D2216-05M	12/5/25	12/5/25 5:44	NAA

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: E-6 Sampled: 11/18/2025 09:00

Sample ID: 25K1208-14

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	0.026	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 23:12	TG
Aroclor-1221 [1]	ND	0.097	0.045	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 23:12	TG
Aroclor-1232 [1]	ND	0.097	0.025	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 23:12	TG
Aroclor-1242 [1]	ND	0.097	0.027	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 23:12	TG
Aroclor-1248 [1]	ND	0.097	0.036	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 23:12	TG
Aroclor-1254 [1]	ND	0.097	0.042	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 23:12	TG
Aroclor-1260 [1]	ND	0.097	0.025	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 23:12	TG
Aroclor-1262 [1]	ND	0.097	0.033	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 23:12	TG
Aroclor-1268 [1]	ND	0.097	0.025	mg/Kg dry	4		SW-846 8082A	12/3/25	12/4/25 23:12	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.7	30-150		12/4/25 23:12
Decachlorobiphenyl [2]	82.8	30-150		12/4/25 23:12
Tetrachloro-m-xylene [1]	70.8	30-150		12/4/25 23:12
Tetrachloro-m-xylene [2]	73.7	30-150		12/4/25 23:12

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: E-6 Sampled: 11/18/2025 09:00

Sample ID: 25K1208-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.2			% Wt	1	H-10	SM 2540G	12/2/25	12/2/25 17:03	DMB
Cyanide	ND	0.54	0.52	mg/Kg dry	1	H-10	SW-846 9014	12/8/25	12/9/25 7:00	LL
Ignitability	Absent			present/absent	1		SW-846 1030	12/7/25	12/7/25 11:54	AGR
pH @17.4°C	6.5			pH Units	1	H-05	SW-846 9045D	12/3/25	12/3/25 0:15	ZEF

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: E-6 Sampled: 11/18/2025 09:00

Sample ID: 25K1208-14

Sample Matrix: Soil

TCLP - Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.010	0.0019	mg/L	1		SW-846 8260D	12/5/25	12/6/25 6:00	LBD
2-Butanone (MEK)	0.049	0.20	0.015	mg/L	1	B, J	SW-846 8260D	12/5/25	12/6/25 6:00	LBD
Carbon Tetrachloride	ND	0.050	0.0018	mg/L	1		SW-846 8260D	12/5/25	12/6/25 6:00	LBD
Chlorobenzene	ND	0.010	0.0012	mg/L	1		SW-846 8260D	12/5/25	12/6/25 6:00	LBD
Chloroform	ND	0.020	0.0014	mg/L	1		SW-846 8260D	12/5/25	12/6/25 6:00	LBD
1,4-Dichlorobenzene	ND	0.010	0.0014	mg/L	1		SW-846 8260D	12/5/25	12/6/25 6:00	LBD
1,2-Dichloroethane	ND	0.010	0.0028	mg/L	1		SW-846 8260D	12/5/25	12/6/25 6:00	LBD
1,1-Dichloroethylene	ND	0.010	0.0015	mg/L	1		SW-846 8260D	12/5/25	12/6/25 6:00	LBD
Tetrachloroethylene	ND	0.010	0.0015	mg/L	1		SW-846 8260D	12/5/25	12/6/25 6:00	LBD
Trichloroethylene	ND	0.010	0.0016	mg/L	1		SW-846 8260D	12/5/25	12/6/25 6:00	LBD
Vinyl Chloride	ND	0.020	0.0022	mg/L	1		SW-846 8260D	12/5/25	12/6/25 6:00	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	87.8	70-130		12/6/25 6:00
Toluene-d8	103	70-130		12/6/25 6:00
4-Bromofluorobenzene	114	70-130		12/6/25 6:00

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: E-6 Sampled: 11/18/2025 09:00

Sample ID: 25K1208-14

Sample Matrix: Soil

TCLP - Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-Dinitrotoluene	ND	0.038	0.0021	mg/L	1		SW-846 8270E	12/4/25	12/5/25 16:44	BGL
Hexachlorobenzene	ND	0.038	0.0015	mg/L	1		SW-846 8270E	12/4/25	12/5/25 16:44	BGL
Hexachlorobutadiene	ND	0.038	0.0023	mg/L	1		SW-846 8270E	12/4/25	12/5/25 16:44	BGL
Hexachloroethane	ND	0.038	0.0023	mg/L	1		SW-846 8270E	12/4/25	12/5/25 16:44	BGL
2-Methylphenol	ND	0.038	0.0017	mg/L	1		SW-846 8270E	12/4/25	12/5/25 16:44	BGL
3/4-Methylphenol	ND	0.038	0.0022	mg/L	1		SW-846 8270E	12/4/25	12/5/25 16:44	BGL
Nitrobenzene	ND	0.038	0.0020	mg/L	1		SW-846 8270E	12/4/25	12/5/25 16:44	BGL
Pentachlorophenol	ND	0.038	0.0019	mg/L	1		SW-846 8270E	12/4/25	12/5/25 16:44	BGL
Pyridine	ND	0.019	0.0019	mg/L	1		SW-846 8270E	12/4/25	12/5/25 16:44	BGL
2,4,5-Trichlorophenol	ND	0.038	0.0017	mg/L	1		SW-846 8270E	12/4/25	12/5/25 16:44	BGL
2,4,6-Trichlorophenol	ND	0.038	0.0015	mg/L	1		SW-846 8270E	12/4/25	12/5/25 16:44	BGL

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
2-Fluorophenol	71.8		15-110		12/5/25 16:44
Phenol-d6	67.8		15-110		12/5/25 16:44
Nitrobenzene-d5	75.5		30-130		12/5/25 16:44
2-Fluorobiphenyl	77.9		30-130		12/5/25 16:44
2,4,6-Tribromophenol	**120**	*	15-110	S-07	12/5/25 16:44
p-Terphenyl-d14	89.3		30-130		12/5/25 16:44

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: E-6 Sampled: 11/18/2025 09:00

Sample ID: 25K1208-14

Sample Matrix: Soil

TCLP Metals by EPA 1311 - Mansfield Lab

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic, TCLP	ND	1.00	0.0190	mg/l	1	U	6010D	11/29/25	11/30/25 13:53	ZPC
Mercury, TCLP	ND	0.0010	0.0005	mg/l	1	U	7470A	11/29/25	11/30/25 15:20	CME
Barium, TCLP	0.372	0.500	0.0210	mg/l	1	J	6010D	11/29/25	11/30/25 13:53	ZPC
Cadmium, TCLP	ND	0.100	0.0100	mg/l	1	U	6010D	11/29/25	11/30/25 13:53	ZPC
Chromium, TCLP	ND	0.200	0.0210	mg/l	1	U	6010D	11/29/25	11/30/25 13:53	ZPC
Lead, TCLP	ND	0.500	0.0270	mg/l	1	U	6010D	11/29/25	11/30/25 13:53	ZPC
Selenium, TCLP	ND	0.500	0.0350	mg/l	1	U	6010D	11/29/25	11/30/25 13:53	ZPC
Silver, TCLP	ND	0.100	0.0280	mg/l	1	U	6010D	11/29/25	11/30/25 13:53	ZPC

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: E-6 Sampled: 11/18/2025 09:00

Sample ID: 25K1208-14

Sample Matrix: Soil

9034 Sulfide Solid

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Sulfide	ND	60.7	5.1	mg/kg	1	U, H3	EPA 9034	12/4/25	12/4/25 9:15	NAA

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: E-6 Sampled: 11/18/2025 09:00

Sample ID: 25K1208-14

Sample Matrix: Soil

Dry Weight/Percent Moisture

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Percent Moisture	24.4	0.10	%	1		ASTM D2216-05M	12/5/25	12/5/25 5:44	NAA

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: E-7 Sampled: 11/18/2025 11:00

Sample ID: 25K1208-16

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	0.026	mg/Kg dry	4		SW-846 8082A	12/3/25	12/5/25 0:38	TG
Aroclor-1221 [1]	ND	0.098	0.045	mg/Kg dry	4		SW-846 8082A	12/3/25	12/5/25 0:38	TG
Aroclor-1232 [1]	ND	0.098	0.026	mg/Kg dry	4		SW-846 8082A	12/3/25	12/5/25 0:38	TG
Aroclor-1242 [1]	ND	0.098	0.027	mg/Kg dry	4		SW-846 8082A	12/3/25	12/5/25 0:38	TG
Aroclor-1248 [1]	ND	0.098	0.036	mg/Kg dry	4		SW-846 8082A	12/3/25	12/5/25 0:38	TG
Aroclor-1254 [1]	ND	0.098	0.043	mg/Kg dry	4		SW-846 8082A	12/3/25	12/5/25 0:38	TG
Aroclor-1260 [1]	ND	0.098	0.025	mg/Kg dry	4		SW-846 8082A	12/3/25	12/5/25 0:38	TG
Aroclor-1262 [1]	ND	0.098	0.033	mg/Kg dry	4		SW-846 8082A	12/3/25	12/5/25 0:38	TG
Aroclor-1268 [1]	ND	0.098	0.026	mg/Kg dry	4		SW-846 8082A	12/3/25	12/5/25 0:38	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.2	30-150		12/5/25 0:38
Decachlorobiphenyl [2]	88.1	30-150		12/5/25 0:38
Tetrachloro-m-xylene [1]	75.6	30-150		12/5/25 0:38
Tetrachloro-m-xylene [2]	78.9	30-150		12/5/25 0:38

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: E-7 Sampled: 11/18/2025 11:00

Sample ID: 25K1208-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.4			% Wt	1	H-10	SM 2540G	12/2/25	12/2/25 17:03	DMB
Cyanide	ND	0.59	0.56	mg/Kg dry	1	H-10	SW-846 9014	12/8/25	12/9/25 7:00	LL
Ignitability	Absent			present/absent	1		SW-846 1030	12/7/25	12/7/25 11:54	AGR
pH @17.5°C	7.0			pH Units	1	H-05	SW-846 9045D	12/3/25	12/3/25 0:15	ZEF

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: E-7 Sampled: 11/18/2025 11:00

Sample ID: 25K1208-16

Sample Matrix: Soil

TCLP - Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.010	0.0019	mg/L	1		SW-846 8260D	12/5/25	12/6/25 6:27	LBD
2-Butanone (MEK)	ND	0.20	0.015	mg/L	1		SW-846 8260D	12/5/25	12/6/25 6:27	LBD
Carbon Tetrachloride	ND	0.050	0.0018	mg/L	1		SW-846 8260D	12/5/25	12/6/25 6:27	LBD
Chlorobenzene	ND	0.010	0.0012	mg/L	1		SW-846 8260D	12/5/25	12/6/25 6:27	LBD
Chloroform	ND	0.020	0.0014	mg/L	1		SW-846 8260D	12/5/25	12/6/25 6:27	LBD
1,4-Dichlorobenzene	ND	0.010	0.0014	mg/L	1		SW-846 8260D	12/5/25	12/6/25 6:27	LBD
1,2-Dichloroethane	ND	0.010	0.0028	mg/L	1		SW-846 8260D	12/5/25	12/6/25 6:27	LBD
1,1-Dichloroethylene	ND	0.010	0.0015	mg/L	1		SW-846 8260D	12/5/25	12/6/25 6:27	LBD
Tetrachloroethylene	ND	0.010	0.0015	mg/L	1		SW-846 8260D	12/5/25	12/6/25 6:27	LBD
Trichloroethylene	ND	0.010	0.0016	mg/L	1		SW-846 8260D	12/5/25	12/6/25 6:27	LBD
Vinyl Chloride	ND	0.020	0.0022	mg/L	1		SW-846 8260D	12/5/25	12/6/25 6:27	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	89.2	70-130		12/6/25 6:27
Toluene-d8	102	70-130		12/6/25 6:27
4-Bromofluorobenzene	114	70-130		12/6/25 6:27

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: E-7 Sampled: 11/18/2025 11:00

Sample ID: 25K1208-16

Sample Matrix: Soil

TCLP - Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-Dinitrotoluene	ND	0.040	0.0022	mg/L	1		SW-846 8270E	12/4/25	12/5/25 17:08	BGL
Hexachlorobenzene	ND	0.040	0.0015	mg/L	1		SW-846 8270E	12/4/25	12/5/25 17:08	BGL
Hexachlorobutadiene	ND	0.040	0.0024	mg/L	1		SW-846 8270E	12/4/25	12/5/25 17:08	BGL
Hexachloroethane	ND	0.040	0.0024	mg/L	1		SW-846 8270E	12/4/25	12/5/25 17:08	BGL
2-Methylphenol	ND	0.040	0.0017	mg/L	1		SW-846 8270E	12/4/25	12/5/25 17:08	BGL
3/4-Methylphenol	ND	0.040	0.0022	mg/L	1		SW-846 8270E	12/4/25	12/5/25 17:08	BGL
Nitrobenzene	ND	0.040	0.0021	mg/L	1		SW-846 8270E	12/4/25	12/5/25 17:08	BGL
Pentachlorophenol	ND	0.040	0.0020	mg/L	1		SW-846 8270E	12/4/25	12/5/25 17:08	BGL
Pyridine	ND	0.020	0.0019	mg/L	1		SW-846 8270E	12/4/25	12/5/25 17:08	BGL
2,4,5-Trichlorophenol	ND	0.040	0.0018	mg/L	1		SW-846 8270E	12/4/25	12/5/25 17:08	BGL
2,4,6-Trichlorophenol	ND	0.040	0.0016	mg/L	1		SW-846 8270E	12/4/25	12/5/25 17:08	BGL

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
2-Fluorophenol	68.6		15-110		12/5/25 17:08
Phenol-d6	63.9		15-110		12/5/25 17:08
Nitrobenzene-d5	72.9		30-130		12/5/25 17:08
2-Fluorobiphenyl	74.9		30-130		12/5/25 17:08
2,4,6-Tribromophenol	**115**	*	15-110	S-07	12/5/25 17:08
p-Terphenyl-d14	88.7		30-130		12/5/25 17:08

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: E-7 Sampled: 11/18/2025 11:00

Sample ID: 25K1208-16

Sample Matrix: Soil

TCLP Metals by EPA 1311 - Mansfield Lab

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic, TCLP	ND	1.00	0.0190	mg/l	1	U	6010D	11/29/25	11/30/25 13:55	ZPC
Mercury, TCLP	ND	0.0010	0.0005	mg/l	1	U	7470A	11/29/25	11/30/25 15:24	CME
Barium, TCLP	0.617	0.500	0.0210	mg/l	1		6010D	11/29/25	11/30/25 13:55	ZPC
Cadmium, TCLP	ND	0.100	0.0100	mg/l	1	U	6010D	11/29/25	11/30/25 13:55	ZPC
Chromium, TCLP	ND	0.200	0.0210	mg/l	1	U	6010D	11/29/25	11/30/25 13:55	ZPC
Lead, TCLP	0.0351	0.500	0.0270	mg/l	1	J	6010D	11/29/25	11/30/25 13:55	ZPC
Selenium, TCLP	ND	0.500	0.0350	mg/l	1	U	6010D	11/29/25	11/30/25 13:55	ZPC
Silver, TCLP	ND	0.100	0.0280	mg/l	1	U	6010D	11/29/25	11/30/25 13:55	ZPC

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: E-7 Sampled: 11/18/2025 11:00

Sample ID: 25K1208-16

Sample Matrix: Soil

9034 Sulfide Solid

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Sulfide	95.7	59.8	5.0	mg/kg	1	H3	EPA 9034	12/4/25	12/4/25 9:24	NAA

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: E-7 Sampled: 11/18/2025 11:00

Sample ID: 25K1208-16

Sample Matrix: Soil

Dry Weight/Percent Moisture

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Percent Moisture	20.2	0.10	%	1		ASTM D2216-05M	12/5/25	12/5/25 5:46	NAA

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: D-6 Sampled: 11/18/2025 11:40

Sample ID: 25K1208-17

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	0.026	mg/Kg dry	4		SW-846 8082A	12/3/25	12/5/25 0:55	TG
Aroclor-1221 [1]	ND	0.098	0.045	mg/Kg dry	4		SW-846 8082A	12/3/25	12/5/25 0:55	TG
Aroclor-1232 [1]	ND	0.098	0.026	mg/Kg dry	4		SW-846 8082A	12/3/25	12/5/25 0:55	TG
Aroclor-1242 [1]	ND	0.098	0.027	mg/Kg dry	4		SW-846 8082A	12/3/25	12/5/25 0:55	TG
Aroclor-1248 [1]	ND	0.098	0.036	mg/Kg dry	4		SW-846 8082A	12/3/25	12/5/25 0:55	TG
Aroclor-1254 [1]	ND	0.098	0.043	mg/Kg dry	4		SW-846 8082A	12/3/25	12/5/25 0:55	TG
Aroclor-1260 [1]	ND	0.098	0.025	mg/Kg dry	4		SW-846 8082A	12/3/25	12/5/25 0:55	TG
Aroclor-1262 [1]	ND	0.098	0.033	mg/Kg dry	4		SW-846 8082A	12/3/25	12/5/25 0:55	TG
Aroclor-1268 [1]	ND	0.098	0.026	mg/Kg dry	4		SW-846 8082A	12/3/25	12/5/25 0:55	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.0	30-150		12/5/25 0:55
Decachlorobiphenyl [2]	91.7	30-150		12/5/25 0:55
Tetrachloro-m-xylene [1]	80.5	30-150		12/5/25 0:55
Tetrachloro-m-xylene [2]	84.2	30-150		12/5/25 0:55

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: D-6 Sampled: 11/18/2025 11:40

Sample ID: 25K1208-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.0			% Wt	1	H-10	SM 2540G	12/2/25	12/2/25 17:03	DMB
Cyanide	ND	0.61	0.58	mg/Kg dry	1	H-10	SW-846 9014	12/8/25	12/9/25 7:00	LL
Ignitability	Absent			present/absent	1		SW-846 1030	12/7/25	12/7/25 14:32	AGR
pH @17.4°C	6.6			pH Units	1	H-05	SW-846 9045D	12/3/25	12/3/25 0:15	ZEF

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: D-6 Sampled: 11/18/2025 11:40

Sample ID: 25K1208-17

Sample Matrix: Soil

TCLP - Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.010	0.0019	mg/L	1		SW-846 8260D	12/5/25	12/6/25 6:53	LBD
2-Butanone (MEK)	0.053	0.20	0.015	mg/L	1	B, J	SW-846 8260D	12/5/25	12/6/25 6:53	LBD
Carbon Tetrachloride	ND	0.050	0.0018	mg/L	1		SW-846 8260D	12/5/25	12/6/25 6:53	LBD
Chlorobenzene	ND	0.010	0.0012	mg/L	1		SW-846 8260D	12/5/25	12/6/25 6:53	LBD
Chloroform	ND	0.020	0.0014	mg/L	1		SW-846 8260D	12/5/25	12/6/25 6:53	LBD
1,4-Dichlorobenzene	ND	0.010	0.0014	mg/L	1		SW-846 8260D	12/5/25	12/6/25 6:53	LBD
1,2-Dichloroethane	ND	0.010	0.0028	mg/L	1		SW-846 8260D	12/5/25	12/6/25 6:53	LBD
1,1-Dichloroethylene	ND	0.010	0.0015	mg/L	1		SW-846 8260D	12/5/25	12/6/25 6:53	LBD
Tetrachloroethylene	ND	0.010	0.0015	mg/L	1		SW-846 8260D	12/5/25	12/6/25 6:53	LBD
Trichloroethylene	ND	0.010	0.0016	mg/L	1		SW-846 8260D	12/5/25	12/6/25 6:53	LBD
Vinyl Chloride	ND	0.020	0.0022	mg/L	1		SW-846 8260D	12/5/25	12/6/25 6:53	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	87.2	70-130		12/6/25 6:53
Toluene-d8	100	70-130		12/6/25 6:53
4-Bromofluorobenzene	113	70-130		12/6/25 6:53

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: D-6 Sampled: 11/18/2025 11:40

Sample ID: 25K1208-17

Sample Matrix: Soil

TCLP - Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-Dinitrotoluene	ND	0.040	0.0022	mg/L	1		SW-846 8270E	12/4/25	12/5/25 17:32	BGL
Hexachlorobenzene	ND	0.040	0.0015	mg/L	1		SW-846 8270E	12/4/25	12/5/25 17:32	BGL
Hexachlorobutadiene	ND	0.040	0.0024	mg/L	1		SW-846 8270E	12/4/25	12/5/25 17:32	BGL
Hexachloroethane	ND	0.040	0.0024	mg/L	1		SW-846 8270E	12/4/25	12/5/25 17:32	BGL
2-Methylphenol	ND	0.040	0.0017	mg/L	1		SW-846 8270E	12/4/25	12/5/25 17:32	BGL
3/4-Methylphenol	ND	0.040	0.0022	mg/L	1		SW-846 8270E	12/4/25	12/5/25 17:32	BGL
Nitrobenzene	ND	0.040	0.0021	mg/L	1		SW-846 8270E	12/4/25	12/5/25 17:32	BGL
Pentachlorophenol	ND	0.040	0.0020	mg/L	1		SW-846 8270E	12/4/25	12/5/25 17:32	BGL
Pyridine	ND	0.020	0.0019	mg/L	1		SW-846 8270E	12/4/25	12/5/25 17:32	BGL
2,4,5-Trichlorophenol	ND	0.040	0.0018	mg/L	1		SW-846 8270E	12/4/25	12/5/25 17:32	BGL
2,4,6-Trichlorophenol	ND	0.040	0.0016	mg/L	1		SW-846 8270E	12/4/25	12/5/25 17:32	BGL

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
2-Fluorophenol	70.8		15-110		12/5/25 17:32
Phenol-d6	65.7		15-110		12/5/25 17:32
Nitrobenzene-d5	75.1		30-130		12/5/25 17:32
2-Fluorobiphenyl	78.6		30-130		12/5/25 17:32
2,4,6-Tribromophenol	**114**	*	15-110	S-07	12/5/25 17:32
p-Terphenyl-d14	86.6		30-130		12/5/25 17:32

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: D-6 Sampled: 11/18/2025 11:40

Sample ID: 25K1208-17

Sample Matrix: Soil

TCLP Metals by EPA 1311 - Mansfield Lab

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic, TCLP	ND	1.00	0.0190	mg/l	1	U	6010D	11/29/25	11/30/25 13:57	ZPC
Mercury, TCLP	ND	0.0010	0.0005	mg/l	1	U	7470A	11/29/25	11/30/25 15:27	CME
Barium, TCLP	0.546	0.500	0.0210	mg/l	1		6010D	11/29/25	11/30/25 13:57	ZPC
Cadmium, TCLP	ND	0.100	0.0100	mg/l	1	U	6010D	11/29/25	11/30/25 13:57	ZPC
Chromium, TCLP	ND	0.200	0.0210	mg/l	1	U	6010D	11/29/25	11/30/25 13:57	ZPC
Lead, TCLP	ND	0.500	0.0270	mg/l	1	U	6010D	11/29/25	11/30/25 13:57	ZPC
Selenium, TCLP	ND	0.500	0.0350	mg/l	1	U	6010D	11/29/25	11/30/25 13:57	ZPC
Silver, TCLP	ND	0.100	0.0280	mg/l	1	U	6010D	11/29/25	11/30/25 13:57	ZPC

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: D-6 Sampled: 11/18/2025 11:40

Sample ID: 25K1208-17

Sample Matrix: Soil

9034 Sulfide Solid

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Sulfide	ND	59.1	4.9	mg/kg	1	U, H3	EPA 9034	12/4/25	12/4/25 9:29	NAA

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: D-6 Sampled: 11/18/2025 11:40

Sample ID: 25K1208-17

Sample Matrix: Soil

Dry Weight/Percent Moisture

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Percent Moisture	20.8	0.10	%	1		ASTM D2216-05M	12/5/25	12/5/25 5:46	NAA

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: C-6 Sampled: 11/18/2025 12:10

Sample ID: 25K1208-18

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	0.025	mg/Kg dry	4		SW-846 8082A	12/3/25	12/5/25 1:12	TG
Aroclor-1221 [1]	ND	0.093	0.043	mg/Kg dry	4		SW-846 8082A	12/3/25	12/5/25 1:12	TG
Aroclor-1232 [1]	ND	0.093	0.024	mg/Kg dry	4		SW-846 8082A	12/3/25	12/5/25 1:12	TG
Aroclor-1242 [1]	ND	0.093	0.026	mg/Kg dry	4		SW-846 8082A	12/3/25	12/5/25 1:12	TG
Aroclor-1248 [1]	ND	0.093	0.034	mg/Kg dry	4		SW-846 8082A	12/3/25	12/5/25 1:12	TG
Aroclor-1254 [1]	ND	0.093	0.041	mg/Kg dry	4		SW-846 8082A	12/3/25	12/5/25 1:12	TG
Aroclor-1260 [1]	ND	0.093	0.024	mg/Kg dry	4		SW-846 8082A	12/3/25	12/5/25 1:12	TG
Aroclor-1262 [1]	ND	0.093	0.032	mg/Kg dry	4		SW-846 8082A	12/3/25	12/5/25 1:12	TG
Aroclor-1268 [1]	0.034	0.093	0.024	mg/Kg dry	4	J	SW-846 8082A	12/3/25	12/5/25 1:12	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.0	30-150		12/5/25 1:12
Decachlorobiphenyl [2]	87.7	30-150		12/5/25 1:12
Tetrachloro-m-xylene [1]	77.1	30-150		12/5/25 1:12
Tetrachloro-m-xylene [2]	80.2	30-150		12/5/25 1:12

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: C-6 Sampled: 11/18/2025 12:10

Sample ID: 25K1208-18

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.4			% Wt	1	H-10	SM 2540G	12/2/25	12/2/25 17:03	DMB
Cyanide	0.48	0.49	0.47	mg/Kg dry	1	H-10, J	SW-846 9014	12/11/25	12/12/25 5:55	LL
Ignitability	Absent			present/absent	1		SW-846 1030	12/7/25	12/7/25 14:32	AGR
pH @17.5°C	7.6			pH Units	1	H-05	SW-846 9045D	12/3/25	12/3/25 0:15	ZEF

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: C-6 Sampled: 11/18/2025 12:10

Sample ID: 25K1208-18

Sample Matrix: Soil

TCLP - Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.010	0.0019	mg/L	1		SW-846 8260D	12/5/25	12/6/25 7:19	LBD
2-Butanone (MEK)	ND	0.20	0.015	mg/L	1		SW-846 8260D	12/5/25	12/6/25 7:19	LBD
Carbon Tetrachloride	ND	0.050	0.0018	mg/L	1		SW-846 8260D	12/5/25	12/6/25 7:19	LBD
Chlorobenzene	ND	0.010	0.0012	mg/L	1		SW-846 8260D	12/5/25	12/6/25 7:19	LBD
Chloroform	ND	0.020	0.0014	mg/L	1		SW-846 8260D	12/5/25	12/6/25 7:19	LBD
1,4-Dichlorobenzene	ND	0.010	0.0014	mg/L	1		SW-846 8260D	12/5/25	12/6/25 7:19	LBD
1,2-Dichloroethane	ND	0.010	0.0028	mg/L	1		SW-846 8260D	12/5/25	12/6/25 7:19	LBD
1,1-Dichloroethylene	ND	0.010	0.0015	mg/L	1		SW-846 8260D	12/5/25	12/6/25 7:19	LBD
Tetrachloroethylene	ND	0.010	0.0015	mg/L	1		SW-846 8260D	12/5/25	12/6/25 7:19	LBD
Trichloroethylene	ND	0.010	0.0016	mg/L	1		SW-846 8260D	12/5/25	12/6/25 7:19	LBD
Vinyl Chloride	ND	0.020	0.0022	mg/L	1		SW-846 8260D	12/5/25	12/6/25 7:19	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	87.8	70-130		12/6/25 7:19
Toluene-d8	102	70-130		12/6/25 7:19
4-Bromofluorobenzene	113	70-130		12/6/25 7:19

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: C-6 Sampled: 11/18/2025 12:10

Sample ID: 25K1208-18

Sample Matrix: Soil

TCLP - Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-Dinitrotoluene	ND	0.040	0.0022	mg/L	1		SW-846 8270E	12/4/25	12/5/25 17:56	BGL
Hexachlorobenzene	ND	0.040	0.0015	mg/L	1		SW-846 8270E	12/4/25	12/5/25 17:56	BGL
Hexachlorobutadiene	ND	0.040	0.0024	mg/L	1		SW-846 8270E	12/4/25	12/5/25 17:56	BGL
Hexachloroethane	ND	0.040	0.0024	mg/L	1		SW-846 8270E	12/4/25	12/5/25 17:56	BGL
2-Methylphenol	ND	0.040	0.0017	mg/L	1		SW-846 8270E	12/4/25	12/5/25 17:56	BGL
3/4-Methylphenol	ND	0.040	0.0022	mg/L	1		SW-846 8270E	12/4/25	12/5/25 17:56	BGL
Nitrobenzene	ND	0.040	0.0021	mg/L	1		SW-846 8270E	12/4/25	12/5/25 17:56	BGL
Pentachlorophenol	ND	0.040	0.0020	mg/L	1		SW-846 8270E	12/4/25	12/5/25 17:56	BGL
Pyridine	ND	0.020	0.0019	mg/L	1		SW-846 8270E	12/4/25	12/5/25 17:56	BGL
2,4,5-Trichlorophenol	ND	0.040	0.0018	mg/L	1		SW-846 8270E	12/4/25	12/5/25 17:56	BGL
2,4,6-Trichlorophenol	ND	0.040	0.0016	mg/L	1		SW-846 8270E	12/4/25	12/5/25 17:56	BGL

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
2-Fluorophenol	73.8		15-110		12/5/25 17:56
Phenol-d6	70.9		15-110		12/5/25 17:56
Nitrobenzene-d5	77.8		30-130		12/5/25 17:56
2-Fluorobiphenyl	80.2		30-130		12/5/25 17:56
2,4,6-Tribromophenol	**121**	*	15-110	S-07	12/5/25 17:56
p-Terphenyl-d14	90.6		30-130		12/5/25 17:56

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: C-6 Sampled: 11/18/2025 12:10

Sample ID: 25K1208-18

Sample Matrix: Soil

TCLP Metals by EPA 1311 - Mansfield Lab

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic, TCLP	ND	1.00	0.0190	mg/l	1	U	6010D	11/29/25	11/30/25 14:00	ZPC
Mercury, TCLP	ND	0.0010	0.0005	mg/l	1	U	7470A	11/29/25	11/30/25 15:30	CME
Barium, TCLP	1.23	0.500	0.0210	mg/l	1		6010D	11/29/25	11/30/25 14:00	ZPC
Cadmium, TCLP	0.0487	0.100	0.0100	mg/l	1	J	6010D	11/29/25	11/30/25 14:00	ZPC
Chromium, TCLP	ND	0.200	0.0210	mg/l	1	U	6010D	11/29/25	11/30/25 14:00	ZPC
Lead, TCLP	0.0986	0.500	0.0270	mg/l	1	J	6010D	11/29/25	11/30/25 14:00	ZPC
Selenium, TCLP	ND	0.500	0.0350	mg/l	1	U	6010D	11/29/25	11/30/25 14:00	ZPC
Silver, TCLP	ND	0.100	0.0280	mg/l	1	U	6010D	11/29/25	11/30/25 14:00	ZPC

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: C-6 Sampled: 11/18/2025 12:10

Sample ID: 25K1208-18

Sample Matrix: Soil

9034 Sulfide Solid

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Sulfide	ND	55.0	4.6	mg/kg	1	U, H3	EPA 9034	12/4/25	12/4/25 9:33	NAA

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: C-6 Sampled: 11/18/2025 12:10

Sample ID: 25K1208-18

Sample Matrix: Soil

Dry Weight/Percent Moisture

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Percent Moisture	16.2	0.10	%	1		ASTM D2216-05M	12/5/25	12/5/25 5:47	NAA

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: B-5 Sampled: 11/18/2025 13:05

Sample ID: 25K1208-19

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	0.025	mg/Kg dry	4		SW-846 8082A	12/3/25	12/5/25 1:30	TG
Aroclor-1221 [1]	ND	0.093	0.043	mg/Kg dry	4		SW-846 8082A	12/3/25	12/5/25 1:30	TG
Aroclor-1232 [1]	ND	0.093	0.024	mg/Kg dry	4		SW-846 8082A	12/3/25	12/5/25 1:30	TG
Aroclor-1242 [1]	ND	0.093	0.026	mg/Kg dry	4		SW-846 8082A	12/3/25	12/5/25 1:30	TG
Aroclor-1248 [1]	ND	0.093	0.034	mg/Kg dry	4		SW-846 8082A	12/3/25	12/5/25 1:30	TG
Aroclor-1254 [1]	ND	0.093	0.041	mg/Kg dry	4		SW-846 8082A	12/3/25	12/5/25 1:30	TG
Aroclor-1260 [1]	ND	0.093	0.024	mg/Kg dry	4		SW-846 8082A	12/3/25	12/5/25 1:30	TG
Aroclor-1262 [1]	ND	0.093	0.032	mg/Kg dry	4		SW-846 8082A	12/3/25	12/5/25 1:30	TG
Aroclor-1268 [1]	ND	0.093	0.024	mg/Kg dry	4		SW-846 8082A	12/3/25	12/5/25 1:30	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.5	30-150		12/5/25 1:30
Decachlorobiphenyl [2]	84.8	30-150		12/5/25 1:30
Tetrachloro-m-xylene [1]	77.0	30-150		12/5/25 1:30
Tetrachloro-m-xylene [2]	80.5	30-150		12/5/25 1:30

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: B-5 Sampled: 11/18/2025 13:05

Sample ID: 25K1208-19

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.9			% Wt	1	H-10	SM 2540G	12/2/25	12/2/25 17:03	DMB
Cyanide	ND	0.58	0.56	mg/Kg dry	1	H-10	SW-846 9014	12/11/25	12/12/25 5:55	LL
Ignitability	Absent			present/absent	1		SW-846 1030	12/7/25	12/7/25 14:32	AGR
pH @17.7°C	7.8			pH Units	1	H-05	SW-846 9045D	12/3/25	12/3/25 0:15	ZEF

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: B-5 Sampled: 11/18/2025 13:05

Sample ID: 25K1208-19

Sample Matrix: Soil

TCLP - Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.010	0.0019	mg/L	1		SW-846 8260D	12/5/25	12/6/25 7:46	LBD
2-Butanone (MEK)	0.025	0.20	0.015	mg/L	1	B, J	SW-846 8260D	12/5/25	12/6/25 7:46	LBD
Carbon Tetrachloride	ND	0.050	0.0018	mg/L	1		SW-846 8260D	12/5/25	12/6/25 7:46	LBD
Chlorobenzene	ND	0.010	0.0012	mg/L	1		SW-846 8260D	12/5/25	12/6/25 7:46	LBD
Chloroform	ND	0.020	0.0014	mg/L	1		SW-846 8260D	12/5/25	12/6/25 7:46	LBD
1,4-Dichlorobenzene	ND	0.010	0.0014	mg/L	1		SW-846 8260D	12/5/25	12/6/25 7:46	LBD
1,2-Dichloroethane	ND	0.010	0.0028	mg/L	1		SW-846 8260D	12/5/25	12/6/25 7:46	LBD
1,1-Dichloroethylene	ND	0.010	0.0015	mg/L	1		SW-846 8260D	12/5/25	12/6/25 7:46	LBD
Tetrachloroethylene	ND	0.010	0.0015	mg/L	1		SW-846 8260D	12/10/25	12/10/25 8:44	MFF
Trichloroethylene	ND	0.010	0.0016	mg/L	1		SW-846 8260D	12/5/25	12/6/25 7:46	LBD
Vinyl Chloride	ND	0.020	0.0022	mg/L	1		SW-846 8260D	12/5/25	12/6/25 7:46	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	95.2	70-130		12/10/25 8:44
1,2-Dichloroethane-d4	87.6	70-130		12/6/25 7:46
Toluene-d8	97.8	70-130		12/10/25 8:44
Toluene-d8	101	70-130		12/6/25 7:46
4-Bromofluorobenzene	92.2	70-130		12/10/25 8:44
4-Bromofluorobenzene	114	70-130		12/6/25 7:46

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: B-5 Sampled: 11/18/2025 13:05

Sample ID: 25K1208-19

Sample Matrix: Soil

TCLP - Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-Dinitrotoluene	ND	0.040	0.0022	mg/L	1		SW-846 8270E	12/4/25	12/5/25 18:20	BGL
Hexachlorobenzene	ND	0.040	0.0015	mg/L	1		SW-846 8270E	12/4/25	12/5/25 18:20	BGL
Hexachlorobutadiene	ND	0.040	0.0024	mg/L	1		SW-846 8270E	12/4/25	12/5/25 18:20	BGL
Hexachloroethane	ND	0.040	0.0024	mg/L	1		SW-846 8270E	12/4/25	12/5/25 18:20	BGL
2-Methylphenol	ND	0.040	0.0017	mg/L	1		SW-846 8270E	12/4/25	12/5/25 18:20	BGL
3/4-Methylphenol	ND	0.040	0.0022	mg/L	1		SW-846 8270E	12/4/25	12/5/25 18:20	BGL
Nitrobenzene	ND	0.040	0.0021	mg/L	1		SW-846 8270E	12/4/25	12/5/25 18:20	BGL
Pentachlorophenol	ND	0.040	0.0020	mg/L	1		SW-846 8270E	12/4/25	12/5/25 18:20	BGL
Pyridine	ND	0.020	0.0019	mg/L	1		SW-846 8270E	12/4/25	12/5/25 18:20	BGL
2,4,5-Trichlorophenol	ND	0.040	0.0018	mg/L	1		SW-846 8270E	12/4/25	12/5/25 18:20	BGL
2,4,6-Trichlorophenol	ND	0.040	0.0016	mg/L	1		SW-846 8270E	12/4/25	12/5/25 18:20	BGL

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
2-Fluorophenol	74.2		15-110		12/5/25 18:20
Phenol-d6	70.0		15-110		12/5/25 18:20
Nitrobenzene-d5	76.9		30-130		12/5/25 18:20
2-Fluorobiphenyl	80.2		30-130		12/5/25 18:20
2,4,6-Tribromophenol	**119**	*	15-110	S-07	12/5/25 18:20
p-Terphenyl-d14	89.9		30-130		12/5/25 18:20

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: B-5 Sampled: 11/18/2025 13:05

Sample ID: 25K1208-19

Sample Matrix: Soil

TCLP Metals by EPA 1311 - Mansfield Lab

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic, TCLP	ND	1.00	0.0190	mg/l	1	U	6010D	11/29/25	11/30/25 14:02	ZPC
Mercury, TCLP	ND	0.0010	0.0005	mg/l	1	U	7470A	11/29/25	11/30/25 15:33	CME
Barium, TCLP	0.458	0.500	0.0210	mg/l	1	J	6010D	11/29/25	11/30/25 14:02	ZPC
Cadmium, TCLP	ND	0.100	0.0100	mg/l	1	U	6010D	11/29/25	11/30/25 14:02	ZPC
Chromium, TCLP	ND	0.200	0.0210	mg/l	1	U	6010D	11/29/25	11/30/25 14:02	ZPC
Lead, TCLP	ND	0.500	0.0270	mg/l	1	U	6010D	11/29/25	11/30/25 14:02	ZPC
Selenium, TCLP	ND	0.500	0.0350	mg/l	1	U	6010D	11/29/25	11/30/25 14:02	ZPC
Silver, TCLP	ND	0.100	0.0280	mg/l	1	U	6010D	11/29/25	11/30/25 14:02	ZPC

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: B-5 Sampled: 11/18/2025 13:05

Sample ID: 25K1208-19

Sample Matrix: Soil

9034 Sulfide Solid

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Sulfide	ND	55.7	4.6	mg/kg	1	U, H3	EPA 9034	12/4/25	12/4/25 9:37	NAA

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Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1208

Date Received: 11/20/2025

Field Sample #: B-5 Sampled: 11/18/2025 13:05

Sample ID: 25K1208-19

Sample Matrix: Soil

Dry Weight/Percent Moisture

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Percent Moisture	10.4	0.10	%	1		ASTM D2216-05M	12/5/25	12/5/25 5:47	NAA

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Sample Extraction Data

Prep Method:EPA 3015 **Analytical Method:6010D**
Media :

Lab Number [Field ID]	Batch	Initial [ml]	Final [ml]	Date
25K1208-02 [C-7]	WG2147481	5	50	11/29/25
25K1208-07 [B-3]	WG2147481	5	50	11/29/25
25K1208-08 [B-4]	WG2147481	5	50	11/29/25
25K1208-10 [C-4]	WG2147481	5	50	11/29/25
25K1208-11 [D-5]	WG2147481	5	50	11/29/25
25K1208-12 [D-4]	WG2147481	5	50	11/29/25
25K1208-13 [E-5]	WG2147481	5	50	11/29/25
25K1208-14 [E-6]	WG2147481	5	50	11/29/25
25K1208-16 [E-7]	WG2147481	5	50	11/29/25
25K1208-17 [D-6]	WG2147481	5	50	11/29/25
25K1208-18 [C-6]	WG2147481	5	50	11/29/25
25K1208-19 [B-5]	WG2147481	5	50	11/29/25

Prep Method:EPA 7470A **Analytical Method:7470A**
Media :

Lab Number [Field ID]	Batch	Initial [ml]	Final [ml]	Date
25K1208-02 [C-7]	WG2147483	5	25	11/29/25
25K1208-07 [B-3]	WG2147483	5	25	11/29/25
25K1208-08 [B-4]	WG2147483	5	25	11/29/25
25K1208-10 [C-4]	WG2147483	5	25	11/29/25
25K1208-11 [D-5]	WG2147483	5	25	11/29/25
25K1208-12 [D-4]	WG2147483	5	25	11/29/25
25K1208-13 [E-5]	WG2147483	5	25	11/29/25
25K1208-14 [E-6]	WG2147483	5	25	11/29/25
25K1208-16 [E-7]	WG2147483	5	25	11/29/25
25K1208-17 [D-6]	WG2147483	5	25	11/29/25
25K1208-18 [C-6]	WG2147483	5	25	11/29/25
25K1208-19 [B-5]	WG2147483	5	25	11/29/25

Sample Extraction Data

Prep Method:METHOD **Analytical Method:ASTM D2216-05M**
Media :

Lab Number [Field ID]	Batch	Initial []	Final []	Date
25K1208-02 [C-7]	431045			12/04/25
25K1208-07 [B-3]	431045			12/04/25
25K1208-08 [B-4]	431045			12/04/25
25K1208-10 [C-4]	431045			12/04/25
25K1208-11 [D-5]	431045			12/04/25
25K1208-12 [D-4]	431045			12/04/25

Prep Method:METHOD **Analytical Method:ASTM D2216-05M**
Media :

Lab Number [Field ID]	Batch	Initial []	Final []	Date
25K1208-13 [E-5]	431243			12/05/25
25K1208-14 [E-6]	431243			12/05/25
25K1208-16 [E-7]	431243			12/05/25
25K1208-17 [D-6]	431243			12/05/25
25K1208-18 [C-6]	431243			12/05/25
25K1208-19 [B-5]	431243			12/05/25

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Sample Extraction Data

Prep Method:EPA 9030B **Analytical Method:EPA 9034**
Media :

Lab Number [Field ID]	Batch	Initial []	Final []	Date
25K1208-02 [C-7]	431043			12/04/25
25K1208-07 [B-3]	431043			12/04/25
25K1208-08 [B-4]	431043			12/04/25
25K1208-10 [C-4]	431043			12/04/25
25K1208-11 [D-5]	431043			12/04/25
25K1208-12 [D-4]	431043			12/04/25
25K1208-13 [E-5]	431043			12/04/25
25K1208-14 [E-6]	431043			12/04/25
25K1208-16 [E-7]	431043			12/04/25
25K1208-17 [D-6]	431043			12/04/25
25K1208-18 [C-6]	431043			12/04/25
25K1208-19 [B-5]	431043			12/04/25

Sample Extraction Data

Prep Method:% Solids **Analytical Method:SM 2540G**

Lab Number [Field ID]	Batch	Date
25K1208-02 [C-7]	B418509	12/02/25
25K1208-07 [B-3]	B418509	12/02/25
25K1208-08 [B-4]	B418509	12/02/25
25K1208-10 [C-4]	B418509	12/02/25
25K1208-11 [D-5]	B418509	12/02/25
25K1208-12 [D-4]	B418509	12/02/25
25K1208-13 [E-5]	B418509	12/02/25
25K1208-14 [E-6]	B418509	12/02/25
25K1208-16 [E-7]	B418509	12/02/25
25K1208-17 [D-6]	B418509	12/02/25
25K1208-18 [C-6]	B418509	12/02/25
25K1208-19 [B-5]	B418509	12/02/25

SW-846 1030

Lab Number [Field ID]	Batch	Initial [g]	Date
25K1208-02 [C-7]	B418028	50.0	12/07/25
25K1208-07 [B-3]	B418028	50.0	12/07/25
25K1208-08 [B-4]	B418028	50.0	12/07/25
25K1208-10 [C-4]	B418028	50.0	12/07/25
25K1208-11 [D-5]	B418028	50.0	12/07/25
25K1208-12 [D-4]	B418028	50.0	12/07/25
25K1208-13 [E-5]	B418028	50.0	12/07/25
25K1208-14 [E-6]	B418028	50.0	12/07/25
25K1208-16 [E-7]	B418028	50.0	12/07/25

SW-846 1030

Lab Number [Field ID]	Batch	Initial [g]	Date
25K1208-17 [D-6]	B418795	50.0	12/07/25
25K1208-18 [C-6]	B418795	50.0	12/07/25
25K1208-19 [B-5]	B418795	50.0	12/07/25

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Sample Extraction Data

Prep Method:SW-846 3546 **Analytical Method:SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
25K1208-02 [C-7]	B418556	10.2	10.0	12/03/25
25K1208-07 [B-3]	B418556	10.2	10.0	12/03/25
25K1208-08 [B-4]	B418556	10.2	10.0	12/03/25
25K1208-10 [C-4]	B418556	10.2	10.0	12/03/25
25K1208-11 [D-5]	B418556	10.1	10.0	12/03/25
25K1208-12 [D-4]	B418556	10.1	10.0	12/03/25
25K1208-13 [E-5]	B418556	10.0	10.0	12/03/25
25K1208-14 [E-6]	B418556	10.0	10.0	12/03/25
25K1208-16 [E-7]	B418556	10.1	10.0	12/03/25
25K1208-17 [D-6]	B418556	10.3	10.0	12/03/25
25K1208-18 [C-6]	B418556	10.2	10.0	12/03/25
25K1208-19 [B-5]	B418556	10.2	10.0	12/03/25

Prep Method:SW-846 5030B **Analytical Method:SW-846 8260D** **Leachates were extracted on 12/2/2025 per SW-846 1311 in Batch B418510**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25K1208-02 [C-7]	B418636	5.00	5.00	12/04/25
25K1208-07 [B-3]	B418636	5.00	5.00	12/04/25
25K1208-08 [B-4]	B418636	5.00	5.00	12/04/25
25K1208-10 [C-4]	B418636	5.00	5.00	12/04/25
25K1208-11 [D-5]	B418636	5.00	5.00	12/04/25

Prep Method:SW-846 5030B **Analytical Method:SW-846 8260D** **Leachates were extracted on 12/3/2025 per SW-846 1311 in Batch B418606**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25K1208-12 [D-4]	B418717	5.00	5.00	12/05/25
25K1208-13 [E-5]	B418717	5.00	5.00	12/05/25
25K1208-14 [E-6]	B418717	5.00	5.00	12/05/25
25K1208-16 [E-7]	B418717	5.00	5.00	12/05/25
25K1208-17 [D-6]	B418717	5.00	5.00	12/05/25
25K1208-18 [C-6]	B418717	5.00	5.00	12/05/25
25K1208-19 [B-5]	B418717	5.00	5.00	12/05/25

Prep Method:SW-846 5030B **Analytical Method:SW-846 8260D** **Leachates were extracted on 12/3/2025 per SW-846 1311 in Batch B418606**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25K1208-19RE1 [B-5]	B418982	5.00	5.00	12/10/25

Prep Method:SW-846 3510C **Analytical Method:SW-846 8270E** **Leachates were extracted on 12/2/2025 per SW-846 1311 in Batch B418507**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25K1208-02 [C-7]	B418609	260	1.00	12/03/25
25K1208-07 [B-3]	B418609	260	1.00	12/03/25
25K1208-08 [B-4]	B418609	250	1.00	12/03/25
25K1208-10 [C-4]	B418609	250	1.00	12/03/25

Prep Method:SW-846 3510C **Analytical Method:SW-846 8270E** **Leachates were extracted on 12/2/2025 per SW-846 1311 in Batch B418507**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date

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Sample Extraction Data

Prep Method:SW-846 3510C **Analytical Method:SW-846 8270E** **Leachates were extracted on 12/2/2025 per SW-846 1311 in Batch B418507**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25K1208-11 [D-5]	B418673	250	1.00	12/04/25
25K1208-12 [D-4]	B418673	250	1.00	12/04/25
25K1208-13 [E-5]	B418673	250	1.00	12/04/25
25K1208-14 [E-6]	B418673	260	1.00	12/04/25
25K1208-16 [E-7]	B418673	250	1.00	12/04/25
25K1208-17 [D-6]	B418673	250	1.00	12/04/25
25K1208-18 [C-6]	B418673	250	1.00	12/04/25
25K1208-19 [B-5]	B418673	250	1.00	12/04/25

Prep Method:SW-846 9010C **Analytical Method:SW-846 9014**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
25K1208-02 [C-7]	B418526	1.10	50.0	12/04/25
25K1208-07 [B-3]	B418526	1.04	50.0	12/04/25

Prep Method:SW-846 9010C **Analytical Method:SW-846 9014**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
25K1208-08 [B-4]	B418754	1.09	50.0	12/08/25
25K1208-10 [C-4]	B418754	1.10	50.0	12/08/25
25K1208-11 [D-5]	B418754	1.02	50.0	12/08/25
25K1208-12 [D-4]	B418754	1.07	50.0	12/08/25
25K1208-13 [E-5]	B418754	1.08	50.0	12/08/25
25K1208-14 [E-6]	B418754	1.12	50.0	12/08/25
25K1208-16 [E-7]	B418754	1.06	50.0	12/08/25
25K1208-17 [D-6]	B418754	1.04	50.0	12/08/25

Prep Method:SW-846 9010C **Analytical Method:SW-846 9014**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
25K1208-18 [C-6]	B418973	1.20	50.0	12/11/25
25K1208-19 [B-5]	B418973	1.02	50.0	12/11/25

SW-846 9045D

Lab Number [Field ID]	Batch	Initial [g]	Date
25K1208-02 [C-7]	B418514	20.0	12/03/25
25K1208-07 [B-3]	B418514	20.0	12/03/25
25K1208-08 [B-4]	B418514	20.0	12/03/25
25K1208-10 [C-4]	B418514	20.0	12/03/25
25K1208-11 [D-5]	B418514	20.0	12/03/25
25K1208-12 [D-4]	B418514	20.0	12/03/25
25K1208-13 [E-5]	B418514	20.0	12/03/25
25K1208-14 [E-6]	B418514	20.0	12/03/25
25K1208-16 [E-7]	B418514	20.0	12/03/25
25K1208-17 [D-6]	B418514	20.0	12/03/25
25K1208-18 [C-6]	B418514	20.0	12/03/25
25K1208-19 [B-5]	B418514	20.0	12/03/25

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B418556 - SW-846 3546										
Blank (B418556-BLK1)				Prepared: 12/03/25 Analyzed: 12/04/25						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.195*		mg/Kg wet	0.1990		98.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.195*		mg/Kg wet	0.1990		98.1	30-150			
Surrogate: Tetrachloro-m-xylene	*0.164*		mg/Kg wet	0.1990		82.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.168*		mg/Kg wet	0.1990		84.3	30-150			
LCS (B418556-BS1)				Prepared: 12/03/25 Analyzed: 12/04/25						
Aroclor-1016	0.13	0.020	mg/Kg wet	0.1998		64.8	40-140			
Aroclor-1016 [2C]	0.13	0.020	mg/Kg wet	0.1998		67.4	40-140			
Aroclor-1260	0.14	0.020	mg/Kg wet	0.1998		72.4	40-140			
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.1998		72.8	40-140			
Surrogate: Decachlorobiphenyl	*0.177*		mg/Kg wet	0.1998		88.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.177*		mg/Kg wet	0.1998		88.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.145*		mg/Kg wet	0.1998		72.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.154*		mg/Kg wet	0.1998		77.3	30-150			
LCS Dup (B418556-BSD1)				Prepared: 12/03/25 Analyzed: 12/04/25						
Aroclor-1016	0.15	0.020	mg/Kg wet	0.1998		73.1	40-140	12.1	30	
Aroclor-1016 [2C]	0.15	0.020	mg/Kg wet	0.1998		76.6	40-140	12.8	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.1998		80.7	40-140	10.8	30	
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.1998		81.2	40-140	10.9	30	
Surrogate: Decachlorobiphenyl	*0.195*		mg/Kg wet	0.1998		97.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.194*		mg/Kg wet	0.1998		96.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.169*		mg/Kg wet	0.1998		84.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.175*		mg/Kg wet	0.1998		87.4	30-150			

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B418509 - % Solids										
Duplicate (B418509-DUP1)	**Source: 25K1208-02**			Prepared & Analyzed: 12/02/25						
% Solids	83.2		% Wt		83.8			0.615	10	
Batch B418514 - SW-846 9045D										
LCS (B418514-BS1)				Prepared & Analyzed: 12/03/25						
pH	6.00		pH Units	6.000		100	90-110			
LCS (B418514-BS2)				Prepared & Analyzed: 12/03/25						
pH	5.98		pH Units	6.000		99.6	90-110			
Duplicate (B418514-DUP1)	**Source: 25K1208-02**			Prepared & Analyzed: 12/03/25						
pH	7.9		pH Units		7.9			0.215	12.5	H-05
Batch B418526 - SW-846 9010C										
Blank (B418526-BLK1)				Prepared: 12/04/25 Analyzed: 12/05/25						
Cyanide	ND	0.50	mg/Kg wet							
LCS (B418526-BS1)				Prepared: 12/04/25 Analyzed: 12/05/25						
Cyanide	12	0.48	mg/Kg wet	14.52		**79.4** *	80-120			L-07
LCS Dup (B418526-BSD1)				Prepared: 12/04/25 Analyzed: 12/05/25						
Cyanide	12	0.47	mg/Kg wet	14.12		86.3	80-120	5.62	20	
MRL Check (B418526-MRL1)				Prepared: 12/04/25 Analyzed: 12/05/25						
Cyanide	0.640	0.50	mg/Kg wet	0.5000		128	0-200			
Batch B418754 - SW-846 9010C										
Blank (B418754-BLK1)				Prepared: 12/08/25 Analyzed: 12/09/25						
Cyanide	ND	0.49	mg/Kg wet							
LCS (B418754-BS1)				Prepared: 12/08/25 Analyzed: 12/09/25						
Cyanide	13	0.49	mg/Kg wet	14.64		90.5	80-120			
LCS Dup (B418754-BSD1)				Prepared: 12/08/25 Analyzed: 12/09/25						
Cyanide	13	0.49	mg/Kg wet	14.66		87.8	80-120	3.00	20	
MRL Check (B418754-MRL1)				Prepared: 12/08/25 Analyzed: 12/09/25						
Cyanide	0.648	0.50	mg/Kg wet	0.5000		130	0-200			

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B418754 - SW-846 9010C										
Matrix Spike (B418754-MS1)	**Source: 25K1208-08**			Prepared: 12/08/25 Analyzed: 12/09/25						
Cyanide	14	0.59	mg/Kg dry	17.70	ND	81.8	75-125			H-10
Matrix Spike Dup (B418754-MSD1)	**Source: 25K1208-08**			Prepared: 12/08/25 Analyzed: 12/09/25						
Cyanide	16	0.60	mg/Kg dry	17.98	ND	89.8	75-125	10.8	35	H-10
Batch B418973 - SW-846 9010C										
Blank (B418973-BLK1)				Prepared: 12/11/25 Analyzed: 12/12/25						
Cyanide	ND	0.50	mg/Kg wet							
LCS (B418973-BS1)				Prepared: 12/11/25 Analyzed: 12/12/25						
Cyanide	14	0.48	mg/Kg wet	14.33		97.3	80-120			
LCS Dup (B418973-BSD1)				Prepared: 12/11/25 Analyzed: 12/12/25						
Cyanide	15	0.48	mg/Kg wet	14.54		106	80-120	10.3	20	
MRL Check (B418973-MRL1)				Prepared: 12/11/25 Analyzed: 12/12/25						
Cyanide	0.708	0.50	mg/Kg wet	0.5000		142	0-200			
Matrix Spike (B418973-MS1)	**Source: 25K1208-18**			Prepared: 12/11/25 Analyzed: 12/12/25						
Cyanide	15	0.50	mg/Kg dry	14.96	0.48	95.1	75-125			H-10
Matrix Spike Dup (B418973-MSD1)	**Source: 25K1208-18**			Prepared: 12/11/25 Analyzed: 12/12/25						
Cyanide	17	0.53	mg/Kg dry	15.92	ND	106	75-125	13.5	35	H-10

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QUALITY CONTROL

TCLP - Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B418636 - SW-846 5030B											
Blank (B418636-BLK1)				Prepared: 12/04/25 Analyzed: 12/05/25							
Benzene	ND	0.010	mg/L								
2-Butanone (MEK)	ND	0.20	mg/L								
Carbon Tetrachloride	ND	0.050	mg/L								
Chlorobenzene	ND	0.010	mg/L								
Chloroform	ND	0.020	mg/L								
1,4-Dichlorobenzene	ND	0.010	mg/L								
1,2-Dichloroethane	ND	0.010	mg/L								
1,1-Dichloroethylene	ND	0.010	mg/L								
Tetrachloroethylene	0.029	0.010	mg/L							B-05	
Trichloroethylene	ND	0.010	mg/L								
Vinyl Chloride	ND	0.020	mg/L								
Surrogate: 1,2-Dichloroethane-d4	*0.0230*		mg/L	0.02500		92.1	70-130				
Surrogate: Toluene-d8	*0.0246*		mg/L	0.02500		98.3	70-130				
Surrogate: 4-Bromofluorobenzene	*0.0238*		mg/L	0.02500		95.2	70-130				
LCS (B418636-BS1)				Prepared & Analyzed: 12/04/25							
Benzene	0.0106	0.0010	mg/L	0.01000		106	70-130				
2-Butanone (MEK)	0.0856	0.020	mg/L	0.1000		85.6	40-160				†
Carbon Tetrachloride	0.0110	0.0050	mg/L	0.01000		110	70-130				
Chlorobenzene	0.0110	0.0010	mg/L	0.01000		110	70-130				
Chloroform	0.0107	0.0020	mg/L	0.01000		107	70-130				
1,4-Dichlorobenzene	0.00923	0.0010	mg/L	0.01000		92.3	70-130				
1,2-Dichloroethane	0.00960	0.0010	mg/L	0.01000		96.0	70-130				
1,1-Dichloroethylene	0.0102	0.0010	mg/L	0.01000		102	70-130				
Tetrachloroethylene	0.0111	0.0010	mg/L	0.01000		111	70-130			B	
Trichloroethylene	0.0106	0.0010	mg/L	0.01000		106	70-130				
Vinyl Chloride	0.0116	0.0020	mg/L	0.01000		116	40-160				†
Surrogate: 1,2-Dichloroethane-d4	*0.0231*		mg/L	0.02500		92.5	70-130				
Surrogate: Toluene-d8	*0.0258*		mg/L	0.02500		103	70-130				
Surrogate: 4-Bromofluorobenzene	*0.0250*		mg/L	0.02500		100	70-130				
LCS Dup (B418636-BSD1)				Prepared & Analyzed: 12/04/25							
Benzene	0.0104	0.0010	mg/L	0.01000		104	70-130	1.14	25		
2-Butanone (MEK)	0.0998	0.020	mg/L	0.1000		99.8	40-160	15.3	25		†
Carbon Tetrachloride	0.0104	0.0050	mg/L	0.01000		104	70-130	5.40	25		
Chlorobenzene	0.0106	0.0010	mg/L	0.01000		106	70-130	4.16	25		
Chloroform	0.0103	0.0020	mg/L	0.01000		103	70-130	3.72	25		
1,4-Dichlorobenzene	0.00938	0.0010	mg/L	0.01000		93.8	70-130	1.61	25		
1,2-Dichloroethane	0.00900	0.0010	mg/L	0.01000		90.0	70-130	6.45	25		
1,1-Dichloroethylene	0.00959	0.0010	mg/L	0.01000		95.9	70-130	5.97	25		
Tetrachloroethylene	0.0100	0.0010	mg/L	0.01000		100	70-130	10.2	25	B	
Trichloroethylene	0.0103	0.0010	mg/L	0.01000		103	70-130	2.86	25		
Vinyl Chloride	0.0108	0.0020	mg/L	0.01000		108	40-160	7.51	25		†
Surrogate: 1,2-Dichloroethane-d4	*0.0242*		mg/L	0.02500		96.9	70-130				
Surrogate: Toluene-d8	*0.0255*		mg/L	0.02500		102	70-130				
Surrogate: 4-Bromofluorobenzene	*0.0246*		mg/L	0.02500		98.6	70-130				

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QUALITY CONTROL

TCLP - Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B418636 - SW-846 5030B										
Matrix Spike (B418636-MS1)	**Source: 25K1208-02**			Prepared: 12/04/25 Analyzed: 12/05/25						
Benzene	0.110	0.010	mg/L	0.1000	ND	110	70-130			
2-Butanone (MEK)	1.13	0.20	mg/L	1.000	ND	113	70-130			
Carbon Tetrachloride	0.107	0.050	mg/L	0.1000	ND	107	70-130			
Chlorobenzene	0.112	0.010	mg/L	0.1000	ND	112	70-130			
Chloroform	0.104	0.020	mg/L	0.1000	ND	104	70-130			
1,4-Dichlorobenzene	0.0972	0.010	mg/L	0.1000	ND	97.2	70-130			
1,2-Dichloroethane	0.0905	0.010	mg/L	0.1000	ND	90.5	70-130			
1,1-Dichloroethylene	0.100	0.010	mg/L	0.1000	ND	100	70-130			
Tetrachloroethylene	0.105	0.010	mg/L	0.1000	ND	105	70-130			B
Trichloroethylene	0.105	0.010	mg/L	0.1000	ND	105	70-130			
Vinyl Chloride	0.111	0.020	mg/L	0.1000	ND	111	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0230*		mg/L	0.02500		91.8	70-130			
Surrogate: Toluene-d8	*0.0245*		mg/L	0.02500		98.1	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0250*		mg/L	0.02500		100	70-130			
Batch B418717 - SW-846 5030B										
Blank (B418717-BLK1)				Prepared: 12/05/25 Analyzed: 12/06/25						
Benzene	ND	0.010	mg/L							
2-Butanone (MEK)	0.047	0.20	mg/L							B, J
Carbon Tetrachloride	ND	0.050	mg/L							
Chlorobenzene	ND	0.010	mg/L							
Chloroform	ND	0.020	mg/L							
1,4-Dichlorobenzene	ND	0.010	mg/L							
1,2-Dichloroethane	ND	0.010	mg/L							
1,1-Dichloroethylene	ND	0.010	mg/L							
Tetrachloroethylene	ND	0.010	mg/L							
Trichloroethylene	ND	0.010	mg/L							
Vinyl Chloride	ND	0.020	mg/L							
Surrogate: 1,2-Dichloroethane-d4	*0.0221*		mg/L	0.02500		88.5	70-130			
Surrogate: Toluene-d8	*0.0253*		mg/L	0.02500		101	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0284*		mg/L	0.02500		114	70-130			
LCS (B418717-BS1)				Prepared & Analyzed: 12/05/25						
Benzene	0.00921	0.0010	mg/L	0.01000		92.1	70-130			
2-Butanone (MEK)	0.113	0.020	mg/L	0.1000		113	40-160			†
Carbon Tetrachloride	0.00839	0.0050	mg/L	0.01000		83.9	70-130			
Chlorobenzene	0.0114	0.0010	mg/L	0.01000		114	70-130			
Chloroform	0.00868	0.0020	mg/L	0.01000		86.8	70-130			
1,4-Dichlorobenzene	0.00983	0.0010	mg/L	0.01000		98.3	70-130			
1,2-Dichloroethane	0.00873	0.0010	mg/L	0.01000		87.3	70-130			
1,1-Dichloroethylene	0.00819	0.0010	mg/L	0.01000		81.9	70-130			
Tetrachloroethylene	0.0123	0.0010	mg/L	0.01000		123	70-130			
Trichloroethylene	0.0110	0.0010	mg/L	0.01000		110	70-130			
Vinyl Chloride	0.00990	0.0020	mg/L	0.01000		99.0	40-160			†
Surrogate: 1,2-Dichloroethane-d4	*0.0225*		mg/L	0.02500		90.0	70-130			
Surrogate: Toluene-d8	*0.0256*		mg/L	0.02500		102	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0287*		mg/L	0.02500		115	70-130			

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QUALITY CONTROL

TCLP - Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B418717 - SW-846 5030B										
LCS Dup (B418717-BSD1)				Prepared & Analyzed: 12/05/25						
Benzene	0.00972	0.0010	mg/L	0.01000		97.2	70-130	5.39	25	
2-Butanone (MEK)	0.123	0.020	mg/L	0.1000		123	40-160	8.23	25	†
Carbon Tetrachloride	0.00823	0.0050	mg/L	0.01000		82.3	70-130	1.93	25	
Chlorobenzene	0.0115	0.0010	mg/L	0.01000		115	70-130	1.22	25	
Chloroform	0.00909	0.0020	mg/L	0.01000		90.9	70-130	4.61	25	
1,4-Dichlorobenzene	0.0102	0.0010	mg/L	0.01000		102	70-130	3.40	25	
1,2-Dichloroethane	0.00951	0.0010	mg/L	0.01000		95.1	70-130	8.55	25	
1,1-Dichloroethylene	0.00840	0.0010	mg/L	0.01000		84.0	70-130	2.53	25	
Tetrachloroethylene	0.0127	0.0010	mg/L	0.01000		127	70-130	3.36	25	
Trichloroethylene	0.0119	0.0010	mg/L	0.01000		119	70-130	7.61	25	
Vinyl Chloride	0.0102	0.0020	mg/L	0.01000		102	40-160	3.38	25	†
Surrogate: 1,2-Dichloroethane-d4	*0.0223*		mg/L	0.02500		89.1	70-130			
Surrogate: Toluene-d8	*0.0257*		mg/L	0.02500		103	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0289*		mg/L	0.02500		115	70-130			
Batch B418982 - SW-846 5030B										
Blank (B418982-BLK1)				Prepared: 12/09/25 Analyzed: 12/10/25						
Tetrachloroethylene	ND	0.010	mg/L							
Surrogate: 1,2-Dichloroethane-d4	*0.0235*		mg/L	0.02500		93.8	70-130			
Surrogate: Toluene-d8	*0.0246*		mg/L	0.02500		98.2	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0221*		mg/L	0.02500		88.3	70-130			
LCS (B418982-BS1)				Prepared & Analyzed: 12/09/25						
Tetrachloroethylene	0.0109	0.0010	mg/L	0.01000		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0237*		mg/L	0.02500		94.9	70-130			
Surrogate: Toluene-d8	*0.0255*		mg/L	0.02500		102	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0257*		mg/L	0.02500		103	70-130			
LCS Dup (B418982-BSD1)				Prepared & Analyzed: 12/09/25						
Tetrachloroethylene	0.0111	0.0010	mg/L	0.01000		111	70-130	1.72	25	
Surrogate: 1,2-Dichloroethane-d4	*0.0237*		mg/L	0.02500		94.7	70-130			
Surrogate: Toluene-d8	*0.0249*		mg/L	0.02500		99.6	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0246*		mg/L	0.02500		98.2	70-130			

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QUALITY CONTROL

TCLP - Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B418609 - SW-846 3510C										
Blank (B418609-BLK1)				Prepared: 12/03/25 Analyzed: 12/04/25						
2,4-Dinitrotoluene	ND	0.040	mg/L							
Hexachlorobenzene	ND	0.040	mg/L							
Hexachlorobutadiene	ND	0.040	mg/L							
Hexachloroethane	ND	0.040	mg/L							
2-Methylphenol	ND	0.040	mg/L							
3/4-Methylphenol	ND	0.040	mg/L							
Nitrobenzene	ND	0.040	mg/L							
Pentachlorophenol	ND	0.040	mg/L							
Pyridine	ND	0.020	mg/L							
2,4,5-Trichlorophenol	ND	0.040	mg/L							
2,4,6-Trichlorophenol	ND	0.040	mg/L							
Surrogate: 2-Fluorophenol	*0.626*		mg/L	0.8000		78.2	15-110			
Surrogate: Phenol-d6	*0.505*		mg/L	0.8000		63.2	15-110			
Surrogate: Nitrobenzene-d5	*0.296*		mg/L	0.4000		74.0	30-130			
Surrogate: 2-Fluorobiphenyl	*0.337*		mg/L	0.4000		84.3	30-130			
Surrogate: 2,4,6-Tribromophenol	*0.787*		mg/L	0.8000		98.4	15-110			
Surrogate: p-Terphenyl-d14	*0.398*		mg/L	0.4000		99.5	30-130			
LCS (B418609-BS1)				Prepared: 12/03/25 Analyzed: 12/04/25						
2,4-Dinitrotoluene	0.183	0.040	mg/L	0.2000		91.7	40-140			
Hexachlorobenzene	0.193	0.040	mg/L	0.2000		96.3	40-140			
Hexachlorobutadiene	0.160	0.040	mg/L	0.2000		79.9	40-140			
Hexachloroethane	0.141	0.040	mg/L	0.2000		70.3	40-140			
2-Methylphenol	0.153	0.040	mg/L	0.2000		76.7	30-130			
3/4-Methylphenol	0.162	0.040	mg/L	0.2000		80.9	30-130			
Nitrobenzene	0.172	0.040	mg/L	0.2000		86.2	40-140			
Pentachlorophenol	0.166	0.040	mg/L	0.2000		82.8	30-130			
Pyridine	0.0925	0.020	mg/L	0.2000		46.3	10-140			†
2,4,5-Trichlorophenol	0.184	0.040	mg/L	0.2000		92.0	30-130			
2,4,6-Trichlorophenol	0.175	0.040	mg/L	0.2000		87.5	30-130			
Surrogate: 2-Fluorophenol	*0.590*		mg/L	0.8000		73.7	15-110			
Surrogate: Phenol-d6	*0.540*		mg/L	0.8000		67.4	15-110			
Surrogate: Nitrobenzene-d5	*0.340*		mg/L	0.4000		85.0	30-130			
Surrogate: 2-Fluorobiphenyl	*0.356*		mg/L	0.4000		88.9	30-130			
Surrogate: 2,4,6-Tribromophenol	*0.832*		mg/L	0.8000		104	15-110			
Surrogate: p-Terphenyl-d14	*0.366*		mg/L	0.4000		91.6	30-130			
LCS Dup (B418609-BSD1)				Prepared: 12/03/25 Analyzed: 12/04/25						
2,4-Dinitrotoluene	0.173	0.040	mg/L	0.2000		86.3	40-140	6.04	20	
Hexachlorobenzene	0.191	0.040	mg/L	0.2000		95.3	40-140	1.13	20	
Hexachlorobutadiene	0.154	0.040	mg/L	0.2000		77.0	40-140	3.77	20	
Hexachloroethane	0.144	0.040	mg/L	0.2000		72.0	40-140	2.33	50	‡
2-Methylphenol	0.155	0.040	mg/L	0.2000		77.6	30-130	1.22	20	
3/4-Methylphenol	0.166	0.040	mg/L	0.2000		82.9	30-130	2.44	20	
Nitrobenzene	0.165	0.040	mg/L	0.2000		82.5	40-140	4.48	20	
Pentachlorophenol	0.155	0.040	mg/L	0.2000		77.6	30-130	6.53	50	‡
Pyridine	0.0916	0.020	mg/L	0.2000		45.8	10-140	1.04	50	† ‡
2,4,5-Trichlorophenol	0.160	0.040	mg/L	0.2000		79.9	30-130	14.0	20	
2,4,6-Trichlorophenol	0.168	0.040	mg/L	0.2000		83.9	30-130	4.18	50	‡
Surrogate: 2-Fluorophenol	*0.568*		mg/L	0.8000		71.0	15-110			
Surrogate: Phenol-d6	*0.525*		mg/L	0.8000		65.6	15-110			
Surrogate: Nitrobenzene-d5	*0.323*		mg/L	0.4000		80.6	30-130			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B418609 - SW-846 3510C											
LCS Dup (B418609-BSD1)				Prepared: 12/03/25 Analyzed: 12/04/25							
Surrogate: 2-Fluorobiphenyl	*0.336*		mg/L	0.4000		84.0		30-130			
Surrogate: 2,4,6-Tribromophenol	*0.776*		mg/L	0.8000		97.0		15-110			
Surrogate: p-Terphenyl-d14	*0.346*		mg/L	0.4000		86.6		30-130			
Matrix Spike (B418609-MS1)	**Source: 25K1208-02**			Prepared: 12/03/25 Analyzed: 12/04/25							
2,4-Dinitrotoluene	0.183	0.040	mg/L	0.2000	ND	91.6		40-140			
Hexachlorobenzene	0.194	0.040	mg/L	0.2000	ND	96.8		40-140			
Hexachlorobutadiene	0.166	0.040	mg/L	0.2000	ND	83.2		40-140			
Hexachloroethane	0.140	0.040	mg/L	0.2000	ND	70.1		40-140			
2-Methylphenol	0.147	0.040	mg/L	0.2000	ND	73.6		40-140			
3/4-Methylphenol	0.162	0.040	mg/L	0.2000	ND	80.8		40-140			
Nitrobenzene	0.150	0.040	mg/L	0.2000	ND	75.2		40-140			
Pentachlorophenol	0.156	0.040	mg/L	0.2000	ND	78.1		40-140			
Pyridine	0.125	0.020	mg/L	0.2000	ND	62.3		40-140			
2,4,5-Trichlorophenol	0.170	0.040	mg/L	0.2000	ND	85.2		40-140			
2,4,6-Trichlorophenol	0.162	0.040	mg/L	0.2000	ND	81.0		40-140			
Surrogate: 2-Fluorophenol	*0.624*		mg/L	0.8000		78.0		15-110			
Surrogate: Phenol-d6	*0.532*		mg/L	0.8000		66.4		15-110			
Surrogate: Nitrobenzene-d5	*0.303*		mg/L	0.4000		75.8		30-130			
Surrogate: 2-Fluorobiphenyl	*0.329*		mg/L	0.4000		82.4		30-130			
Surrogate: 2,4,6-Tribromophenol	*0.812*		mg/L	0.8000		102		15-110			
Surrogate: p-Terphenyl-d14	*0.375*		mg/L	0.4000		93.8		30-130			
Batch B418673 - SW-846 3510C											
Blank (B418673-BLK1)				Prepared: 12/04/25 Analyzed: 12/05/25							
2,4-Dinitrotoluene	ND	0.040	mg/L								
Hexachlorobenzene	ND	0.040	mg/L								
Hexachlorobutadiene	ND	0.040	mg/L								
Hexachloroethane	ND	0.040	mg/L								
2-Methylphenol	ND	0.040	mg/L								
3/4-Methylphenol	ND	0.040	mg/L								
Nitrobenzene	ND	0.040	mg/L								
Pentachlorophenol	ND	0.040	mg/L								
Pyridine	ND	0.020	mg/L								
2,4,5-Trichlorophenol	ND	0.040	mg/L								
2,4,6-Trichlorophenol	ND	0.040	mg/L								
Surrogate: 2-Fluorophenol	*0.548*		mg/L	0.8000		68.5		15-110			
Surrogate: Phenol-d6	*0.517*		mg/L	0.8000		64.6		15-110			
Surrogate: Nitrobenzene-d5	*0.291*		mg/L	0.4000		72.7		30-130			
Surrogate: 2-Fluorobiphenyl	*0.291*		mg/L	0.4000		72.7		30-130			
Surrogate: 2,4,6-Tribromophenol	*0.904*		mg/L	0.8000		**113**	*	15-110			S-07
Surrogate: p-Terphenyl-d14	*0.351*		mg/L	0.4000		87.6		30-130			

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QUALITY CONTROL

TCLP - Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B418673 - SW-846 3510C												
LCS (B418673-BS1)				Prepared: 12/04/25 Analyzed: 12/05/25								
2,4-Dinitrotoluene	0.194	0.040	mg/L	0.2000		96.9		40-140				
Hexachlorobenzene	0.177	0.040	mg/L	0.2000		88.6		40-140				
Hexachlorobutadiene	0.157	0.040	mg/L	0.2000		78.7		40-140				
Hexachloroethane	0.144	0.040	mg/L	0.2000		72.1		40-140				
2-Methylphenol	0.168	0.040	mg/L	0.2000		83.8		30-130				
3/4-Methylphenol	0.165	0.040	mg/L	0.2000		82.7		30-130				
Nitrobenzene	0.158	0.040	mg/L	0.2000		79.0		40-140				
Pentachlorophenol	0.178	0.040	mg/L	0.2000		88.8		30-130				
Pyridine	0.103	0.020	mg/L	0.2000		51.5		10-140				†
2,4,5-Trichlorophenol	0.180	0.040	mg/L	0.2000		90.2		30-130				
2,4,6-Trichlorophenol	0.172	0.040	mg/L	0.2000		86.0		30-130				
Surrogate: 2-Fluorophenol	*0.614*		mg/L	0.8000		76.7		15-110				
Surrogate: Phenol-d6	*0.592*		mg/L	0.8000		74.0		15-110				
Surrogate: Nitrobenzene-d5	*0.331*		mg/L	0.4000		82.7		30-130				
Surrogate: 2-Fluorobiphenyl	*0.337*		mg/L	0.4000		84.3		30-130				
Surrogate: 2,4,6-Tribromophenol	*1.07*		mg/L	0.8000		**133**	*	15-110			S-07	
Surrogate: p-Terphenyl-d14	*0.365*		mg/L	0.4000		91.2		30-130				
LCS Dup (B418673-BSD1)				Prepared: 12/04/25 Analyzed: 12/05/25								
2,4-Dinitrotoluene	0.187	0.040	mg/L	0.2000		93.6		40-140	3.42	20		
Hexachlorobenzene	0.176	0.040	mg/L	0.2000		87.8		40-140	0.930	20		
Hexachlorobutadiene	0.157	0.040	mg/L	0.2000		78.6		40-140	0.0763	20		
Hexachloroethane	0.139	0.040	mg/L	0.2000		69.7		40-140	3.44	50		‡
2-Methylphenol	0.163	0.040	mg/L	0.2000		81.4		30-130	2.88	20		
3/4-Methylphenol	0.157	0.040	mg/L	0.2000		78.4		30-130	5.29	20		
Nitrobenzene	0.154	0.040	mg/L	0.2000		77.0		40-140	2.62	20		
Pentachlorophenol	0.175	0.040	mg/L	0.2000		87.3		30-130	1.68	50		‡
Pyridine	0.100	0.020	mg/L	0.2000		50.0		10-140	2.96	50		† ‡
2,4,5-Trichlorophenol	0.174	0.040	mg/L	0.2000		87.0		30-130	3.57	20		
2,4,6-Trichlorophenol	0.168	0.040	mg/L	0.2000		84.1		30-130	2.14	50		‡
Surrogate: 2-Fluorophenol	*0.593*		mg/L	0.8000		74.1		15-110				
Surrogate: Phenol-d6	*0.566*		mg/L	0.8000		70.7		15-110				
Surrogate: Nitrobenzene-d5	*0.319*		mg/L	0.4000		79.8		30-130				
Surrogate: 2-Fluorobiphenyl	*0.320*		mg/L	0.4000		79.9		30-130				
Surrogate: 2,4,6-Tribromophenol	*0.998*		mg/L	0.8000		**125**	*	15-110			S-07	
Surrogate: p-Terphenyl-d14	*0.349*		mg/L	0.4000		87.2		30-130				

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QUALITY CONTROL

TCLP Metals by EPA 1311 - Mansfield Lab - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch WG2147481 - EPA 3015										
Blank (WG2147481-1)				Prepared: 11/29/25 Analyzed: 11/30/25						
Arsenic, TCLP	ND	1.00	mg/l				-			
Barium, TCLP	ND	0.500	mg/l				-			
Cadmium, TCLP	ND	0.100	mg/l				-			
Chromium, TCLP	ND	0.200	mg/l				-			
Lead, TCLP	ND	0.500	mg/l				-			
Selenium, TCLP	ND	0.500	mg/l				-			
Silver, TCLP	ND	0.100	mg/l				-			
LCS (WG2147481-2)				Prepared: 11/29/25 Analyzed: 11/30/25						
Arsenic, TCLP	1.02	1	mg/l	1.2		85	75-125			
Barium, TCLP	17.1	.5	mg/l	20		86	75-125			
Cadmium, TCLP	0.476	.1	mg/l	.53		90	75-125			
Chromium, TCLP	1.72	.2	mg/l	2		86	75-125			
Lead, TCLP	4.89	.5	mg/l	5.3		92	75-125			
Selenium, TCLP	1.02	.5	mg/l	1.2		85	75-125			
Silver, TCLP	0.424	.1	mg/l	.5		85	75-125			
Matrix Spike (WG2147481-3)	**Source: C-7**			Prepared: 11/29/25 Analyzed: 11/30/25						
Arsenic, TCLP	1.08	1	mg/l	1.2	0	90	75-125			
Barium, TCLP	17.3	.5	mg/l	20	.479	86	75-125			
Cadmium, TCLP	0.476	.1	mg/l	.53	0	90	75-125			
Chromium, TCLP	1.69	.2	mg/l	2	0	84	75-125			
Lead, TCLP	4.83	.5	mg/l	5.3	0	91	75-125			
Selenium, TCLP	1.04	.5	mg/l	1.2	0	87	75-125			
Silver, TCLP	0.414	.1	mg/l	.5	0	83	75-125			
Duplicate (WG2147481-4)	**Source: C-7**			Prepared: 11/29/25 Analyzed: 11/30/25						
Arsenic, TCLP	ND	1.00	mg/l		0		-	NC	20	
Barium, TCLP	0.470	0.500	mg/l		.479		-	NC	20	J
Cadmium, TCLP	ND	0.100	mg/l		0		-	NC	20	
Chromium, TCLP	ND	0.200	mg/l		0		-	NC	20	
Lead, TCLP	ND	0.500	mg/l		0		-	NC	20	
Selenium, TCLP	ND	0.500	mg/l		0		-	NC	20	
Silver, TCLP	ND	0.100	mg/l		0		-	NC	20	
Batch WG2147483 - EPA 7470A										
Blank (WG2147483-1)				Prepared: 11/29/25 Analyzed: 11/30/25						
Mercury, TCLP	ND	0.0010	mg/l				-			
LCS (WG2147483-2)				Prepared: 11/29/25 Analyzed: 11/30/25						
Mercury, TCLP	0.0047	.001	mg/l	.005		94	80-120			

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QUALITY CONTROL

TCLP Metals by EPA 1311 - Mansfield Lab - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch WG2147483 - EPA 7470A										
Matrix Spike (WG2147483-3)	**Source: C-7**			Prepared: 11/29/25 Analyzed: 11/30/25						
Mercury, TCLP	0.0255	.001	mg/l	.025	0	102	75-125			
Duplicate (WG2147483-4)	**Source: C-7**			Prepared: 11/29/25 Analyzed: 11/30/25						
Mercury, TCLP	ND	0.0010	mg/l		0		-	NC	20	

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QUALITY CONTROL

9034 Sulfide Solid - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 431043 - EPA 9030B										
BLANK (2307229)				Prepared & Analyzed: 12/04/25						
Sulfide	ND	50.0	mg/kg				-			
LCS (2307230)				Prepared & Analyzed: 12/04/25						
Sulfide	2720	50.0	mg/kg	2800		97	80-120			
DUP (2307232)	**Source: B-5**			Prepared & Analyzed: 12/04/25						
Sulfide	ND	55.4	mg/kg		0		-		20	H3

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QUALITY CONTROL

Dry Weight/Percent Moisture - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 431045 - METHOD										
DUP (2307234)	**Source: B-3**			Prepared & Analyzed: 12/04/25						
Percent Moisture	12.8	0.10	%		12.6		-		20	
DUP (2307235)	**Source: B-4**			Prepared & Analyzed: 12/04/25						
Percent Moisture	18.5	0.10	%		19.1		-		20	
Batch 431243 - METHOD										
DUP (2308376)	**Source: E-6**			Prepared & Analyzed: 12/05/25						
Percent Moisture	23.5	0.10	%		24.4		-		20	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B-4

Lab Sample ID: 25K1208-08 Date(s) Analyzed: 12/04/2025 12/04/2025

Instrument ID (1): ECD11 Instrument ID (2): ECD11

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.034	
	2	0.000	0.000	0.000	0.032	6.1
Aroclor-1268	1	0.000	0.000	0.000	0.044	
	2	0.000	0.000	0.000	0.046	4.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

C-6

Lab Sample ID: 25K1208-18

Date(s) Analyzed: 12/05/2025 12/05/2025

Instrument ID (1): ECD11

Instrument ID (2): ECD11

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1268	1	0.000	0.000	0.000	0.034	
	2	0.000	0.000	0.000	0.033	3.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B418556-BS1 Date(s) Analyzed: 12/04/2025 12/04/2025

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.13	
	2	0.000	0.000	0.000	0.13	0.0
Aroclor-1260	1	0.000	0.000	0.000	0.14	
	2	0.000	0.000	0.000	0.15	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B418556-BSD1 Date(s) Analyzed: 12/04/2025 12/04/2025

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.15	
	2	0.000	0.000	0.000	0.15	0.0
Aroclor-1260	1	0.000	0.000	0.000	0.16	
	2	0.000	0.000	0.000	0.16	0.0

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
B	Analyte is found in the associated laboratory blank as well as in the sample.
B-05	Data is not affected by elevated level in laboratory blank since sample(s) result is "Not Detected".
H-05	Holding time was exceeded. pH analysis should be performed immediately at time of sampling. Nominal 15 minute holding time was exceeded.
H-10	Analysis was requested after the recommended holding time had passed.
H3	Sample was received or analysis requested beyond the recognized method holding time.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
O-32	A dilution was performed as part of the standard analytical procedure.
S-07	One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 1030 in Soil	
Ignitability	NC,NY,NH,CT,ME,VA
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,NC,ME,VA,PA,NJ
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA,PA,NJ
Aroclor-1221	CT,NH,NY,NC,ME,VA,PA,NJ
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA,PA,NJ
Aroclor-1232	CT,NH,NY,NC,ME,VA,PA,NJ
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA,PA,NJ
Aroclor-1242	CT,NH,NY,NC,ME,VA,PA,NJ
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA,PA,NJ
Aroclor-1248	CT,NH,NY,NC,ME,VA,PA,NJ
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA,PA,NJ
Aroclor-1254	CT,NH,NY,NC,ME,VA,PA,NJ
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA,PA,NJ
Aroclor-1260	CT,NH,NY,NC,ME,VA,PA,NJ
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA,PA,NJ
Aroclor-1262	NH,NY,NC,ME,VA,PA,NJ
Aroclor-1262 [2C]	NH,NY,NC,ME,VA,PA,NJ
Aroclor-1268	NH,NY,NC,ME,VA,PA,NJ
Aroclor-1268 [2C]	NH,NY,NC,ME,VA,PA,NJ
SW-846 8082A in Water	
Aroclor-1016	CT,NH,NY,NC,ME,VA,PA,NJ
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA,PA,NJ
Aroclor-1221	CT,NH,NY,NC,ME,VA,PA,NJ
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA,PA,NJ
Aroclor-1232	CT,NH,NY,NC,ME,VA,PA,NJ
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA,PA,NJ
Aroclor-1242	CT,NH,NY,NC,ME,VA,PA,NJ
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA,PA,NJ
Aroclor-1248	CT,NH,NY,NC,ME,VA,PA,NJ
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA,PA,NJ
Aroclor-1254	CT,NH,NY,NC,ME,VA,PA,NJ
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA,PA,NJ
Aroclor-1260	CT,NH,NY,NC,ME,VA,PA,NJ
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA,PA,NJ
Aroclor-1262	NH,NY,NC,ME,VA,PA,NJ
Aroclor-1262 [2C]	NH,NY,NC,ME,VA,PA,NJ
Aroclor-1268	NH,NY,NC,ME,VA,PA,NJ
Aroclor-1268 [2C]	NH,NY,NC,ME,VA,PA,NJ
SW-846 8260D in Soil	
Benzene	ME,NY,CT,NC,VA
2-Butanone (MEK)	ME,NY,CT,NC,VA
Carbon Tetrachloride	ME,NY,CT,NC,VA
Chlorobenzene	ME,NY,CT,NC,VA
Chloroform	ME,NY,CT,NC,VA
1,4-Dichlorobenzene	ME,NY,CT,NC,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Soil	
1,2-Dichloroethane	ME,NY,CT,NC,VA
1,1-Dichloroethylene	ME,NY,CT,NC,VA
Tetrachloroethylene	ME,NY,CT,NC,VA
Trichloroethylene	ME,NY,CT,NC,VA
Vinyl Chloride	ME,NY,CT,NC,VA
SW-846 8260D in Water	
Benzene	ME,NY,CT,NC,VA,NJ
2-Butanone (MEK)	ME,NY,CT,NC,VA,NJ
Carbon Tetrachloride	ME,NY,CT,NC,VA,NJ
Chlorobenzene	ME,NY,CT,NC,VA,NJ
Chloroform	ME,NY,CT,NC,VA,NJ
1,4-Dichlorobenzene	ME,NY,CT,NC,VA,NJ
1,2-Dichloroethane	ME,NY,CT,NC,VA,NJ
1,1-Dichloroethylene	ME,NY,CT,NC,VA,NJ
Tetrachloroethylene	ME,NY,CT,NC,VA,NJ
Trichloroethylene	ME,NY,CT,NC,VA,NJ
Vinyl Chloride	ME,NY,CT,NC,VA,NJ
SW-846 8270E in Soil	
1,4-Dichlorobenzene	ME,NC,NH,NY,VA
2,4-Dinitrotoluene	ME,NC,NH,NY,CT,VA
Hexachlorobenzene	ME,NC,NH,NY,CT,VA
Hexachlorobutadiene	ME,NC,NH,NY,CT,VA
Hexachloroethane	ME,NC,NH,NY,CT,VA
2-Methylphenol	ME,NC,NH,NY,CT,VA
3/4-Methylphenol	ME,NC,NH,NY,CT,VA
Nitrobenzene	ME,NC,NH,NY,CT,VA
Pentachlorophenol	ME,NC,NH,NY,CT,VA
Pyridine	ME,NC,NH,NY,CT,VA
2,4,5-Trichlorophenol	ME,NC,NH,NY,CT,VA
2,4,6-Trichlorophenol	ME,NC,NH,NY,CT,VA
2-Fluorophenol	NC
SW-846 8270E in Water	
1,4-Dichlorobenzene	ME,NC,NH,NY,VA
2,4-Dinitrotoluene	ME,NC,NH,CT,NY,VA
Hexachlorobenzene	ME,NC,NH,CT,NY,VA
Hexachlorobutadiene	ME,NC,NH,CT,NY,VA
Hexachloroethane	ME,NC,NH,CT,NY,VA
2-Methylphenol	ME,NC,NH,CT
3/4-Methylphenol	ME,NC,NH,CT
Nitrobenzene	ME,NC,NH,CT,NY,VA
Pentachlorophenol	ME,NC,NH,CT,NY,VA
Pyridine	ME,NC,NH,CT,NY,VA
2,4,5-Trichlorophenol	ME,NC,NH,CT,NY,VA
2,4,6-Trichlorophenol	ME,NC,NH,CT,NY,VA
2-Fluorophenol	NC

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 9014 in Soil	
Cyanide	NY,CT,NC,ME,NH,VA,NJ
SW-846 9045D in Soil	
pH	NY

Pace Analytical Services, LLC - East Longmeadow, Ma, operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2026
NY	New York State Department of Health	10899 NELAP	04/1/2026
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2026
NC	North Carolina Div. of Water Quality	652	12/31/2026
NJ	New Jersey DEP	MA007 NELAP	06/30/2026
ME	State of Maine	MA00100	06/9/2027
VA	Commonwealth of Virginia	460217	09/30/2026
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2026

Pace Analytical®

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CHAIN OF CUSTODY RECORD (New York)

25k1208

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Company Name: NYS DEC
Consultant: HRP Associates Inc.
Consultant Address: Fairchild Square, Clifton Park, NY
Consultant Phone: 518-877-7601
Callout Project Name: Corning Fire Department
Project Location: 71 Corning Boulevard, Corning, NY
Callout Number: 15 5522
Site/Spill Number: 85 1056
Project Manager: Mark Wright
Pace Analytical Quote Name/Number: See Callout
Invoice Recipient: NYSDEC
Sampled By: John Lorman

Requested Turnaround Time
DEC Standard 30-calendar day ☐
Due Date: Standard

Rush (Prior Approval Required)
1-Day ☐ 2-Day ☐ 3-Day ☐
4-Day ☐ 5-Day ☐ 10-Day ☒

Data Delivery
Format: PDF ☒ EXCEL ☐
Other: Standard, no cat B
CLP Like (Level 4) Data Pkg Required: ☐
Email To: Mark.Wright@hrpassociates.com
Johnlorman@hrpassociates.com
Fax To #:

ANALYSIS REQUESTED (Circle Requested Analyses/Reporting List)

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	8260: DER TCL / Oxygenates / CP-51	8270: DER TCL / CP-51	1,4-Dioxane SIM | 8082 PCBs	8081 Pesticide | 8151 Herbicide	TAL Total Metals | TCLP RCRA 8 Metals	TOTAL SOLIDS	TCLP VOCs	TCLP SVOCs	IGNITABILITY	CORROSIVITY / PH	TOTAL SULFIDE/CYANIDE
1	E-1 → HOLD	11/17	1020		X	SOIL	U			X		X	X	X	X	X	X	X
2	~~EXT~~ C-7	11/17	1100		X	S	U			X		X	X	X	X	X	X	X
3	C-1 → HOLD	11/17	1120		X	S	U			X		X	X	X	X	X	X	X
4	B-1 → HOLD	11/17	1140		X	S	U			X		X	X	X	X	X	X	X
5	B-2 → HOLD	11/17	1215		X	S	U			X		X	X	X	X	X	X	X
6	C-2 → HOLD	11/17	1305		X	S	U			X		X	X	X	X	X	X	X
7	B-3	11/17	1330		X	S	U			X		X	X	X	X	X	X	X
8	B-4	11/17	1350		X	S	U			X		X	X	X	X	X	X	X
9	C-3 → HOLD	11/17	1410		X	S	U			X		X	X	X	X	X	X	X
10	C-4	11/17	1420		X	S	U			X		X	X	X	X	X	X	X

# of Containers: I I I I I I
[2] Preservation Code: I H O G G G
[3] Container Code: G P G G G G

Dissolved Metals Samples
Field Filtered ☐
Lab to Filter ☐

Orthophosphate Samples
Field Filtered ☐
Lab to Filter ☐

Comments: PLEASE RUN TCLP SVOCs OFF OF UNUSED SOIL VOLUME COLLECTED FOR ALL SAMPLES.
- Terracore/En Core used for TCLP VOCs
- HOLD analysis for all parameters until total SVOCs, TAL metals analyses completed from L.O.C.P.Z

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

	Date/Time:
Relinquished by: (signature) John Lorman HRP	11/19/25 1125
Received by: (signature) Jaclyn Foley (PACE)	11/19/25 11:25
Relinquished by: (signature) Jaclyn Foley (PACE)	11/19/25 11:25
Received by: (signature) Buffalo Service Center	11/19/25 11:25
Relinquished by: (signature) Russell B Bixby	11-17-25 (631)
Received by: (signature)	11/20 1:00
	11/20 8:45

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☒ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☐ Enhanced Data Package
☒ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:
NELAC and AIHA-LAP, LLC Accredited

Project Entity
☒ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

0.6.0.4, 11, 1.4 0315 11/20/25

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Pace Analytical®
Phone: 413-525-2332
39 Spruce St
East Longmeadow, MA 01028

https://www.pacelabs.com/

CHAIN OF CUSTODY RECORD (New York)

Doc # 380 Rev 1_03242017

25K1208

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name: NYS DEC | Consultant: HRP Associates Inc.
Consultant Address: 1 Fairfield Square, Clifton Park NY
Consultant Phone: 518-877-7101
Callout Project Name: Corning Fire Department
Project Location: 2 CORNING BOULEVARD, CORNING NY
Callout Number: 953522
Site/Spill Number: 851050
Project Manager: MARK WRIGHT
Pace Analytical Quote Name/Number: SEE CALLOUT
Invoice Recipient: NYSDEC
Sampled By: JOHN GORMAN

Requested Turnaround Time
DEC Standard 30-calendar day ☐
Due Date: STANDARD

Rush (Prior Approval Required)
1-Day ☐ 2-Day ☐ 3-Day ☐
4-Day ☐ 5-Day ☐ 10-Day ☑

Data Delivery
Format: PDF ☒ EXCEL ☐
Other: STANDARD. NO CAT B
CLP Like (Level 4) Data Pkg Required: ☐
Email To: MARK.WRIGHT@HRPASSOCIATES.COM
JOHN.GORMAN@HRPASSOCIATES.COM
Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	8260: DER TCL / Oxygenates / CP-51	8270: DER TCL / CP-51	1,4-Dioxane SIM | 8082 PCBs	8081 Pesticide | 8151 Herbicide	TAL Total Metals | CLP RCRA 8 Metals	Total Solids | [illegible]	TCLP VOCs	TCLP SVOCs	IGNITABILITY	CORROSIVITY / PH	TOTAL SULFIDE /CYANIDE
11	D-5	11/17/25	1445		X	S	U			X		X	X	X	X	X	X	X
12	D-4	11/17/25	1500		X	S	U			X		X	X	X	X	X	X	X
13	E-5	11/18/25	0840		X	S	U			X		X	X	X	X	X	X	X
14	E-6	11/18/25	0900		X	S	U			X		X	X	X	X	X	X	X
15	E-4 → see below	11/18/25	0930		X	S	U			X		X	X	X	X	X	X	X
16	E-7	11/18/25	1100		X	S	U			X		X	X	X	X	X	X	X
17	D-6	11/18/25	1140		X	S	U			X		X	X	X	X	X	X	X
18	C-6	11/18/25	1210		X	S	U			X		X	X	X	X	X	X	X
19	B-5	11/18/25	1305		X	S	U			X		X	X	X	X	X	X	X
20	D-3 → see below	11/17/25	1515		X	S	U			X		X	X	X	X	X	X	X

ANALYSIS REQUESTED (Circle Requested Analyses/Reporting List)

# of Containers	10	10								
[2] Preservation Code	I		I	I	I	I	I	I	I	
[3] Container Code	G		G	P	ST	G	G	G	G	

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

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B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:
- Other than samples C-6 and B-5, please run TCLP SVOCs off of unused soil Volume collected
- Hold all analysis until E-4 (0-2in) and E-4 (2-12in) are reported
- Encore used for TCLP VOCs -- Hold all analyses until D-3 (0-2in) and D-3 (2-12in) are reported

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
John Gorman HRP	11/19/25 1125
Received by: (signature)	Date/Time:
Jocelyn Foley (PACE)	11/19/25 11:25
Relinquished by: (signature)	Date/Time:
Jocelyn Foley (PACE)	11/19/25 11:25
Received by: (signature)	Date/Time:
Buffalo Service Center	11/19/25 11:25
Relinquished by: (signature)	Date/Time:
Russell B Bishop	11-A-25/1631
Received by: (signature)	Date/Time:
[illegible]	11/20 3:00

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☑ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☐ Enhanced Data Package
☑ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:

NELAC and AIHA-LAP, LLC Accredited

Project Entity
☒ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

0.6, 0.9, 1.1, 1.4 07UC

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ENV-FRM-ELON-0001 v09_Sample Receiving Checklist

Log In Back-Sheet

Client HRP Associates INC

Project Corning Fire Department

MCP/RCP Required N/A

Deliverable Package Requirement N/A

Location 2 Corning Boulevard, Corning, NY

PWSID# (When Applicable) N/A

Arrival Method:

Courier ☑ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time RL / 11.20.25 / 0345

Back-Sheet By / Date / Time RL / 11-20-25 / 1302

Temperature Method GUN # 7

WV samples: Yes (see note*) / (No) (follow normal procedure)

Temp < 6° C Actual Temperature 0.6, 0.9, 1.1, 1.4

Rush Samples: Yes / (No) Notify

Short Hold: Yes / (No) Notify

Notes regarding Samples/COC outside of SOP:

PH (soil) received out of hold

Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy)
Any False statement will be brought to the attention of the Client – True or False

	True	False
Received on Ice	☑	☐
Received in Cooler	☑	☐
Custody Seal: DATE TIME	☐	☑
COC Relinquished	☑	☐
COC/Samples Labels Agree	☑	☐
All Samples in Good Condition	☑	☐
Samples Received within Holding Time	☑ (RL)	☑
Is there enough Volume	☑	☐
Proper Media/Container Used	☑	☐
Splitting Samples Required	☑	☑ (RL)
MS/MSD	☐	☑
Trip Blanks	☐	☑
Lab to Filters	☐	☑
COC Legible	☑	☐

COC Included: (Check all included)

Client	☑	Analysis	☑	Sampler Name	☑
Project	☐	IDs	☑	Collection Date/Time	☐

All Samples Proper pH:	(N/A)	☐	☐
Samples Chlorinated:	(N/A)	☐	☐

Additional Container Notes

Note: West Virginia requires all samples to have their temperature taken. Note any outliers.

	Soils				Ambers Glass								Plastics															Vials									Other
	16 (oz)	8 (oz)	4 (oz)	2 (oz)	1L			250mL				100 (mL)	Other	1L		500mL		250mL							125 (mL)	80 (mL)	Encore		8oz	Other			VOA 40mL							20mL		
	C / A	C / A	C / A	C / A	Unp.	HCl	H_2SO_4	Unp.	Phos.	HCl	H_2SO_4	Unp.	8oz-BR	Unp.	H_2SO_4	Unp.	H_2SO_4	Unp.	Triz	H_2SO_4	HNO_3	Amm. Ace	NaOH	NaOH+ZnAce	Unp.	Unp.	25g	5g	Unp.	Bag	Bac/ Col	Unp.	HCl	MeOH	DI	$NaHSO_4$	H_2SO_4	Asc. Acid	Unp.	HCl	
1	1	1																							1	1													
2																																							
3																																							
4																																							
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14																																							
15																																							
16			1																																				
17			1																																				
18			1																																				
19	1	1	1																							1	1												
20	1	1																								1	1												

ANALYTICAL REPORT

Lab Number:	L2575495
Client:	Pace New England 39 Spruce St. East Longmeadow, MA 01028
ATTN:	Raymond McCarthy
Phone:	(413) 525-2332
Project Name:	25K1208
Project Number:	25K1208
Report Date:	12/08/25

The original project report/data package is held by Pace Analytical Services. This report/data package is paginated and should be reproduced only in its entirety. Pace Analytical Services holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Project Name: 25K1208
Project Number: 25K1208

Lab Number: L2575495
Report Date: 12/08/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2575495-01	E-1	SOIL	Not Specified	11/17/25 10:20	11/25/25
L2575495-02	C-7	SOIL	Not Specified	11/17/25 11:00	11/25/25
L2575495-03	C-1	SOIL	Not Specified	11/17/25 11:20	11/25/25
L2575495-04	B-1	SOIL	Not Specified	11/17/25 11:40	11/25/25
L2575495-05	B-2	SOIL	Not Specified	11/17/25 12:15	11/25/25
L2575495-06	C-2	SOIL	Not Specified	11/17/25 13:05	11/25/25
L2575495-07	B-3	SOIL	Not Specified	11/17/25 13:30	11/25/25
L2575495-08	B-4	SOIL	Not Specified	11/17/25 13:50	11/25/25
L2575495-09	C-3	SOIL	Not Specified	11/17/25 14:10	11/25/25
L2575495-10	C-4	SOIL	Not Specified	11/17/25 14:20	11/25/25
L2575495-11	D-5	SOIL	Not Specified	11/17/25 14:45	11/25/25
L2575495-12	D-4	SOIL	Not Specified	11/17/25 15:00	11/25/25
L2575495-13	E-5	SOIL	Not Specified	11/17/25 08:40	11/25/25
L2575495-14	E-6	SOIL	Not Specified	11/17/25 09:00	11/25/25
L2575495-15	E-4	SOIL	Not Specified	11/17/25 09:30	11/25/25
L2575495-16	E-7	SOIL	Not Specified	11/17/25 11:00	11/25/25
L2575495-17	D-6	SOIL	Not Specified	11/17/25 11:40	11/25/25
L2575495-18	C-6	SOIL	Not Specified	11/17/25 12:10	11/25/25
L2575495-19	B-5	SOIL	Not Specified	11/17/25 13:05	11/25/25
L2575495-20	D-3	SOIL	Not Specified	11/17/25 15:15	11/25/25

Project Name:	25K1208	**Lab Number:**	L2575495
Project Number:	25K1208	**Report Date:**	12/08/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 25K1208 **Lab Number:** L2575495
Project Number: 25K1208 **Report Date:** 12/08/25

Case Narrative (continued)

Report Submission

December 08, 2025: This final report includes the results of all requested analyses. Additional requests will be reported separately.

December 01, 2025: This is a preliminary report. Please note that your project has contingency samples on hold. Contact your project manager to request additional analyses within 3 business days of receiving this report. Requests made after this time frame will be reported separately.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 12/08/25

METALS

Project Name: 25K1208 **Lab Number:** L2575495

Project Number: 25K1208 **Report Date:** 12/08/25

SAMPLE RESULTS

Lab ID: L2575495-02 Date Collected: 11/17/25 11:00

Client ID: C-7 Date Received: 11/25/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 11/27/25 08:24

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.0190	1	11/29/25 22:13	11/30/25 13:20	EPA 3015	1,6010D	ZPC
Barium, TCLP	0.479	J	mg/l	0.500	0.0210	1	11/29/25 22:13	11/30/25 13:20	EPA 3015	1,6010D	ZPC
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	11/29/25 22:13	11/30/25 13:20	EPA 3015	1,6010D	ZPC
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	11/29/25 22:13	11/30/25 13:20	EPA 3015	1,6010D	ZPC
Lead, TCLP	ND		mg/l	0.500	0.0270	1	11/29/25 22:13	11/30/25 13:20	EPA 3015	1,6010D	ZPC
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	11/29/25 21:34	11/30/25 14:44	EPA 7470A	1,7470A	CME
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	11/29/25 22:13	11/30/25 13:20	EPA 3015	1,6010D	ZPC
Silver, TCLP	ND		mg/l	0.100	0.0280	1	11/29/25 22:13	11/30/25 13:20	EPA 3015	1,6010D	ZPC

Project Name: 25K1208 **Lab Number:** L2575495

Project Number: 25K1208 **Report Date:** 12/08/25

SAMPLE RESULTS

Lab ID: L2575495-07 Date Collected: 11/17/25 13:30

Client ID: B-3 Date Received: 11/25/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 11/27/25 08:24

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	0.0508	J	mg/l	1.00	0.0190	1	11/29/25 22:13	11/30/25 13:35	EPA 3015	1,6010D	ZPC
Barium, TCLP	3.03		mg/l	0.500	0.0210	1	11/29/25 22:13	11/30/25 13:35	EPA 3015	1,6010D	ZPC
Cadmium, TCLP	0.433		mg/l	0.100	0.0100	1	11/29/25 22:13	11/30/25 13:35	EPA 3015	1,6010D	ZPC
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	11/29/25 22:13	11/30/25 13:35	EPA 3015	1,6010D	ZPC
Lead, TCLP	0.907		mg/l	0.500	0.0270	1	11/29/25 22:13	11/30/25 13:35	EPA 3015	1,6010D	ZPC
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	11/29/25 21:34	11/30/25 14:54	EPA 7470A	1,7470A	CME
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	11/29/25 22:13	11/30/25 13:35	EPA 3015	1,6010D	ZPC
Silver, TCLP	ND		mg/l	0.100	0.0280	1	11/29/25 22:13	11/30/25 13:35	EPA 3015	1,6010D	ZPC

Project Name: 25K1208 **Lab Number:** L2575495

Project Number: 25K1208 **Report Date:** 12/08/25

SAMPLE RESULTS

Lab ID: L2575495-08 Date Collected: 11/17/25 13:50

Client ID: B-4 Date Received: 11/25/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 11/27/25 08:24

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.0190	1	11/29/25 22:13	11/30/25 13:42	EPA 3015	1,6010D	ZPC
Barium, TCLP	0.819		mg/l	0.500	0.0210	1	11/29/25 22:13	11/30/25 13:42	EPA 3015	1,6010D	ZPC
Cadmium, TCLP	0.0162	J	mg/l	0.100	0.0100	1	11/29/25 22:13	11/30/25 13:42	EPA 3015	1,6010D	ZPC
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	11/29/25 22:13	11/30/25 13:42	EPA 3015	1,6010D	ZPC
Lead, TCLP	0.0677	J	mg/l	0.500	0.0270	1	11/29/25 22:13	11/30/25 13:42	EPA 3015	1,6010D	ZPC
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	11/29/25 21:34	11/30/25 14:57	EPA 7470A	1,7470A	CME
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	11/29/25 22:13	11/30/25 13:42	EPA 3015	1,6010D	ZPC
Silver, TCLP	ND		mg/l	0.100	0.0280	1	11/29/25 22:13	11/30/25 13:42	EPA 3015	1,6010D	ZPC

Project Name: 25K1208 **Lab Number:** L2575495

Project Number: 25K1208 **Report Date:** 12/08/25

SAMPLE RESULTS

Lab ID: L2575495-10 Date Collected: 11/17/25 14:20

Client ID: C-4 Date Received: 11/25/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 11/27/25 08:24

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.0190	1	11/29/25 22:13	11/30/25 13:45	EPA 3015	1,6010D	ZPC
Barium, TCLP	0.733		mg/l	0.500	0.0210	1	11/29/25 22:13	11/30/25 13:45	EPA 3015	1,6010D	ZPC
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	11/29/25 22:13	11/30/25 13:45	EPA 3015	1,6010D	ZPC
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	11/29/25 22:13	11/30/25 13:45	EPA 3015	1,6010D	ZPC
Lead, TCLP	ND		mg/l	0.500	0.0270	1	11/29/25 22:13	11/30/25 13:45	EPA 3015	1,6010D	ZPC
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	11/29/25 21:34	11/30/25 15:07	EPA 7470A	1,7470A	CME
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	11/29/25 22:13	11/30/25 13:45	EPA 3015	1,6010D	ZPC
Silver, TCLP	ND		mg/l	0.100	0.0280	1	11/29/25 22:13	11/30/25 13:45	EPA 3015	1,6010D	ZPC

Project Name: 25K1208 **Lab Number:** L2575495

Project Number: 25K1208 **Report Date:** 12/08/25

SAMPLE RESULTS

Lab ID: L2575495-11 Date Collected: 11/17/25 14:45

Client ID: D-5 Date Received: 11/25/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 11/27/25 08:24

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.0190	1	11/29/25 22:13	11/30/25 13:47	EPA 3015	1,6010D	ZPC
Barium, TCLP	0.348	J	mg/l	0.500	0.0210	1	11/29/25 22:13	11/30/25 13:47	EPA 3015	1,6010D	ZPC
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	11/29/25 22:13	11/30/25 13:47	EPA 3015	1,6010D	ZPC
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	11/29/25 22:13	11/30/25 13:47	EPA 3015	1,6010D	ZPC
Lead, TCLP	ND		mg/l	0.500	0.0270	1	11/29/25 22:13	11/30/25 13:47	EPA 3015	1,6010D	ZPC
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	11/29/25 21:34	11/30/25 15:10	EPA 7470A	1,7470A	CME
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	11/29/25 22:13	11/30/25 13:47	EPA 3015	1,6010D	ZPC
Silver, TCLP	ND		mg/l	0.100	0.0280	1	11/29/25 22:13	11/30/25 13:47	EPA 3015	1,6010D	ZPC

Project Name: 25K1208 **Lab Number:** L2575495

Project Number: 25K1208 **Report Date:** 12/08/25

SAMPLE RESULTS

Lab ID: L2575495-12 Date Collected: 11/17/25 15:00

Client ID: D-4 Date Received: 11/25/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 11/27/25 08:24

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.0190	1	11/29/25 22:13	11/30/25 13:49	EPA 3015	1,6010D	ZPC
Barium, TCLP	0.718		mg/l	0.500	0.0210	1	11/29/25 22:13	11/30/25 13:49	EPA 3015	1,6010D	ZPC
Cadmium, TCLP	0.0159	J	mg/l	0.100	0.0100	1	11/29/25 22:13	11/30/25 13:49	EPA 3015	1,6010D	ZPC
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	11/29/25 22:13	11/30/25 13:49	EPA 3015	1,6010D	ZPC
Lead, TCLP	0.0444	J	mg/l	0.500	0.0270	1	11/29/25 22:13	11/30/25 13:49	EPA 3015	1,6010D	ZPC
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	11/29/25 21:34	11/30/25 15:14	EPA 7470A	1,7470A	CME
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	11/29/25 22:13	11/30/25 13:49	EPA 3015	1,6010D	ZPC
Silver, TCLP	ND		mg/l	0.100	0.0280	1	11/29/25 22:13	11/30/25 13:49	EPA 3015	1,6010D	ZPC

Project Name: 25K1208 **Lab Number:** L2575495

Project Number: 25K1208 **Report Date:** 12/08/25

SAMPLE RESULTS

Lab ID: L2575495-13 Date Collected: 11/17/25 08:40

Client ID: E-5 Date Received: 11/25/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 11/27/25 08:24

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.0190	1	11/29/25 22:13	11/30/25 13:51	EPA 3015	1,6010D	ZPC
Barium, TCLP	0.678		mg/l	0.500	0.0210	1	11/29/25 22:13	11/30/25 13:51	EPA 3015	1,6010D	ZPC
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	11/29/25 22:13	11/30/25 13:51	EPA 3015	1,6010D	ZPC
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	11/29/25 22:13	11/30/25 13:51	EPA 3015	1,6010D	ZPC
Lead, TCLP	ND		mg/l	0.500	0.0270	1	11/29/25 22:13	11/30/25 13:51	EPA 3015	1,6010D	ZPC
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	11/29/25 21:34	11/30/25 15:17	EPA 7470A	1,7470A	CME
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	11/29/25 22:13	11/30/25 13:51	EPA 3015	1,6010D	ZPC
Silver, TCLP	ND		mg/l	0.100	0.0280	1	11/29/25 22:13	11/30/25 13:51	EPA 3015	1,6010D	ZPC

Project Name: 25K1208 **Lab Number:** L2575495

Project Number: 25K1208 **Report Date:** 12/08/25

SAMPLE RESULTS

Lab ID: L2575495-14 Date Collected: 11/17/25 09:00

Client ID: E-6 Date Received: 11/25/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 11/27/25 08:24

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.0190	1	11/29/25 22:13	11/30/25 13:53	EPA 3015	1,6010D	ZPC
Barium, TCLP	0.372	J	mg/l	0.500	0.0210	1	11/29/25 22:13	11/30/25 13:53	EPA 3015	1,6010D	ZPC
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	11/29/25 22:13	11/30/25 13:53	EPA 3015	1,6010D	ZPC
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	11/29/25 22:13	11/30/25 13:53	EPA 3015	1,6010D	ZPC
Lead, TCLP	ND		mg/l	0.500	0.0270	1	11/29/25 22:13	11/30/25 13:53	EPA 3015	1,6010D	ZPC
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	11/29/25 21:34	11/30/25 15:20	EPA 7470A	1,7470A	CME
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	11/29/25 22:13	11/30/25 13:53	EPA 3015	1,6010D	ZPC
Silver, TCLP	ND		mg/l	0.100	0.0280	1	11/29/25 22:13	11/30/25 13:53	EPA 3015	1,6010D	ZPC

Project Name: 25K1208 **Lab Number:** L2575495

Project Number: 25K1208 **Report Date:** 12/08/25

SAMPLE RESULTS

Lab ID: L2575495-16 Date Collected: 11/17/25 11:00

Client ID: E-7 Date Received: 11/25/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 11/27/25 08:24

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.0190	1	11/29/25 22:13	11/30/25 13:55	EPA 3015	1,6010D	ZPC
Barium, TCLP	0.617		mg/l	0.500	0.0210	1	11/29/25 22:13	11/30/25 13:55	EPA 3015	1,6010D	ZPC
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	11/29/25 22:13	11/30/25 13:55	EPA 3015	1,6010D	ZPC
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	11/29/25 22:13	11/30/25 13:55	EPA 3015	1,6010D	ZPC
Lead, TCLP	0.0351	J	mg/l	0.500	0.0270	1	11/29/25 22:13	11/30/25 13:55	EPA 3015	1,6010D	ZPC
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	11/29/25 21:34	11/30/25 15:24	EPA 7470A	1,7470A	CME
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	11/29/25 22:13	11/30/25 13:55	EPA 3015	1,6010D	ZPC
Silver, TCLP	ND		mg/l	0.100	0.0280	1	11/29/25 22:13	11/30/25 13:55	EPA 3015	1,6010D	ZPC

Project Name: 25K1208 **Lab Number:** L2575495

Project Number: 25K1208 **Report Date:** 12/08/25

SAMPLE RESULTS

Lab ID: L2575495-17 Date Collected: 11/17/25 11:40

Client ID: D-6 Date Received: 11/25/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 11/27/25 08:24

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.0190	1	11/29/25 22:13	11/30/25 13:57	EPA 3015	1,6010D	ZPC
Barium, TCLP	0.546		mg/l	0.500	0.0210	1	11/29/25 22:13	11/30/25 13:57	EPA 3015	1,6010D	ZPC
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	11/29/25 22:13	11/30/25 13:57	EPA 3015	1,6010D	ZPC
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	11/29/25 22:13	11/30/25 13:57	EPA 3015	1,6010D	ZPC
Lead, TCLP	ND		mg/l	0.500	0.0270	1	11/29/25 22:13	11/30/25 13:57	EPA 3015	1,6010D	ZPC
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	11/29/25 21:34	11/30/25 15:27	EPA 7470A	1,7470A	CME
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	11/29/25 22:13	11/30/25 13:57	EPA 3015	1,6010D	ZPC
Silver, TCLP	ND		mg/l	0.100	0.0280	1	11/29/25 22:13	11/30/25 13:57	EPA 3015	1,6010D	ZPC

Project Name: 25K1208 **Lab Number:** L2575495

Project Number: 25K1208 **Report Date:** 12/08/25

SAMPLE RESULTS

Lab ID: L2575495-18 Date Collected: 11/17/25 12:10

Client ID: C-6 Date Received: 11/25/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 11/27/25 08:24

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.0190	1	11/29/25 22:13	11/30/25 14:00	EPA 3015	1,6010D	ZPC
Barium, TCLP	1.23		mg/l	0.500	0.0210	1	11/29/25 22:13	11/30/25 14:00	EPA 3015	1,6010D	ZPC
Cadmium, TCLP	0.0487	J	mg/l	0.100	0.0100	1	11/29/25 22:13	11/30/25 14:00	EPA 3015	1,6010D	ZPC
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	11/29/25 22:13	11/30/25 14:00	EPA 3015	1,6010D	ZPC
Lead, TCLP	0.0986	J	mg/l	0.500	0.0270	1	11/29/25 22:13	11/30/25 14:00	EPA 3015	1,6010D	ZPC
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	11/29/25 21:34	11/30/25 15:30	EPA 7470A	1,7470A	CME
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	11/29/25 22:13	11/30/25 14:00	EPA 3015	1,6010D	ZPC
Silver, TCLP	ND		mg/l	0.100	0.0280	1	11/29/25 22:13	11/30/25 14:00	EPA 3015	1,6010D	ZPC

Project Name: 25K1208 **Lab Number:** L2575495

Project Number: 25K1208 **Report Date:** 12/08/25

SAMPLE RESULTS

Lab ID: L2575495-19 Date Collected: 11/17/25 13:05

Client ID: B-5 Date Received: 11/25/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 11/27/25 08:24

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.0190	1	11/29/25 22:13	11/30/25 14:02	EPA 3015	1,6010D	ZPC
Barium, TCLP	0.458	J	mg/l	0.500	0.0210	1	11/29/25 22:13	11/30/25 14:02	EPA 3015	1,6010D	ZPC
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	11/29/25 22:13	11/30/25 14:02	EPA 3015	1,6010D	ZPC
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	11/29/25 22:13	11/30/25 14:02	EPA 3015	1,6010D	ZPC
Lead, TCLP	ND		mg/l	0.500	0.0270	1	11/29/25 22:13	11/30/25 14:02	EPA 3015	1,6010D	ZPC
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	11/29/25 21:34	11/30/25 15:33	EPA 7470A	1,7470A	CME
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	11/29/25 22:13	11/30/25 14:02	EPA 3015	1,6010D	ZPC
Silver, TCLP	ND		mg/l	0.100	0.0280	1	11/29/25 22:13	11/30/25 14:02	EPA 3015	1,6010D	ZPC

Project Name: 25K1208 **Lab Number:** L2575495

Project Number: 25K1208 **Report Date:** 12/08/25

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 02,07-08,10-14,16-19 Batch: WG2147481-1										
Arsenic, TCLP	ND		mg/l	1.00	0.0190	1	11/29/25 22:13	11/30/25 13:16	1,6010D	ZPC
Barium, TCLP	ND		mg/l	0.500	0.0210	1	11/29/25 22:13	11/30/25 13:16	1,6010D	ZPC
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	11/29/25 22:13	11/30/25 13:16	1,6010D	ZPC
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	11/29/25 22:13	11/30/25 13:16	1,6010D	ZPC
Lead, TCLP	ND		mg/l	0.500	0.0270	1	11/29/25 22:13	11/30/25 13:16	1,6010D	ZPC
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	11/29/25 22:13	11/30/25 13:16	1,6010D	ZPC
Silver, TCLP	ND		mg/l	0.100	0.0280	1	11/29/25 22:13	11/30/25 13:16	1,6010D	ZPC

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 11/27/25 08:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 02,07-08,10-14,16-19 Batch: WG2147483-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	11/29/25 21:34	11/30/25 14:37	1,7470A	CME

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 11/27/25 08:24

Lab Control Sample Analysis
Batch Quality Control

Project Name: 25K1208
Project Number: 25K1208
Lab Number: L2575495
Report Date: 12/08/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02,07-08,10-14,16-19 Batch: WG2147481-2								
Arsenic, TCLP	85		-		75-125	-		20
Barium, TCLP	86		-		75-125	-		20
Cadmium, TCLP	90		-		75-125	-		20
Chromium, TCLP	86		-		75-125	-		20
Lead, TCLP	92		-		75-125	-		20
Selenium, TCLP	85		-		75-125	-		20
Silver, TCLP	85		-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02,07-08,10-14,16-19 Batch: WG2147483-2								
Mercury, TCLP	94		-		80-120	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: 25K1208
Project Number: 25K1208

Lab Number: L2575495
Report Date: 12/08/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02,07-08,10-14,16-19 QC Batch ID: WG2147481-3 QC Sample: L2575495-02 Client ID: C-7												
Arsenic, TCLP	ND	1.2	1.08	90		-	-		75-125	-		
Barium, TCLP	0.479J	20	17.3	86		-	-		75-125	-		
Cadmium, TCLP	ND	0.53	0.476	90		-	-		75-125	-		
Chromium, TCLP	ND	2	1.69	84		-	-		75-125	-		
Lead, TCLP	ND	5.3	4.83	91		-	-		75-125	-		
Selenium, TCLP	ND	1.2	1.04	87		-	-		75-125	-		
Silver, TCLP	ND	0.5	0.414	83		-	-		75-125	-		
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02,07-08,10-14,16-19 QC Batch ID: WG2147483-3 QC Sample: L2575495-02 Client ID: C-7												
Mercury, TCLP	ND	0.025	0.0255	102		-	-		75-125	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: 25K1208
Project Number: 25K1208

Lab Number: L2575495
Report Date: 12/08/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02,07-08,10-14,16-19 QC Batch ID: WG2147481-4 QC Sample: L2575495-02 Client ID: C-7						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Barium, TCLP	0.479J	0.470J	mg/l	NC		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	ND	ND	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02,07-08,10-14,16-19 QC Batch ID: WG2147483-4 QC Sample: L2575495-02 Client ID: C-7						
Mercury, TCLP	ND	ND	mg/l	NC		20

Project Name: 25K1208
Project Number: 25K1208

Lab Number: L2575495
Report Date: 12/08/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2575495-01A	Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		HOLD-CONTINGENCY(14)
L2575495-02A	Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		-
L2575495-02X	Plastic 120ml HNO3 preserved Extracts	NA	NA			Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2575495-02X9	Tumble Vessel	NA	NA			Y	Absent		-
L2575495-03A	Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		HOLD-CONTINGENCY(14)
L2575495-04A	Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		HOLD-CONTINGENCY(14)
L2575495-05A	Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		HOLD-CONTINGENCY(14)
L2575495-06A	Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		HOLD-CONTINGENCY(14)
L2575495-07A	Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		-
L2575495-07X	Plastic 120ml HNO3 preserved Extracts	NA	NA			Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2575495-07X9	Tumble Vessel	NA	NA			Y	Absent		-
L2575495-08A	Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		-
L2575495-08X	Plastic 120ml HNO3 preserved Extracts	NA	NA			Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2575495-08X9	Tumble Vessel	NA	NA			Y	Absent		-
L2575495-09A	Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		HOLD-CONTINGENCY(14)
L2575495-10A	Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		-
L2575495-10X	Plastic 120ml HNO3 preserved Extracts	NA	NA			Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2575495-10X9	Tumble Vessel	NA	NA			Y	Absent		-
L2575495-11A	Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name: 25K1208
Project Number: 25K1208

Lab Number: L2575495
Report Date: 12/08/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2575495-11X	Plastic 120ml HNO3 preserved Extracts	NA	NA			Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2575495-11X9	Tumble Vessel	NA	NA			Y	Absent		-
L2575495-12A	Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		-
L2575495-12X	Plastic 120ml HNO3 preserved Extracts	NA	NA			Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2575495-12X9	Tumble Vessel	NA	NA			Y	Absent		-
L2575495-13A	Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		-
L2575495-13X	Plastic 120ml HNO3 preserved Extracts	NA	NA			Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2575495-13X9	Tumble Vessel	NA	NA			Y	Absent		-
L2575495-14A	Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		-
L2575495-14X	Plastic 120ml HNO3 preserved Extracts	NA	NA			Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2575495-14X9	Tumble Vessel	NA	NA			Y	Absent		-
L2575495-15A	Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		HOLD-CONTINGENCY(14)
L2575495-16A	Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		-
L2575495-16X	Plastic 120ml HNO3 preserved Extracts	NA	NA			Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2575495-16X9	Tumble Vessel	NA	NA			Y	Absent		-
L2575495-17A	Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		-
L2575495-17X	Plastic 120ml HNO3 preserved Extracts	NA	NA			Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2575495-17X9	Tumble Vessel	NA	NA			Y	Absent		-
L2575495-18A	Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		-
L2575495-18X	Plastic 120ml HNO3 preserved Extracts	NA	NA			Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2575495-18X9	Tumble Vessel	NA	NA			Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name: 25K1208
Project Number: 25K1208

Lab Number: L2575495
Report Date: 12/08/25

Container Information

Container ID	*Container Type*	*Cooler*	*Initial pH*	*Final pH*	*Temp deg C*	*Pres*	*Seal*	*Frozen Date/Time*	*Analysis(*)*
L2575495-19A	Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		-
L2575495-19X	Plastic 120ml HNO3 preserved Extracts	NA	NA			Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2575495-19X9	Tumble Vessel	NA	NA			Y	Absent		-
L2575495-20A	Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		HOLD-CONTINGENCY(14)

*Values in parentheses indicate holding time in days

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GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

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Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were

Report Format: DU Report with 'J' Qualifiers

Project Name: 25K1208 **Lab Number:** L2575495

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Data Qualifiers

estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: 25K1208 **Lab Number:** L2575495

Project Number: 25K1208 **Report Date:** 12/08/25

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
MADEP-APH.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, SM4500CL-G, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT.**

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Ca, Cr, Cu, Fe, Pb, Mg, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1: Hg. **EPA 245.7:** Hg.
SM2340B

Certification IDs:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
CT PH-0826, IL 200077, IN C-MA-03, KY kY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
MA M-MA00030, CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 85084, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
ANAB/DoD L2474, LA 245052, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.

ELITE

SUBCONTRACT CHAIN OF CUSTODY

Pace New England

25K1208

L25/5995

ELITE

SENDING LABORATORY:

Pace New England
39 Spruce Street
East Longmeadow, MA 01028
Phone: 413.525.2332
Fax: 413.525.6405
Project Manager: Raymond J. McCarthy

RECEIVING LABORATORY:

Pace Analytical Services - Westborough, MA
8 Walkup Drive
Westborough, MA 01581
Phone :(508) 898-9220
Fax: (508) 898-9193

Project Location: New York

Original Client: NYDEC_HRP Associates - Clifton Park, NY

Analysis	Sample Name	Due	Expires	Comments
Sample ID: 25K1208-01 E-1		**Soil**	**Sampled: 11/17/25 10:20**	
S-HOLD		12/01/25 14:00	12/15/25 10:20	
Containers Supplied:				
2 oz amber glass jar (E)				
Sample ID: 25K1208-02 C-7		**Soil**	**Sampled: 11/17/25 11:00**	
S-1311 TCLP EXT		12/01/25 14:00	12/01/25 11:00	
SG-RCRA 8 6010 TCLP		12/08/25 14:00	11/24/25 11:00	
Containers Supplied:				
2 oz amber glass jar (E)				
Sample ID: 25K1208-03 C-1		**Soil**	**Sampled: 11/17/25 11:20**	
S-HOLD		12/01/25 14:00	12/15/25 11:20	
Containers Supplied:				
2 oz amber glass jar (E)				
Sample ID: 25K1208-04 B-1		**Soil**	**Sampled: 11/17/25 11:40**	
S-HOLD		12/01/25 14:00	12/15/25 11:40	
Containers Supplied:				
2 oz amber glass jar (E)				
Sample ID: 25K1208-05 B-2		**Soil**	**Sampled: 11/17/25 12:15**	
S-HOLD		12/01/25 14:00	12/15/25 12:15	
Containers Supplied:				
2 oz amber glass jar (E)				
Sample ID: 25K1208-06 C-2		**Soil**	**Sampled: 11/17/25 13:05**	
S-HOLD		12/01/25 14:00	12/15/25 13:05	
Containers Supplied:				
2 oz amber glass jar (E)				

Released By	Date	Received By	Date
Released By	11/25 18 Date	Received By	11/25/25-1800 Date

ELITE

SUBCONTRACT CHAIN OF CUSTODY

Pace New England

25K1208

ELITE

Analysis	Sample Name	Due	Expires	Comments
Sample ID: 25K1208-07 B-3		**Soil**	**Sampled: 11/17/25 13:30**	
S-1311 TCLP EXT		12/01/25 14:00	12/01/25 13:30	
SG-RCRA 8 6010 TCLP		12/08/25 14:00	11/24/25 13:30	
Containers Supplied:				
2 oz amber glass jar (E)				
Sample ID: 25K1208-08 B-4		**Soil**	**Sampled: 11/17/25 13:50**	
SG-RCRA 8 6010 TCLP		12/08/25 14:00	11/24/25 13:50	
S-1311 TCLP EXT		12/01/25 14:00	12/01/25 13:50	
Containers Supplied:				
2 oz amber glass jar (E)				
Sample ID: 25K1208-09 C-3		**Soil**	**Sampled: 11/17/25 14:10**	
S-HOLD		12/01/25 14:00	12/15/25 14:10	
Containers Supplied:				
2 oz amber glass jar (E)				
Sample ID: 25K1208-10 C-4		**Soil**	**Sampled: 11/17/25 14:20**	
S-1311 TCLP EXT		12/01/25 14:00	12/01/25 14:20	
SG-RCRA 8 6010 TCLP		12/08/25 14:00	11/24/25 14:20	
Containers Supplied:				
2 oz amber glass jar (E)				
Sample ID: 25K1208-11 D-5		**Soil**	**Sampled: 11/17/25 14:45**	
S-1311 TCLP EXT		12/01/25 14:00	12/01/25 14:45	
SG-RCRA 8 6010 TCLP		12/08/25 14:00	11/24/25 14:45	
Containers Supplied:				
2 oz amber glass jar (E)				
Sample ID: 25K1208-12 D-4		**Soil**	**Sampled: 11/17/25 15:00**	
SG-RCRA 8 6010 TCLP		12/08/25 14:00	11/24/25 15:00	
S-1311 TCLP EXT		12/01/25 14:00	12/01/25 15:00	
Containers Supplied:				
2 oz amber glass jar (E)				
Sample ID: 25K1208-13 E-5		**Soil**	**Sampled: 11/18/25 08:40**	
S-1311 TCLP EXT		12/01/25 14:00	12/02/25 08:40	
SG-RCRA 8 6010 TCLP		12/08/25 14:00	11/25/25 08:40	
Containers Supplied:				
2 oz amber glass jar (E)				

Released By	Date	Received By	Date
11-25-25		11-25 1545	
Released By	Date	Received By	Date
11-25 1815		11/25/25-1800	

ELITE

SUBCONTRACT CHAIN OF CUSTODY

Pace New England

25K1208

ELITE

L2575495

Analysis	Sample Name	Due	Expires	Comments
Sample ID: 25K1208-14 E-6		**Soil**	**Sampled: 11/18/25 09:00**	
S-1311 TCLP EXT		12/01/25 14:00	12/02/25 09:00	
SG-RCRA 8 6010 TCLP		12/08/25 14:00	11/25/25 09:00	
Containers Supplied:				
2 oz amber glass jar (E)				
Sample ID: 25K1208-15 E-4		**Soil**	**Sampled: 11/18/25 09:30**	
S-HOLD		12/01/25 14:00	12/16/25 09:30	
Containers Supplied:				
2 oz amber glass jar (E)				
Sample ID: 25K1208-16 E-7		**Soil**	**Sampled: 11/18/25 11:00**	
S-1311 TCLP EXT		12/01/25 14:00	12/02/25 11:00	
SG-RCRA 8 6010 TCLP		12/08/25 14:00	11/25/25 11:00	
Containers Supplied:				
2 oz amber glass jar (F)				
Sample ID: 25K1208-17 D-6		**Soil**	**Sampled: 11/18/25 11:40**	
SG-RCRA 8 6010 TCLP		12/08/25 14:00	11/25/25 11:40	
S-1311 TCLP EXT		12/01/25 14:00	12/02/25 11:40	
Containers Supplied:				
2 oz amber glass jar (F)				
Sample ID: 25K1208-18 C-6		**Soil**	**Sampled: 11/18/25 12:10**	
SG-RCRA 8 6010 TCLP		12/08/25 14:00	11/25/25 12:10	
S-1311 TCLP EXT		12/01/25 14:00	12/02/25 12:10	
Containers Supplied:				
2 oz amber glass jar (F)				
Sample ID: 25K1208-19 B-5		**Soil**	**Sampled: 11/18/25 13:05**	
SG-RCRA 8 6010 TCLP		12/08/25 14:00	11/25/25 13:05	
S-1311 TCLP EXT		12/01/25 14:00	12/02/25 13:05	
Containers Supplied:				
2 oz amber glass jar (F)				
Sample ID: 25K1208-20 D-3		**Soil**	**Sampled: 11/17/25 15:15**	
S-HOLD		12/01/25 14:00	12/15/25 15:15	
Containers Supplied:				
2 oz amber glass jar (E)				

Released By	Date	Received By	Date
	11-25-25		11-25 1545
Released By	Date	Received By	Date
	11-25 18		11/25/25-1800

Pace Analytical®
Phone: 413-525-2332
39 Spruce St
East Longmeadow, MA 01028

https://www.pacelabs.com/

Doc # 380 Rev 1_03242017

CHAIN OF CUSTODY RECORD (New York)

25k1208

L2575495

Page 3 of 46

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name: NYS DEC
Consultant: HRP Associates Inc.
Consultant Address: Fairchild Square, Clifton Park, NY
Consultant Phone: 518-877-7601
Callout Project Name: Corning Fire Department
Project Location: Corning Boulevard, Corning, NY
Callout Number: 153522
Site/Spill Number: 851056
Project Manager: Mark Wright
Pace Analytical Quote Name/Number: See Callout
Invoice Recipient: NYSDEC
Sampled By: John Foreman

Requested Turnaround Time
DEC Standard 30-calendar day ☐
Due Date: Standard

Rush (Prior Approval Required)
1-Day ☐ 2-Day ☐ 3-Day ☐
4-Day ☐ 5-Day ☐ 10-Day ☒

Data Delivery
Format: PDF ☒ EXCEL ☐
Other: Standard, no cat B
CLP Like (Level 4) Data Pkg Required: ☐
Email To: Mark.Wright@hrpassociates.com
John.Foreman@hrpassociates.com
Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	E-1 → HOLD	11/17	1020		X	SOIL	U
2	~~B-1~~ C-7	11/17	1100		X	S	U
3	C-1 → HOLD	11/17	1120		X	S	U
4	B-1 → HOLD	11/17	1140		X	S	U
5	B-2 → HOLD	11/17	1215		X	S	U
6	C-2 → HOLD	11/17	1305		X	S	U
7	B-3	11/17	1330		X	S	U
8	B-4	11/17	1350		X	S	U
9	C-3 → HOLD	11/17	1410		X	S	U
10	C-4	11/17	1420		X	S	U

ANALYSIS REQUESTED (Circle Requested Analyses/Reporting Use)

# of Containers			T			I	H	H	I	I	I		
Preservation Code			G			P	O	G	G	G	G		
Container Code													
	8260: DER TCL / Oxygenates / CP-51	8270: DER TCL / CP-51	1,4-Dioxane SIM	8081 Pesticide / 8151 Herbicide	TAL Total Metals (TCLP RCRA 8 Metals)	TOTAL SOLIDS	TCLP VOCs	TCLP SVOCs	IGNITABILITY	CORROSIVITY / PH	TOTAL SULFIDE/CYANIDE		
1			X		X	X	X	X	X	X	X		
2			X		X	X	X	X	X	X	X		
3			X		X	X	X	X	X	X	X		
4			X		X	X	X	X	X	X	X		
5			X		X	X	X	X	X	X	X		
6			X		X	X	X	X	X	X	X		
7			X		X	X	X	X	X	X	X		
8			X		X	X	X	X	X	X	X		
9			X		X	X	X	X	X	X	X		
10			X		X	X	X	X	X	X	X		

Discrete Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments: PLEASE RUN TCLP SVOCs OFF OF UNUSED SOIL VOLUME COLLECTED FOR ALL SAMPLES
- Terracore/En Core used for TCLP VOCs
- HOLD analysis for all parameters until total SVOCs, TAL metals analyses completed from L.O.C PZ

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
John Foreman HRP	11/19/25 1125
Received by: (signature) Jaclyn Hoxy (PACE)	Date/Time: 11/19/25 11:25
Relinquished by: (signature) Jaclyn Hoxy (PACE)	Date/Time: 11/19/25 11:25
Received by: (signature) Buffalo Service Center	Date/Time: 11/19/25 11:25
Relinquished by: (signature) Russell B Bibby	Date/Time: 11-17-25 1631
Received by: (signature)	Date/Time: 11/20 1:30

Program / Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☒ NY Restricted Use
☒ NY Unrestricted Use
☐ NY Part 375

Deliverables
☐ Enhanced Data Package
☒ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD

Other
NELAC and AIHA-LAP, LLC Accredited

Project Entity
☒ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

06.04.11.1.0 0215 11/20/25

L2575495

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39 Spruce St
East Longmeadow, MA 01028

https://www.pacelabs.com/

Doc # 380 Rev 1_03242017

CHAIN OF CUSTODY RECORD (New York)

25K1208

Page 4 of 16

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name: NYS DEC | Consultant: HRP Associates Inc.

Consultant Address: [illegible] Fairfield Square, Clifton Park NY

Consultant Phone: 518-877-7101

Callout Project Name: Corning Fire Department

Project Location: 2 CORNING BOULEVARD, CORNING NY

Callout Number: 953522

Site/Spill Number: 851050

Project Manager: MARK WRIGHT

Pace Analytical Quote Name/Number: SEE CALLOUT

Invoice Recipient: NYSDEC

Sampled By: JOHN GORMAN

Requested Turnaround Time

DEC Standard 30-calendar day ☐

Due Date: STANDARD

Rush (Prior Approval Required)

1-Day ☐ 2-Day ☐ 3-Day ☐

4-Day ☐ 5-Day ☐ 10-Day ☑

Data Delivery

Format: PDF ☒ EXCEL ☐

Other: STANDARD, NO CAT B

CLP Like (Level 4) Data Pkg Required: ☐

Email To: MARK.WRIGHT@HRPASSOCIATES.COM, JOHN.GORMAN@HRPASSOCIATES.COM

Fax To #:

ANALYSIS REQUESTED (Circle Requested Analyses/Reporting List)

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	8260: DER TCL / Oxygenates / CP-51	8270: DER TCL / CP-51	1,4-Dioxane SIM	8081 Pesticide	8082 PCBs	8151 Herbicide	TAL Total Metals	CLP RCRA 8 Metals	[illegible]	TCLP VOCs	TCLP SVOCs	IGNITABILITY	CORROSIVITY / PH	TOTAL SULFIDE /CYANIDE
11	D-5	11/17/25	1445		X	S	U			X				X	X	X	X	X	X	X	X
12	D-4	11/17/25	1500		X	S	U			X				X	X	X	X	X	X	X	X
13	E-5	11/18/25	0840		X	S	U			X				X	X	X	X	X	X	X	X
14	E-6	11/18/25	0900		X	S	U			X				X	X	X	X	X	X	X	X
15	E-4 → See below	11/18/25	0930		X	S	U			X				X	X	X	X	X	X	X	X
16	E-7	11/18/25	1100		X	S	U			X				X	X	X	X	X	X	X	X
17	D-6	11/18/25	1140		X	S	U			X				X	X	X	X	X	X	X	X
18	C-6	11/18/25	1210		X	S	U			X				X	X	X	X	X	X	X	X
19	B-5	11/18/25	1305		X	S	U			X				X	X	X	X	X	X	X	X
20	D-3 → See below	11/17/25	1515		X	S	U			X				X	X	X	X	X	X	X	X

# of Containers

[2] Preservation Code: I I H I I D H H I H I

[3] Container Code: G G P P G G G G G G G

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

Comments: Other than samples C-6 and B-5, please run TCLP SVOCs off of unused soil Volume collected
- Hold all analysis until E-4 (0-2in) and E-4 (2-12in) are reported
- Encore used for TCLP VOCs - Hold all analyses until D-3 (0-2in) and D-3 (2-12in) are reported

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

	Date/Time:
Relinquished by: (signature) John Gorman HRP	11/19/25 1125
Received by: (signature) Fedex Fedex (PACE)	11/19/25 11:25
Relinquished by: (signature) Fedex Fedex (PACE)	11/19/25 11:25
Received by: (signature) Buffalo Service Center	11/19/25 11:25
Relinquished by: (signature) Russell B Bailey	11-19-25/16:31
Received by: (signature) [illegible]	11/20 1:00

Program & Regulatory Information

☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☑ NY Unrestricted Use
☐ NY Part 375

Other:

Deliverables

☐ Enhanced Data Package
☑ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD

Other: NELAC and AIHA-LAP, LLC Accredited

Project Entity

☒ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP, LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

0.6, 0.9, 1.5, 1.1 OTLC

Sample Delivery Group Summary

Pace Job Number : L2575495

Received : 25-NOV-2025
Reviewer : Richard Scott

Account Name : Pace New England
Project Number : 25K1208
Project Name : 25K1208

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	4.6	

Condition Information

1) All samples on COC received?	YES
2) Extra samples received?	NO
3) Are there any sample container discrepancies?	NO
4) Are there any discrepancies between COC & sample labels?	NO
5) Are samples in appropriate containers for requested analysis?	YES
6) Are samples properly preserved for requested analysis?	YES
7) Are samples within holding time for requested analysis?	YES
8) All sampling equipment returned?	NA

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	NA

575 Broad Hollow Road
Melville, NY 11747
516-370-6000

January 09, 2026

Raymond McCarthy
Pace New England
39 Spruce St.
East Longmeadow, MA 01028

RE: Project: 25K1208
Pace Project No.: 70393827

Dear Raymond McCarthy:

Enclosed are the analytical results for sample(s) received by the laboratory on November 26, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:
- Pace Analytical Services - Melville

Revision 1: Report re-issued on January 7th 2025 to update Dry Weight as per client request.

Revision 2: Report re-issued on January 9th 2025 to update sample 15 as per client request.

Revision 3: Report re-issued on January 9th 2025 to update report to MDL as per client request.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Alexandria Correa

Alexandria Correa
alexandria.correa@pacelabs.com
516-370-6000
Project Manager

Enclosures

cc: Robby Cavers, Pace New England
Lisa Worthington
elon reports, Pace Analytical Services - New England

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Melville, NY 11747
516-370-6000

CERTIFICATIONS

Project: 25K1208
Pace Project No.: 70393827

Pace Analytical Services, LLC - Melville, NY

575 Broad Hollow Rd, Melville, NY 11747
Connecticut Certification #: PH-0435
Delaware Certification # NY 10478
Maryland Certification #: 208
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987
New Jersey Certification #: NY158
New York Certification #: 10478 Primary Accrediting Body
Pennsylvania Certification #: 68-00350
Rhode Island Certification #: LAO00340
Texas Certification #: T104704582
Florida Certification #: E871198

REPORT OF LABORATORY ANALYSIS

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Melville, NY 11747
516-370-6000

SAMPLE SUMMARY

Project: 25K1208
Pace Project No.: 70393827

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70393827002	**C-7**	Solid	11/17/25 11:00	11/26/25 08:00
70393827007	**B-3**	Solid	11/17/25 13:30	11/26/25 08:00
70393827008	**B-4**	Solid	11/17/25 13:50	11/26/25 08:00
70393827010	**C-4**	Solid	11/17/25 14:20	11/26/25 08:00
70393827011	**D-5**	Solid	11/17/25 14:45	11/26/25 08:00
70393827012	**D-4**	Solid	11/17/25 15:00	11/26/25 08:00
70393827013	**E-5**	Solid	11/18/25 08:40	11/26/25 08:00
70393827014	**E-6**	Solid	11/18/25 09:00	11/26/25 08:00
70393827016	**E-7**	Solid	11/18/25 11:00	11/26/25 08:00
70393827017	**D-6**	Solid	11/18/25 11:40	11/26/25 08:00
70393827018	**C-6**	Solid	11/18/25 12:10	11/26/25 08:00
70393827019	**B-5**	Solid	11/18/25 13:05	11/26/25 08:00

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SAMPLE ANALYTE COUNT

Project: 25K1208
Pace Project No.: 70393827

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70393827002	**C-7**	ASTM D2216-05M	NAA	1
		EPA 9034	NAA	1
70393827007	**B-3**	ASTM D2216-05M	NAA	1
		EPA 9034	NAA	1
70393827008	**B-4**	ASTM D2216-05M	NAA	1
		EPA 9034	NAA	1
70393827010	**C-4**	ASTM D2216-05M	NAA	1
		EPA 9034	NAA	1
70393827011	**D-5**	ASTM D2216-05M	NAA	1
		EPA 9034	NAA	1
70393827012	**D-4**	ASTM D2216-05M	NAA	1
		EPA 9034	NAA	1
70393827013	**E-5**	ASTM D2216-05M	NAA	1
		EPA 9034	NAA	1
70393827014	**E-6**	ASTM D2216-05M	NAA	1
		EPA 9034	NAA	1
70393827016	**E-7**	ASTM D2216-05M	NAA	1
		EPA 9034	NAA	1
70393827017	**D-6**	ASTM D2216-05M	NAA	1
		EPA 9034	NAA	1
70393827018	**C-6**	ASTM D2216-05M	NAA	1
		EPA 9034	NAA	1
70393827019	**B-5**	ASTM D2216-05M	NAA	1
		EPA 9034	NAA	1

PACE-MV = Pace Analytical Services - Melville

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Melville, NY 11747
516-370-6000

PROJECT NARRATIVE

Project: 25K1208
Pace Project No.: 70393827

Method: **EPA 9034**
Description: 9034 Sulfide
Client: Pace Analytical Services - New England
Date: January 09, 2026

General Information:
12 samples were analyzed for EPA 9034 by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

H3: Sample was received or analysis requested beyond the recognized method holding time.
- B-3 (Lab ID: 70393827007)
- B-4 (Lab ID: 70393827008)
- B-5 (Lab ID: 70393827019)
- C-4 (Lab ID: 70393827010)
- C-6 (Lab ID: 70393827018)
- C-7 (Lab ID: 70393827002)
- D-4 (Lab ID: 70393827012)
- D-5 (Lab ID: 70393827011)
- D-6 (Lab ID: 70393827017)
- E-5 (Lab ID: 70393827013)
- E-6 (Lab ID: 70393827014)
- E-7 (Lab ID: 70393827016)

Sample Preparation:
The samples were prepared in accordance with EPA 9030B with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: 25K1208
Pace Project No.: 70393827

Sample: C-7 **Lab ID: 70393827002** Collected: 11/17/25 11:00 Received: 11/26/25 08:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2216-05M Pace Analytical Services - Melville								
Percent Moisture	**16.0**	%	0.10	0.10	1		12/04/25 05:55		
9034 Sulfide	Analytical Method: EPA 9034 Preparation Method: EPA 9030B Pace Analytical Services - Melville								
Sulfide	**<56.5**	mg/kg	56.5	4.7	1	12/04/25 04:06	12/04/25 08:46		H3

REPORT OF LABORATORY ANALYSIS

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575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: 25K1208
Pace Project No.: 70393827

Sample: B-3 **Lab ID: 70393827007** Collected: 11/17/25 13:30 Received: 11/26/25 08:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2216-05M Pace Analytical Services - Melville								
Percent Moisture	**12.6**	%	0.10	0.10	1		12/04/25 05:57		
9034 Sulfide	Analytical Method: EPA 9034 Preparation Method: EPA 9030B Pace Analytical Services - Melville								
Sulfide	**<55.5**	mg/kg	55.5	4.6	1	12/04/25 04:06	12/04/25 08:50		H3

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516-370-6000

ANALYTICAL RESULTS

Project: 25K1208
Pace Project No.: 70393827

Sample: B-4 **Lab ID: 70393827008** Collected: 11/17/25 13:50 Received: 11/26/25 08:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2216-05M Pace Analytical Services - Melville								
Percent Moisture	**19.1**	%	0.10	0.10	1		12/04/25 05:58		
9034 Sulfide	Analytical Method: EPA 9034 Preparation Method: EPA 9030B Pace Analytical Services - Melville								
Sulfide	**<61.2**	mg/kg	61.2	5.1	1	12/04/25 04:06	12/04/25 08:55		H3

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ANALYTICAL RESULTS

Project: 25K1208
Pace Project No.: 70393827

Sample: C-4 **Lab ID: 70393827010** Collected: 11/17/25 14:20 Received: 11/26/25 08:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2216-05M Pace Analytical Services - Melville								
Percent Moisture	**18.4**	%	0.10	0.10	1		12/04/25 06:00		
9034 Sulfide	Analytical Method: EPA 9034 Preparation Method: EPA 9030B Pace Analytical Services - Melville								
Sulfide	**<56.7**	mg/kg	56.7	4.7	1	12/04/25 04:06	12/04/25 08:59		H3

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ANALYTICAL RESULTS

Project: 25K1208
Pace Project No.: 70393827

Sample: D-5 **Lab ID: 70393827011** Collected: 11/17/25 14:45 Received: 11/26/25 08:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2216-05M Pace Analytical Services - Melville								
Percent Moisture	**35.2**	%	0.10	0.10	1		12/04/25 06:00		
9034 Sulfide	Analytical Method: EPA 9034 Preparation Method: EPA 9030B Pace Analytical Services - Melville								
Sulfide	**<76.3**	mg/kg	76.3	6.3	1	12/04/25 04:06	12/04/25 09:02		H3

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ANALYTICAL RESULTS

Project: 25K1208
Pace Project No.: 70393827

Sample: D-4 **Lab ID: 70393827012** Collected: 11/17/25 15:00 Received: 11/26/25 08:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2216-05M Pace Analytical Services - Melville								
Percent Moisture	**32.5**	%	0.10	0.10	1		12/04/25 06:01		
9034 Sulfide	Analytical Method: EPA 9034 Preparation Method: EPA 9030B Pace Analytical Services - Melville								
Sulfide	**110**	mg/kg	68.9	5.7	1	12/04/25 04:06	12/04/25 09:07		H3

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ANALYTICAL RESULTS

Project: 25K1208
Pace Project No.: 70393827

Sample: E-5 **Lab ID: 70393827013** Collected: 11/18/25 08:40 Received: 11/26/25 08:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2216-05M Pace Analytical Services - Melville								
Percent Moisture	**14.2**	%	0.10	0.10	1		12/05/25 05:44		
9034 Sulfide	Analytical Method: EPA 9034 Preparation Method: EPA 9030B Pace Analytical Services - Melville								
Sulfide	**178**	mg/kg	55.7	4.6	1	12/04/25 04:06	12/04/25 09:10		H3

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ANALYTICAL RESULTS

Project: 25K1208
Pace Project No.: 70393827

Sample: E-6 **Lab ID: 70393827014** Collected: 11/18/25 09:00 Received: 11/26/25 08:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2216-05M Pace Analytical Services - Melville								
Percent Moisture	**24.4**	%	0.10	0.10	1		12/05/25 05:44		
9034 Sulfide	Analytical Method: EPA 9034 Preparation Method: EPA 9030B Pace Analytical Services - Melville								
Sulfide	**<60.7**	mg/kg	60.7	5.1	1	12/04/25 04:06	12/04/25 09:15		H3

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ANALYTICAL RESULTS

Project: 25K1208
Pace Project No.: 70393827

Sample: E-7 **Lab ID: 70393827016** Collected: 11/18/25 11:00 Received: 11/26/25 08:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2216-05M Pace Analytical Services - Melville								
Percent Moisture	**20.2**	%	0.10	0.10	1		12/05/25 05:46		
9034 Sulfide	Analytical Method: EPA 9034 Preparation Method: EPA 9030B Pace Analytical Services - Melville								
Sulfide	**95.7**	mg/kg	59.8	5.0	1	12/04/25 04:06	12/04/25 09:24		H3

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ANALYTICAL RESULTS

Project: 25K1208
Pace Project No.: 70393827

Sample: D-6 **Lab ID: 70393827017** Collected: 11/18/25 11:40 Received: 11/26/25 08:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2216-05M Pace Analytical Services - Melville								
Percent Moisture	**20.8**	%	0.10	0.10	1		12/05/25 05:46		
9034 Sulfide	Analytical Method: EPA 9034 Preparation Method: EPA 9030B Pace Analytical Services - Melville								
Sulfide	**<59.1**	mg/kg	59.1	4.9	1	12/04/25 04:06	12/04/25 09:29		H3

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ANALYTICAL RESULTS

Project: 25K1208
Pace Project No.: 70393827

Sample: C-6 **Lab ID: 70393827018** Collected: 11/18/25 12:10 Received: 11/26/25 08:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2216-05M Pace Analytical Services - Melville								
Percent Moisture	**16.2**	%	0.10	0.10	1		12/05/25 05:47		
9034 Sulfide	Analytical Method: EPA 9034 Preparation Method: EPA 9030B Pace Analytical Services - Melville								
Sulfide	**<55.0**	mg/kg	55.0	4.6	1	12/04/25 04:06	12/04/25 09:33		H3

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ANALYTICAL RESULTS

Project: 25K1208
Pace Project No.: 70393827

Sample: B-5 **Lab ID: 70393827019** Collected: 11/18/25 13:05 Received: 11/26/25 08:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2216-05M Pace Analytical Services - Melville								
Percent Moisture	**10.4**	%	0.10	0.10	1		12/05/25 05:47		
9034 Sulfide	Analytical Method: EPA 9034 Preparation Method: EPA 9030B Pace Analytical Services - Melville								
Sulfide	**<55.7**	mg/kg	55.7	4.6	1	12/04/25 04:06	12/04/25 09:37		H3

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QUALITY CONTROL DATA

Project: 25K1208
Pace Project No.: 70393827

QC Batch: 431045
QC Batch Method: ASTM D2216-05M
Analysis Method: ASTM D2216-05M
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70393827002, 70393827007, 70393827008, 70393827010, 70393827011, 70393827012

SAMPLE DUPLICATE: 2307234

Parameter	Units	70393827007 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	12.6	12.8	2	20	

SAMPLE DUPLICATE: 2307235

Parameter	Units	70393827008 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	19.1	18.5	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: 25K1208
Pace Project No.: 70393827

QC Batch: 431243
QC Batch Method: ASTM D2216-05M
Analysis Method: ASTM D2216-05M
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70393827013, 70393827014, 70393827016, 70393827017, 70393827018, 70393827019

SAMPLE DUPLICATE: 2308376

Parameter	Units	70393827014 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	24.4	23.5	4	20	

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QUALITY CONTROL DATA

Project: 25K1208
Pace Project No.: 70393827

QC Batch: 431043
QC Batch Method: EPA 9030B
Analysis Method: EPA 9034
Analysis Description: 9034 Sulfide Solid
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70393827002, 70393827007, 70393827008, 70393827010, 70393827011, 70393827012, 70393827013, 70393827014, 70393827016, 70393827017, 70393827018, 70393827019

METHOD BLANK: 2307229 Matrix: Solid
Associated Lab Samples: 70393827002, 70393827007, 70393827008, 70393827010, 70393827011, 70393827012, 70393827013, 70393827014, 70393827016, 70393827017, 70393827018, 70393827019

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/kg	<50.0	50.0	4.2	12/04/25 08:35	

LABORATORY CONTROL SAMPLE & LCSD: 2307230 2307231

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Sulfide	mg/kg	2800	2720	2870	97	103	80-120	6	20	

SAMPLE DUPLICATE: 2307232

Parameter	Units	70393827019 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide	mg/kg	<55.7	<55.4		20	H3

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QUALIFIERS

Project: 25K1208
Pace Project No.: 70393827

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 25K1208
Pace Project No.: 70393827

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70393827002	**C-7**	ASTM D2216-05M	431045		
70393827007	**B-3**	ASTM D2216-05M	431045		
70393827008	**B-4**	ASTM D2216-05M	431045		
70393827010	**C-4**	ASTM D2216-05M	431045		
70393827011	**D-5**	ASTM D2216-05M	431045		
70393827012	**D-4**	ASTM D2216-05M	431045		
70393827013	**E-5**	ASTM D2216-05M	431243		
70393827014	**E-6**	ASTM D2216-05M	431243		
70393827016	**E-7**	ASTM D2216-05M	431243		
70393827017	**D-6**	ASTM D2216-05M	431243		
70393827018	**C-6**	ASTM D2216-05M	431243		
70393827019	**B-5**	ASTM D2216-05M	431243		
70393827002	**C-7**	EPA 9030B	431043	EPA 9034	431053
70393827007	**B-3**	EPA 9030B	431043	EPA 9034	431053
70393827008	**B-4**	EPA 9030B	431043	EPA 9034	431053
70393827010	**C-4**	EPA 9030B	431043	EPA 9034	431053
70393827011	**D-5**	EPA 9030B	431043	EPA 9034	431053
70393827012	**D-4**	EPA 9030B	431043	EPA 9034	431053
70393827013	**E-5**	EPA 9030B	431043	EPA 9034	431053
70393827014	**E-6**	EPA 9030B	431043	EPA 9034	431053
70393827016	**E-7**	EPA 9030B	431043	EPA 9034	431053
70393827017	**D-6**	EPA 9030B	431043	EPA 9034	431053
70393827018	**C-6**	EPA 9030B	431043	EPA 9034	431053
70393827019	**B-5**	EPA 9030B	431043	EPA 9034	431053

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SUBCONTRACT CHAIN OF CUSTODY

WO# : 70393827

70393827

Pace New England

25K1208

Pace New England
39 Spruce Street
East Longmeadow, MA 01028
Phone: 413.525.2332
Fax: 413.525.6405
Project Manager: Raymond J. McCarthy

RECEIVING LABORATORY:

Pace Analytical Services - Long Island, NY
575 Broad Hollow Road
Melville, NY 11747
Phone :(516) 370-6000
Fax: -

Project Location: New York

Original Client: NYDEC_HRP Associates - Clifton Park, NY

Analysis	Sample Name	Due	Expires	Comments
Sample ID: 25K1208-01 E-1		**Soil**	**Sampled: 11/17/25 10:20**	
S-Miscellaneous 1		12/01/25 14:00	12/01/25 10:20	Hold Sample
Containers Supplied:				
8 oz amber glass jar (B)				
Sample ID: 25K1208-02 C-7		**Soil**	**Sampled: 11/17/25 11:00**	
S-Sulfide by SW-846 9030		12/08/25 14:00	11/24/25 11:00	
Containers Supplied:				
8 oz amber glass jar (B)				
Sample ID: 25K1208-03 C-1		**Soil**	**Sampled: 11/17/25 11:20**	
S-Miscellaneous 1		12/01/25 14:00	12/01/25 11:20	Hold Sample
Containers Supplied:				
8 oz amber glass jar (B)				
Sample ID: 25K1208-04 B-1		**Soil**	**Sampled: 11/17/25 11:40**	
S-Miscellaneous 1		12/01/25 14:00	12/01/25 11:40	Hold Sample
Containers Supplied:				
8 oz amber glass jar (B)				
Sample ID: 25K1208-05 B-2		**Soil**	**Sampled: 11/17/25 12:15**	
S-Miscellaneous 1		12/01/25 14:00	12/01/25 12:15	Hold Sample
Containers Supplied:				
8 oz amber glass jar (B)				
Sample ID: 25K1208-06 C-2		**Soil**	**Sampled: 11/17/25 13:05**	
S-Miscellaneous 1		12/01/25 14:00	12/01/25 13:05	Hold Sample
Containers Supplied:				
8 oz amber glass jar (B)				

Released By	Date	Received By	Date
[illegible]	11-25-25	[illegible] 11/25	1930
[illegible] 11/25	2230	[illegible] - 11/26	2345
[illegible] - 11/26	0200	[illegible] RLL	11/26/25 801

WO#: 70393827

PM: ALC Due Date: 12/12/25

CLIENT: Pace-CON

BCONTRACT CHAIN OF CUSTODY

Pace New England

25K1208

	Due	Expires	Comments
Sample ID: 25K1208-07 B-3	**Soil**	**Sampled: 11/17/25 13:30**	
S-Sulfide by SW-846 9030	12/08/25 14:00	11/24/25 13:30	
Containers Supplied:			
8 oz amber glass jar (B)			
Sample ID: 25K1208-08 B-4	**Soil**	**Sampled: 11/17/25 13:50**	
S-Sulfide by SW-846 9030	12/08/25 14:00	11/24/25 13:50	
Containers Supplied:			
8 oz amber glass jar (B)			
Sample ID: 25K1208-09 C-3	**Soil**	**Sampled: 11/17/25 14:10**	
S-Miscellaneous 1	12/01/25 14:00	12/01/25 14:10	Hold Sample
Containers Supplied:			
8 oz amber glass jar (B)			
Sample ID: 25K1208-10 C-4	**Soil**	**Sampled: 11/17/25 14:20**	
S-Sulfide by SW-846 9030	12/08/25 14:00	11/24/25 14:20	
Containers Supplied:			
8 oz amber glass jar (B)			
Sample ID: 25K1208-11 D-5	**Soil**	**Sampled: 11/17/25 14:45**	
S-Sulfide by SW-846 9030	12/08/25 14:00	11/24/25 14:45	
Containers Supplied:			
8 oz amber glass jar (B)			
Sample ID: 25K1208-12 D-4	**Soil**	**Sampled: 11/17/25 15:00**	
S-Sulfide by SW-846 9030	12/08/25 14:00	11/24/25 15:00	
Containers Supplied:			
8 oz amber glass jar (B)			
Sample ID: 25K1208-13 E-5	**Soil**	**Sampled: 11/18/25 08:40**	
S-Sulfide by SW-846 9030	12/08/25 14:00	11/25/25 08:40	
Containers Supplied:			
8 oz amber glass jar (B)			
Sample ID: 25K1208-14 E-6	**Soil**	**Sampled: 11/18/25 09:00**	
S-Sulfide by SW-846 9030	12/08/25 14:00	11/25/25 09:00	
Containers Supplied:			
8 oz amber glass jar (B)			

Released By	Date	Received By	Date
[signature]	11-25-25	[signature] 11/25	9:30
[signature] 11/25	22	[signature] 11/26	2:45
[signature] 11/26	8:00	[signature] 11/26/25	8:00

SUBCONTRACT CHAIN OF CUSTODY

Pace New England

25K1208

Analysis	Sample Name	Due	Expires	Comments
Sample ID: 25K1208-15 E-4		**Soil**	**Sampled: 11/18/25 09:30**	
S-Miscellaneous 1		12/01/25 14:00	12/02/25 09:30	Hold Sample
Containers Supplied:				
8 oz amber glass jar (B)				
Sample ID: 25K1208-16 E-7		**Soil**	**Sampled: 11/18/25 11:00**	
S-Sulfide by SW-846 9030		12/08/25 14:00	11/25/25 11:00	
Containers Supplied:				
8 oz amber glass jar (B)				
Sample ID: 25K1208-17 D-6		**Soil**	**Sampled: 11/18/25 11:40**	
S-Sulfide by SW-846 9030		12/08/25 14:00	11/25/25 11:40	
Containers Supplied:				
8 oz amber glass jar (B)				
Sample ID: 25K1208-18 C-6		**Soil**	**Sampled: 11/18/25 12:10**	
S-Sulfide by SW-846 9030		12/08/25 14:00	11/25/25 12:10	
Containers Supplied:				
8 oz amber glass jar (B)				
Sample ID: 25K1208-19 B-5		**Soil**	**Sampled: 11/18/25 13:05**	
S-Sulfide by SW-846 9030		12/08/25 14:00	11/25/25 13:05	
Containers Supplied:				
8 oz amber glass jar (B)				
Sample ID: 25K1208-20 D-3		**Soil**	**Sampled: 11/17/25 15:15**	
S-Miscellaneous 1		12/01/25 14:00	12/01/25 15:15	Hold Sample
Containers Supplied:				
8 oz amber glass jar (B)				

Released By	Date	Received By	Date
[illegible]	11-25-25	[illegible]	11/17 19:30
[illegible]	11/25 22:30	[illegible]	11/26 2:45
[illegible]	11/26 8:00	[illegible]	11/26/25 8:00

DC#_Title: ENV-FRM-MELV-0024 v07_SCUR
Effective Date: 4/12/2024

WO#: 70393827
PM: ALC Due Date: 12/12/25
CLIENT: Pace-CON

Client Name: Pace-con **Project #**

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐Yes ☒No **Seals intact:** ☐ Yes ☒ No **Temperature Blank Present:** ☐ Yes ☒ No
Packing Material: ☐Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☐ None ☐ Other **Type of Ice:** (Wet) Blue None

Thermometer Used: TH211 **Correction Factor:** +0.1 ☐Samples on ice, cooling process has begun
Cooler Temperature(°C): 1.8 **Cooler Temperature Corrected(°C):** 1.9 **Date/Time 5035A kits placed in freezer**
Temp should be above freezing to 6.0°C

USDA Regulated Soil (☒ N/A, water sample)
Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☐ No

Did samples orignate from a foreign source including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.

Date and Initials of person examining contents: CR 11/26/25

				COMMENTS:
Chain of Custody Present:	☒Yes	☐No		1.
Chain of Custody Filled Out:	☒Yes	☐No		2.
Chain of Custody Relinquished:	☒Yes	☐No		3.
Sampler Name & Signature on COC:	☒Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☒Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☐Yes	☒No		6.
Rush Turn Around Time Requested:	☐Yes	☒No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☒Yes	☐No		8.
Correct Containers Used:	☒Yes	☐No		9.
-Pace Containers Used:	☒Yes	☐No		
Containers Intact:	☒Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☒No	☐N/A	11. Note: if sediment is visible in the dissolved container.
Sample Labels match COC: -Includes date/time/ID/Analysis	☒Yes	☐No		12.
Matrix:	SL (WT) OIL OTHER			

Date and Initials of person checking preservation: CR 11/26/25

All containers needing preservation have been pH paper Lot #	☐Yes	☐No	☒N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl Sample #
All containers needing preservation are found to be in compliance with method recommendation? (HNO_3, H_2SO_4, HCl, NAOH>9 Sulfide, NAOH>12 Cyanide)	☐Yes	☐No	☒N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis				Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Samples checked for dechlorination: KI starch test strips Lot # Residual chlorine strips Lot #	☐Yes	☐No	☒N/A	14. Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulf Lead Acetate Strips Lot #	☐Yes	☐No	☒N/A	15. Positive for Sulfide? Y N
Headspace in ALK Bottle (>6mm):	☐Yes	☐No	☒N/A	
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☒N/A	16.
Trip Blank Present:	☐Yes	☐No	☒N/A	17.
Trip Blank Custody Seals Present	☐Yes	☐No	☒N/A	

Client Notification/ Resolution: **Field Data Required?** **Y / N**
Person Contacted: **Date/Time:**
Comments/ Resolution:

*** PM (Project Manager) review (which includes the SCUR) is documented electronically in LIMS.**

Data Package



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Pace Analytical Services, LLC - East Longmeadow, Ma

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December 5, 2025

Thoren Giannuzzi
NYDEC_HRP Associates - Clifton Park, NY
1 Fairchild Square, Suite 110
Clifton Park, NY 12065

Project Location: 2 Corning Boulevard, Corning, NY
Client Job Number:
Project Number: 851050
Laboratory Work Order Number: 25K1213

Enclosed are results of analyses for samples as received by the laboratory on November 20, 2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Raymond J. McCarthy
Project Manager

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Pace Analytical Services, LLC - East Longmeadow, Ma

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NYDEC_HRP Associates - Clifton Park, NY
1 Fairchild Square, Suite 110
Clifton Park, NY 12065
ATTN: Thoren Giannuzzi

REPORT DATE: 12/5/2025

PURCHASE ORDER NUMBER: 153522

PROJECT NUMBER: 851050

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 25K1213

The results of analyses performed on the following samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, are found in this report.

PROJECT LOCATION: 2 Corning Boulevard, Corning, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
C-2 (0-2in)	25K1213-01	Soil		SM 2540G	
				SW-846 6010D	M-MA-086/CT PH-0826/NY11148
				SW-846 8270E	
				varies	M-MA-086/CT PH-0826/NY11148
C-2 (2-12in)	25K1213-02	Soil		SM 2540G	
				SW-846 6010D	M-MA-086/CT PH-0826/NY11148
				SW-846 8270E	
				varies	M-MA-086/CT PH-0826/NY11148
C-3 (0-2in)	25K1213-03	Soil		SM 2540G	
				SW-846 6010D	M-MA-086/CT PH-0826/NY11148
				SW-846 8270E	
				varies	M-MA-086/CT PH-0826/NY11148
C-3 (2-12in)	25K1213-04	Soil		SM 2540G	
				SW-846 6010D	M-MA-086/CT PH-0826/NY11148
				SW-846 8270E	
				varies	M-MA-086/CT PH-0826/NY11148
E-4 (0-2in)	25K1213-05	Soil		SM 2540G	
				SW-846 6010D	M-MA-086/CT PH-0826/NY11148
				SW-846 8270E	
				varies	M-MA-086/CT PH-0826/NY11148
E-4 (2-12in)	25K1213-06	Soil		SM 2540G	
				SW-846 6010D	M-MA-086/CT PH-0826/NY11148
				SW-846 8270E	
				varies	M-MA-086/CT PH-0826/NY11148
E-1 (0-2in)	25K1213-07	Soil		SM 2540G	
				SW-846 6010D	M-MA-086/CT PH-0826/NY11148
				SW-846 8270E	
				varies	M-MA-086/CT PH-0826/NY11148

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1 Fairchild Square, Suite 110
Clifton Park, NY 12065
ATTN: Thoren Giannuzzi

REPORT DATE: 12/5/2025

PURCHASE ORDER NUMBER: 153522

PROJECT NUMBER: 851050

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 25K1213

The results of analyses performed on the following samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, are found in this report.

PROJECT LOCATION: 2 Corning Boulevard, Corning, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
E-1 (2-12in)	25K1213-08	Soil		SM 2540G	
				SW-846 6010D	M-MA-086/CT PH-0826/NY11148
				SW-846 8270E	
				varies	M-MA-086/CT PH-0826/NY11148
C-1 (0-2in)	25K1213-09	Soil		SM 2540G	
				SW-846 6010D	M-MA-086/CT PH-0826/NY11148
				SW-846 8270E	
				varies	M-MA-086/CT PH-0826/NY11148
C-1 (2-12in)	25K1213-10	Soil		SM 2540G	
				SW-846 6010D	M-MA-086/CT PH-0826/NY11148
				SW-846 8270E	
				varies	M-MA-086/CT PH-0826/NY11148
B-1 (0-2in)	25K1213-11	Soil		SM 2540G	
				SW-846 6010D	M-MA-086/CT PH-0826/NY11148
				SW-846 8270E	
				varies	M-MA-086/CT PH-0826/NY11148
B-1 (2-12in)	25K1213-12	Soil		SM 2540G	
				SW-846 6010D	M-MA-086/CT PH-0826/NY11148
				SW-846 8270E	
				varies	M-MA-086/CT PH-0826/NY11148
B-2 (0-2in)	25K1213-13	Soil		SM 2540G	
				SW-846 6010D	M-MA-086/CT PH-0826/NY11148
				SW-846 8270E	
				varies	M-MA-086/CT PH-0826/NY11148
B-2 (2-12in)	25K1213-14	Soil		SM 2540G	
				SW-846 6010D	M-MA-086/CT PH-0826/NY11148
				SW-846 8270E	
				varies	M-MA-086/CT PH-0826/NY11148

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NYDEC_HRP Associates - Clifton Park, NY
1 Fairchild Square, Suite 110
Clifton Park, NY 12065
ATTN: Thoren Giannuzzi

REPORT DATE: 12/5/2025

PURCHASE ORDER NUMBER: 153522

PROJECT NUMBER: 851050

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 25K1213

The results of analyses performed on the following samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, are found in this report.

PROJECT LOCATION: 2 Corning Boulevard, Corning, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Dup-1	25K1213-15	Soil		SM 2540G	
				SW-846 6010D	M-MA-086/CT PH-0826/NY11148
				SW-846 8270E	
				varies	M-MA-086/CT PH-0826/NY11148
Dup-2	25K1213-16	Soil		SM 2540G	
				SW-846 6010D	M-MA-086/CT PH-0826/NY11148
				SW-846 8270E	
				varies	M-MA-086/CT PH-0826/NY11148

Pace Analytical Services, LLC - East Longmeadow, Ma

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For any Soil analysis, the Method Blank, LCS, and LCSD are reported on a 100% solids basis.

Pace Analytical Services, LLC - East Longmeadow, Ma

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6010D

Qualifications:

Ja

Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Id

Analyte & Samples(s) Qualified:

Beryllium, Total

25K1213-01[C-2 (0-2in)], 25K1213-02[C-2 (2-12in)], 25K1213-03[C-3 (0-2in)], 25K1213-07[E-1 (0-2in)], 25K1213-08[E-1 (2-12in)], 25K1213-13[B-2 (0-2in)], 25K1213-15[Dup-1], 25K1213-16[Dup-2]

Boron, Total

25K1213-01[C-2 (0-2in)], 25K1213-02[C-2 (2-12in)], 25K1213-04[C-3 (2-12in)], 25K1213-05[E-4 (0-2in)], 25K1213-06[E-4 (2-12in)], 25K1213-09[C-1 (0-2in)], 25K1213-10[C-1 (2-12in)]

Cadmium, Total

25K1213-01[C-2 (0-2in)], 25K1213-02[C-2 (2-12in)], 25K1213-03[C-3 (0-2in)], 25K1213-04[C-3 (2-12in)], 25K1213-05[E-4 (0-2in)], 25K1213-06[E-4 (2-12in)], 25K1213-07[E-1 (0-2in)], 25K1213-08[E-1 (2-12in)], 25K1213-09[C-1 (0-2in)], 25K1213-10[C-1 (2-12in)], 25K1213-12[B-1 (2-12in)], 25K1213-13[B-2 (0-2in)], 25K1213-14[B-2 (2-12in)], 25K1213-15[Dup-1]

Iron, Total

WG2146092-1, WG2146097-1

Selenium, Total

25K1213-02[C-2 (2-12in)], 25K1213-07[E-1 (0-2in)], 25K1213-08[E-1 (2-12in)], 25K1213-09[C-1 (0-2in)], 25K1213- 11[B-1 (0-2in)], 25K1213-12[B-1 (2-12in)], 25K1213-13[B-2 (0-2in)], 25K1213-14[B-2 (2-12in)], 25K1213-15[Dup-1], 25K1213-16[Dup-2]

Q

The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spi

Analyte & Samples(s) Qualified:

Aluminum, Total

WG2146092-3, WG2146092-4, WG2146092-7, WG2146092-8

Antimony, Total

WG2146092-3, WG2146092-4, WG2146092-7, WG2146092-8

Calcium, Total

WG2146092-3, WG2146092-4

Iron, Total

WG2146092-3, WG2146092-4, WG2146092-8

Manganese, Total

WG2146092-3, WG2146092-4

7471B

Qualifications:

Ja

Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Id

Analyte & Samples(s) Qualified:

Mercury, Total

25K1213-11[B-1 (0-2in)], WG2146078-1

SW-846 8270E

Qualifications:

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Benzaldehyde

25K1213-01[C-2 (0-2in)], 25K1213-02[C-2 (2-12in)], 25K1213-03[C-3 (0-2in)], 25K1213-04[C-3 (2-12in)], 25K1213-05[E-4 (0-2in)], 25K1213-06[E-4 (2-12in)], 25K1213-07[E-1 (0-2in)], 25K1213-08[E-1 (2-12in)], 25K1213-09[C-1 (0-2in)], 25K1213-10[C-1 (2-12in)], 25K1213- 11[B-1 (0-2in)], 25K1213-12[B-1 (2-12in)], 25K1213-15[Dup-1], 25K1213-16[Dup-2], B417934-BLK1, B417934-BS1, B417934-BSD1

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MS-09

Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

2-Chloronaphthalene
25K1213-14RE1[B-2 (2-12in)], B418195-MS2, B418195-MSD2

2-Methylnaphthalene
25K1213-14RE1[B-2 (2-12in)], B418195-MS2, B418195-MSD2

3,3-Dichlorobenzidine
25K1213-13RE1[B-2 (0-2in)], 25K1213-14RE1[B-2 (2-12in)], B418195-MS1, B418195-MS2, B418195-MSD1, B418195-MSD2

3-Nitroaniline
25K1213-14RE1[B-2 (2-12in)], B418195-MS2, B418195-MSD2

4-Chloroaniline
25K1213-13RE1[B-2 (0-2in)], 25K1213-14RE1[B-2 (2-12in)], B418195-MS1, B418195-MS2, B418195-MSD1, B418195-MSD2

4-Nitroaniline
25K1213-14RE1[B-2 (2-12in)], B418195-MS2, B418195-MSD2

Aniline
25K1213-13RE1[B-2 (0-2in)], 25K1213-14RE1[B-2 (2-12in)], B418195-MS1, B418195-MS2, B418195-MSD1, B418195-MSD2

Benzaldehyde
25K1213-14RE1[B-2 (2-12in)], B418195-MS2, B418195-MSD2

Hexachlorocyclopentadiene
25K1213-13RE1[B-2 (0-2in)], 25K1213-14RE1[B-2 (2-12in)], B418195-MS1, B418195-MS2, B418195-MSD1, B418195-MSD2

Hexachloroethane
25K1213-14RE1[B-2 (2-12in)], B418195-MS2, B418195-MSD2

Pyridine
25K1213-13RE1[B-2 (0-2in)], 25K1213-14RE1[B-2 (2-12in)], B418195-MS1, B418195-MS2, B418195-MSD1, B418195-MSD2

MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

1-Methylnaphthalene
B418195-MS2

2,3,4,6-Tetrachlorophenol
B418195-MS2

2,4-Dinitrophenol
B418195-MS1

Acetophenone
B418195-MSD2

Caprolactam
B418195-MS2

Fluoranthene
B418195-MS2

Naphthalene
B418195-MS2

N-Nitrosodi-n-propylamine
B418195-MSD2

Phenanthrene
B418195-MS2

Pyrene
B418195-MS2

MS-23

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is outside of the method specified criteria. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

2,2'-oxybis(1-Chloropropane)
B418195-MSD2

4-Nitroaniline
B418195-MS1

Hexachloroethane
B418195-MS1

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R-06

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:

2,2'-oxybis(1-Chloropropane)
B418195-MS1, B418195-MS2, B418195-MSD1

4,6-Dinitro-2-methylphenol
B418195-MS1, B418195-MSD1

4-Chloroaniline
25K1213-13RE1[B-2 (0-2in)], B418195-MS1, B418195-MSD1

4-Nitroaniline
25K1213-13RE1[B-2 (0-2in)], B418195-MSD1

Aniline
25K1213-13RE1[B-2 (0-2in)], B418195-MS1, B418195-MSD1

Bis(2-Ethylhexyl)phthalate
B418195-MS2, B418195-MSD2

Hexachloroethane
25K1213-13RE1[B-2 (0-2in)], B418195-MSD1

Pentachlorophenol
B418195-MS1, B418195-MSD1

S-07

One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.

Analyte & Samples(s) Qualified:

2-Fluorophenol
25K1213-02[C-2 (2-12in)]

V-04

Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
25K1213-01[C-2 (0-2in)], 25K1213-02[C-2 (2-12in)], 25K1213-03[C-3 (0-2in)], 25K1213-04[C-3 (2-12in)], 25K1213-05[E-4 (0-2in)], 25K1213-06[E-4 (2-12in)], 25K1213-07[E-1 (0-2in)], 25K1213-08[E-1 (2-12in)], 25K1213-09[C-1 (0-2in)], 25K1213-10[C-1 (2-12in)], 25K1213- 11[B-1 (0-2in)], 25K1213-12[B-1 (2-12in)], 25K1213-13RE1[B-2 (0-2in)], 25K1213-14RE1[B-2 (2-12in)], 25K1213-15[Dup-1], 25K1213-16[Dup-2], B417934-BLK1, B417934-BS1, B417934-BSD1, B418195-BLK1, B418195-BS1, B418195-BSD1, B418195-MS1, B418195-MS2, B418195-MSD1, B418195-MSD2, S128977-CCV1, S129060-CCV1, S129079-CCV1

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Aniline
25K1213-13RE1[B-2 (0-2in)], 25K1213-14RE1[B-2 (2-12in)], B418195-BLK1, B418195-BS1, B418195-BSD1, B418195-MS1, B418195-MS2, B418195-MSD1, B418195-MSD2, S129079-CCV1

Benzaldehyde
25K1213-01[C-2 (0-2in)], 25K1213-02[C-2 (2-12in)], 25K1213-03[C-3 (0-2in)], 25K1213-04[C-3 (2-12in)], 25K1213-05[E-4 (0-2in)], 25K1213-06[E-4 (2-12in)], 25K1213-07[E-1 (0-2in)], 25K1213-08[E-1 (2-12in)], 25K1213-09[C-1 (0-2in)], 25K1213-10[C-1 (2-12in)], 25K1213- 11[B-1 (0-2in)], 25K1213-12[B-1 (2-12in)], 25K1213-13RE1[B-2 (0-2in)], 25K1213-14RE1[B-2 (2-12in)], 25K1213-15[Dup-1], B417934-BLK1, B417934-BS1, B417934-BSD1, B418195-BLK1, B418195-BS1, B418195-BSD1, B418195-MS1, B418195-MS2, B418195-MSD1, B418195-MSD2, S128977-CCV2, S129079-CCV2

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
25K1213-01[C-2 (0-2in)], 25K1213-02[C-2 (2-12in)], 25K1213-03[C-3 (0-2in)], 25K1213-04[C-3 (2-12in)], 25K1213-05[E-4 (0-2in)], 25K1213-06[E-4 (2-12in)], 25K1213-07[E-1 (0-2in)], 25K1213-08[E-1 (2-12in)], 25K1213-09[C-1 (0-2in)], 25K1213-10[C-1 (2-12in)], 25K1213- 11[B-1 (0-2in)], 25K1213-12[B-1 (2-12in)], 25K1213-13RE1[B-2 (0-2in)], 25K1213-14RE1[B-2 (2-12in)], 25K1213-15[Dup-1], 25K1213-16[Dup-2], B417934-BLK1, B417934-BS1, B417934-BSD1, B418195-BLK1, B418195-BS1, B418195-BSD1, B418195-MS1, B418195-MS2, B418195-MSD1, B418195-MSD2, S128977-CCV1, S129060-CCV1, S129079-CCV1

Atrazine
25K1213-13RE1[B-2 (0-2in)], 25K1213-14RE1[B-2 (2-12in)], 25K1213-16[Dup-2], B418195-BLK1, B418195-BS1, B418195-BSD1, B418195-MS1, B418195-MS2, B418195-MSD1, B418195-MSD2, S129060-CCV2, S129079-CCV2

Bis(2-Ethylhexyl)phthalate
25K1213-13RE1[B-2 (0-2in)], 25K1213-14RE1[B-2 (2-12in)], 25K1213-16[Dup-2], B418195-BLK1, B418195-BS1, B418195-BSD1, B418195-MS1, B418195-MS2, B418195-MSD1, B418195-MSD2, S129060-CCV1, S129079-CCV1

Di-n-octylphthalate
25K1213-13RE1[B-2 (0-2in)], 25K1213-14RE1[B-2 (2-12in)], 25K1213-16[Dup-2], B418195-BLK1, B418195-BS1, B418195-BSD1, B418195-MS1, B418195-MS2, B418195-MSD1, B418195-MSD2, S129060-CCV1, S129079-CCV1

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V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Aniline

25K1213-01[C-2 (0-2in)], 25K1213-02[C-2 (2-12in)], 25K1213-03[C-3 (0-2in)], 25K1213-04[C-3 (2-12in)], 25K1213-05[E-4 (0-2in)], 25K1213-06[E-4 (2-12in)], 25K1213-07[E-1 (0-2in)], 25K1213-08[E-1 (2-12in)], 25K1213-09[C-1 (0-2in)], 25K1213-10[C-1 (2-12in)], 25K1213- 11[B-1 (0-2in)], 25K1213-12[B-1 (2-12in)], 25K1213-13RE1[B-2 (0-2in)], 25K1213-14RE1[B-2 (2-12in)], 25K1213-15[Dup-1], 25K1213-16[Dup-2], B417934-BLK1, B417934-BS1, B417934-BSD1, B418195-BLK1, B418195-BS1, B418195-BSD1, B418195-MS1, B418195-MS2, B418195-MSD1, B418195-MSD2, S128977-CCV1, S129060-CCV1, S129079-CCV1

Benzaldehyde

25K1213-01[C-2 (0-2in)], 25K1213-02[C-2 (2-12in)], 25K1213-03[C-3 (0-2in)], 25K1213-04[C-3 (2-12in)], 25K1213-05[E-4 (0-2in)], 25K1213-06[E-4 (2-12in)], 25K1213-07[E-1 (0-2in)], 25K1213-08[E-1 (2-12in)], 25K1213-09[C-1 (0-2in)], 25K1213-10[C-1 (2-12in)], 25K1213- 11[B-1 (0-2in)], 25K1213-12[B-1 (2-12in)], 25K1213-13RE1[B-2 (0-2in)], 25K1213-14RE1[B-2 (2-12in)], 25K1213-15[Dup-1], 25K1213-16[Dup-2], B417934-BLK1, B417934-BS1, B417934-BSD1, B418195-BLK1, B418195-BS1, B418195-BSD1, B418195-MS1, B418195-MS2, B418195-MSD1, B418195-MSD2, S128977-CCV2, S129060-CCV2, S129079-CCV2

The results of analyses reported only relate to samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: C-2 (0-2in) Sampled: 11/17/2025 13:10

Sample ID: 25K1213-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,3,4,6-Tetrachlorophenol	ND	0.84	0.060	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
Atrazine	ND	0.84	0.058	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
Benzaldehyde	ND	0.42	0.059	mg/Kg dry	1	V-05, L-04, V-34	SW-846 8270E	11/20/25	11/24/25 21:00	BGL
Biphenyl	ND	0.084	0.048	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
Caprolactam	ND	0.42	0.073	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
Acenaphthene	ND	0.041	0.0046	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
Acenaphthylene	ND	0.041	0.0052	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
Acetophenone	ND	0.42	0.044	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
Aniline	ND	0.42	0.080	mg/Kg dry	1	V-34	SW-846 8270E	11/20/25	11/24/25 21:00	BGL
Anthracene	0.0075	0.041	0.0047	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/24/25 21:00	BGL
Benzo(a)anthracene	0.060	0.041	0.0065	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
Benzo(a)pyrene	0.077	0.041	0.014	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
Benzo(b)fluoranthene	0.12	0.041	0.010	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
Benzo(g,h,i)perylene	0.057	0.041	0.016	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
Benzo(k)fluoranthene	0.042	0.041	0.0085	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
Bis(2-chloroethoxy)methane	ND	0.42	0.043	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
Bis(2-chloroethyl)ether	ND	0.42	0.056	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
2,2'-oxybis(1-Chloropropane)	ND	0.42	0.17	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.42	0.057	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
4-Bromophenylphenylether	ND	0.42	0.037	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
Butylbenzylphthalate	ND	0.42	0.048	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
Carbazole	ND	0.21	0.044	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
4-Chloroaniline	ND	0.82	0.068	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
4-Chloro-3-methylphenol	ND	0.82	0.045	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
2-Chloronaphthalene	ND	0.42	0.037	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
2-Chlorophenol	ND	0.42	0.037	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
4-Chlorophenylphenylether	ND	0.42	0.039	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
Chrysene	0.083	0.041	0.0054	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
Dibenz(a,h)anthracene	ND	0.041	0.019	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
Dibenzofuran	ND	0.42	0.041	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
Di-n-butylphthalate	ND	0.42	0.16	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
3,3-Dichlorobenzidine	ND	0.21	0.076	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
2,4-Dichlorophenol	ND	0.42	0.040	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
Diethylphthalate	ND	0.42	0.041	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
2,4-Dimethylphenol	ND	0.42	0.088	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
Dimethylphthalate	ND	0.42	0.038	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
4,6-Dinitro-2-methylphenol	ND	0.42	0.35	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
2,4-Dinitrophenol	ND	0.82	0.40	mg/Kg dry	1	V-04, V-06	SW-846 8270E	11/20/25	11/24/25 21:00	BGL
2,4-Dinitrotoluene	ND	0.42	0.10	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
2,6-Dinitrotoluene	ND	0.42	0.053	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
Di-n-octylphthalate	ND	0.42	0.062	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
Fluoranthene	0.16	0.041	0.0059	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
Fluorene	ND	0.041	0.0050	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
Hexachlorobenzene	ND	0.42	0.043	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: C-2 (0-2in) Sampled: 11/17/2025 13:10

Sample ID: 25K1213-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.42	0.044	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
Hexachlorocyclopentadiene	ND	0.42	0.21	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
Hexachloroethane	ND	0.42	0.038	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
Indeno(1,2,3-cd)pyrene	0.060	0.041	0.017	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
Isophorone	ND	0.42	0.045	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
1-Methylnaphthalene	ND	0.041	0.0052	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
2-Methylnaphthalene	ND	0.041	0.0047	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
2-Methylphenol	ND	0.42	0.053	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
3/4-Methylphenol	ND	0.42	0.069	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
Naphthalene	ND	0.041	0.0060	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
2-Nitroaniline	ND	0.42	0.065	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
3-Nitroaniline	ND	0.42	0.055	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
4-Nitroaniline	ND	0.42	0.060	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
Nitrobenzene	ND	0.42	0.048	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
2-Nitrophenol	ND	0.42	0.044	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
4-Nitrophenol	ND	0.82	0.17	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.42	0.055	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
N-Nitrosodi-n-propylamine	ND	0.42	0.052	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
Pentachlorophenol	ND	0.42	0.054	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
Phenanthrene	0.060	0.041	0.0042	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
Phenol	ND	0.42	0.040	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
Pyrene	0.12	0.041	0.0071	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
Pyridine	ND	0.42	0.054	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.42	0.041	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
2,4,5-Trichlorophenol	ND	0.42	0.043	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL
2,4,6-Trichlorophenol	ND	0.42	0.037	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:00	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	45.8	30-130		11/24/25 21:00
Phenol-d6	47.4	30-130		11/24/25 21:00
Nitrobenzene-d5	48.6	30-130		11/24/25 21:00
2-Fluorobiphenyl	54.8	30-130		11/24/25 21:00
2,4,6-Tribromophenol	54.9	30-130		11/24/25 21:00
p-Terphenyl-d14	54.3	30-130		11/24/25 21:00

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: C-2 (0-2in) Sampled: 11/17/2025 13:10

Sample ID: 25K1213-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.9		% Wt	1		SM 2540G	11/20/25	11/20/25 15:41	DMB

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: C-2 (0-2in) Sampled: 11/17/2025 13:10

Sample ID: 25K1213-01

Sample Matrix: Soil

Total Metals - Mansfield Lab

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum, Total	6250	9.78	3.18	mg/kg	2		6010D	11/25/25	11/28/25 7:52	LRS
Mercury, Total	ND	0.088	0.057	mg/kg	1	U	7471B	11/25/25	11/26/25 12:44	CME
Antimony, Total	ND	4.89	3.76	mg/kg	2	U	6010D	11/25/25	11/28/25 7:52	LRS
Arsenic, Total	5.20	0.978	0.422	mg/kg	2		6010D	11/25/25	11/28/25 7:52	LRS
Barium, Total	84.3	0.978	0.104	mg/kg	2		6010D	11/25/25	11/28/25 7:52	LRS
Beryllium, Total	0.354	0.489	0.054	mg/kg	2	Ja	6010D	11/25/25	11/28/25 7:52	LRS
Boron, Total	1.97	2.93	0.564	mg/kg	2	Ja	6010D	11/25/25	11/28/25 7:52	LRS
Cadmium, Total	0.300	0.978	0.054	mg/kg	2	Ja	6010D	11/25/25	11/28/25 7:52	LRS
Calcium, Total	1480	9.78	5.54	mg/kg	2		6010D	11/25/25	11/28/25 7:52	LRS
Chromium, Total	8.46	0.978	0.829	mg/kg	2		6010D	11/25/25	11/28/25 7:52	LRS
Cobalt, Total	7.11	1.96	0.242	mg/kg	2		6010D	11/25/25	11/28/25 7:52	LRS
Copper, Total	12.2	0.978	0.222	mg/kg	2		6010D	11/25/25	11/28/25 7:52	LRS
Iron, Total	14200	4.89	1.03	mg/kg	2		6010D	11/25/25	11/28/25 7:52	LRS
Lead, Total	28.9	4.89	0.233	mg/kg	2		6010D	11/25/25	11/28/25 7:52	LRS
Magnesium, Total	2050	9.78	1.59	mg/kg	2		6010D	11/25/25	11/28/25 7:52	LRS
Manganese, Total	406	0.978	0.524	mg/kg	2		6010D	11/25/25	11/28/25 7:52	LRS
Nickel, Total	14.4	2.44	0.790	mg/kg	2		6010D	11/25/25	11/28/25 7:52	LRS
Potassium, Total	580	244	49.6	mg/kg	2		6010D	11/25/25	11/28/25 7:52	LRS
Selenium, Total	ND	1.96	0.322	mg/kg	2	U	6010D	11/25/25	11/28/25 7:52	LRS
Silver, Total	ND	0.489	0.291	mg/kg	2	U	6010D	11/25/25	11/28/25 7:52	LRS
Sodium, Total	ND	196	104	mg/kg	2	U	6010D	11/25/25	11/28/25 7:52	LRS
Thallium, Total	ND	1.96	0.882	mg/kg	2	U	6010D	11/25/25	11/28/25 7:52	LRS
Vanadium, Total	8.60	0.978	0.148	mg/kg	2		6010D	11/25/25	11/28/25 7:52	LRS
Zinc, Total	54.9	4.89	0.592	mg/kg	2		6010D	11/25/25	11/28/25 7:52	LRS

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: C-2 (2-12in) Sampled: 11/17/2025 13:15

Sample ID: 25K1213-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,3,4,6-Tetrachlorophenol	ND	0.80	0.057	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
Atrazine	ND	0.80	0.056	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
Benzaldehyde	ND	0.41	0.056	mg/Kg dry	1	V-05, L-04, V-34	SW-846 8270E	11/20/25	11/24/25 21:24	BGL
Biphenyl	ND	0.080	0.046	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
Caprolactam	ND	0.41	0.070	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
Acenaphthene	ND	0.040	0.0044	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
Acenaphthylene	ND	0.040	0.0050	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
Acetophenone	ND	0.41	0.043	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
Aniline	ND	0.41	0.077	mg/Kg dry	1	V-34	SW-846 8270E	11/20/25	11/24/25 21:24	BGL
Anthracene	ND	0.040	0.0046	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
Benzo(a)anthracene	0.034	0.040	0.0062	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/24/25 21:24	BGL
Benzo(a)pyrene	0.040	0.040	0.013	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
Benzo(b)fluoranthene	0.065	0.040	0.0098	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
Benzo(g,h,i)perylene	0.027	0.040	0.016	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/24/25 21:24	BGL
Benzo(k)fluoranthene	0.021	0.040	0.0081	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/24/25 21:24	BGL
Bis(2-chloroethoxy)methane	ND	0.41	0.041	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
Bis(2-chloroethyl)ether	ND	0.41	0.054	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
2,2'-oxybis(1-Chloropropane)	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.41	0.055	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
4-Bromophenylphenylether	ND	0.41	0.036	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
Butylbenzylphthalate	ND	0.41	0.046	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
Carbazole	ND	0.20	0.042	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
4-Chloroaniline	ND	0.79	0.065	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
4-Chloro-3-methylphenol	ND	0.79	0.043	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
2-Chloronaphthalene	ND	0.41	0.036	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
2-Chlorophenol	ND	0.41	0.036	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
4-Chlorophenylphenylether	ND	0.41	0.037	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
Chrysene	0.043	0.040	0.0052	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
Dibenz(a,h)anthracene	ND	0.040	0.018	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
Dibenzofuran	ND	0.41	0.040	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
Di-n-butylphthalate	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
3,3-Dichlorobenzidine	ND	0.20	0.073	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
2,4-Dichlorophenol	ND	0.41	0.038	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
Diethylphthalate	ND	0.41	0.040	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
2,4-Dimethylphenol	ND	0.41	0.084	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
Dimethylphthalate	ND	0.41	0.036	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
4,6-Dinitro-2-methylphenol	ND	0.41	0.33	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
2,4-Dinitrophenol	ND	0.79	0.38	mg/Kg dry	1	V-04, V-06	SW-846 8270E	11/20/25	11/24/25 21:24	BGL
2,4-Dinitrotoluene	ND	0.41	0.096	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
2,6-Dinitrotoluene	ND	0.41	0.051	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
Di-n-octylphthalate	ND	0.41	0.060	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
Fluoranthene	0.080	0.040	0.0056	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
Fluorene	ND	0.040	0.0048	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
Hexachlorobenzene	ND	0.41	0.041	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: C-2 (2-12in) Sampled: 11/17/2025 13:15

Sample ID: 25K1213-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.41	0.042	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
Hexachlorocyclopentadiene	ND	0.41	0.20	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
Hexachloroethane	ND	0.41	0.037	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
Indeno(1,2,3-cd)pyrene	0.032	0.040	0.016	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/24/25 21:24	BGL
Isophorone	ND	0.41	0.043	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
1-Methylnaphthalene	ND	0.040	0.0050	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
2-Methylnaphthalene	ND	0.040	0.0046	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
2-Methylphenol	ND	0.41	0.051	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
3/4-Methylphenol	ND	0.41	0.066	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
Naphthalene	ND	0.040	0.0058	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
2-Nitroaniline	ND	0.41	0.062	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
3-Nitroaniline	ND	0.41	0.053	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
4-Nitroaniline	ND	0.41	0.058	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
Nitrobenzene	ND	0.41	0.046	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
2-Nitrophenol	ND	0.41	0.042	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
4-Nitrophenol	ND	0.79	0.16	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.41	0.053	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
N-Nitrosodi-n-propylamine	ND	0.41	0.050	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
Pentachlorophenol	ND	0.41	0.052	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
Phenanthrene	0.027	0.040	0.0041	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/24/25 21:24	BGL
Phenol	ND	0.41	0.039	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
Pyrene	0.056	0.040	0.0068	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
Pyridine	ND	0.41	0.052	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.41	0.039	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
2,4,5-Trichlorophenol	ND	0.41	0.041	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL
2,4,6-Trichlorophenol	ND	0.41	0.036	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:24	BGL

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
2-Fluorophenol	**29.5**	*	30-130	S-07	11/24/25 21:24
Phenol-d6	30.9		30-130		11/24/25 21:24
Nitrobenzene-d5	32.9		30-130		11/24/25 21:24
2-Fluorobiphenyl	36.0		30-130		11/24/25 21:24
2,4,6-Tribromophenol	33.8		30-130		11/24/25 21:24
p-Terphenyl-d14	39.0		30-130		11/24/25 21:24

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: C-2 (2-12in) Sampled: 11/17/2025 13:15

Sample ID: 25K1213-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.2		% Wt	1		SM 2540G	11/20/25	11/20/25 15:41	DMB

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: C-2 (2-12in) Sampled: 11/17/2025 13:15

Sample ID: 25K1213-02

Sample Matrix: Soil

Total Metals - Mansfield Lab

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum, Total	6220	9.33	3.03	mg/kg	2		6010D	11/25/25	11/28/25 7:54	LRS
Mercury, Total	ND	0.078	0.051	mg/kg	1	U	7471B	11/25/25	11/26/25 12:47	CME
Antimony, Total	ND	4.66	3.59	mg/kg	2	U	6010D	11/25/25	11/28/25 7:54	LRS
Arsenic, Total	5.07	0.933	0.403	mg/kg	2		6010D	11/25/25	11/28/25 7:54	LRS
Barium, Total	84.9	0.933	0.099	mg/kg	2		6010D	11/25/25	11/28/25 7:54	LRS
Beryllium, Total	0.351	0.466	0.051	mg/kg	2	Ja	6010D	11/25/25	11/28/25 7:54	LRS
Boron, Total	1.59	2.80	0.538	mg/kg	2	Ja	6010D	11/25/25	11/28/25 7:54	LRS
Cadmium, Total	0.300	0.933	0.051	mg/kg	2	Ja	6010D	11/25/25	11/28/25 7:54	LRS
Calcium, Total	1370	9.33	5.29	mg/kg	2		6010D	11/25/25	11/28/25 7:54	LRS
Chromium, Total	8.52	0.933	0.791	mg/kg	2		6010D	11/25/25	11/28/25 7:54	LRS
Cobalt, Total	7.20	1.87	0.231	mg/kg	2		6010D	11/25/25	11/28/25 7:54	LRS
Copper, Total	12.2	0.933	0.212	mg/kg	2		6010D	11/25/25	11/28/25 7:54	LRS
Iron, Total	14200	4.66	0.980	mg/kg	2		6010D	11/25/25	11/28/25 7:54	LRS
Lead, Total	28.3	4.66	0.222	mg/kg	2		6010D	11/25/25	11/28/25 7:54	LRS
Magnesium, Total	2040	9.33	1.52	mg/kg	2		6010D	11/25/25	11/28/25 7:54	LRS
Manganese, Total	423	0.933	0.500	mg/kg	2		6010D	11/25/25	11/28/25 7:54	LRS
Nickel, Total	14.6	2.33	0.754	mg/kg	2		6010D	11/25/25	11/28/25 7:54	LRS
Potassium, Total	479	233	47.3	mg/kg	2		6010D	11/25/25	11/28/25 7:54	LRS
Selenium, Total	0.323	1.87	0.307	mg/kg	2	Ja	6010D	11/25/25	11/28/25 7:54	LRS
Silver, Total	ND	0.466	0.278	mg/kg	2	U	6010D	11/25/25	11/28/25 7:54	LRS
Sodium, Total	ND	187	98.9	mg/kg	2	U	6010D	11/25/25	11/28/25 7:54	LRS
Thallium, Total	ND	1.87	0.842	mg/kg	2	U	6010D	11/25/25	11/28/25 7:54	LRS
Vanadium, Total	8.59	0.933	0.141	mg/kg	2		6010D	11/25/25	11/28/25 7:54	LRS
Zinc, Total	54.6	4.66	0.566	mg/kg	2		6010D	11/25/25	11/28/25 7:54	LRS

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: C-3 (0-2in) Sampled: 11/17/2025 14:00

Sample ID: 25K1213-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,3,4,6-Tetrachlorophenol	ND	0.90	0.064	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
Atrazine	ND	0.90	0.062	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
Benzaldehyde	0.33	0.45	0.063	mg/Kg dry	1	L-04, V-05, V-34, J	SW-846 8270E	11/20/25	11/24/25 21:48	BGL
Biphenyl	ND	0.090	0.051	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
Caprolactam	ND	0.45	0.079	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
Acenaphthene	ND	0.044	0.0050	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
Acenaphthylene	0.0085	0.044	0.0056	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/24/25 21:48	BGL
Acetophenone	ND	0.45	0.048	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
Aniline	ND	0.45	0.086	mg/Kg dry	1	V-34	SW-846 8270E	11/20/25	11/24/25 21:48	BGL
Anthracene	0.0076	0.044	0.0051	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/24/25 21:48	BGL
Benzo(a)anthracene	0.039	0.044	0.0070	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/24/25 21:48	BGL
Benzo(a)pyrene	0.052	0.044	0.015	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
Benzo(b)fluoranthene	0.082	0.044	0.011	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
Benzo(g,h,i)perylene	0.044	0.044	0.018	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/24/25 21:48	BGL
Benzo(k)fluoranthene	0.029	0.044	0.0091	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/24/25 21:48	BGL
Bis(2-chloroethoxy)methane	ND	0.45	0.046	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
Bis(2-chloroethyl)ether	ND	0.45	0.060	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
2,2'-oxybis(1-Chloropropane)	ND	0.45	0.18	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.45	0.062	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
4-Bromophenylphenylether	ND	0.45	0.040	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
Butylbenzylphthalate	ND	0.45	0.052	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
Carbazole	ND	0.23	0.047	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
4-Chloroaniline	ND	0.88	0.073	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
4-Chloro-3-methylphenol	ND	0.88	0.048	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
2-Chloronaphthalene	ND	0.45	0.040	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
2-Chlorophenol	ND	0.45	0.040	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
4-Chlorophenylphenylether	ND	0.45	0.042	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
Chrysene	0.058	0.044	0.0058	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
Dibenz(a,h)anthracene	ND	0.044	0.020	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
Dibenzofuran	ND	0.45	0.044	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
Di-n-butylphthalate	ND	0.45	0.17	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
3,3-Dichlorobenzidine	ND	0.23	0.081	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
2,4-Dichlorophenol	ND	0.45	0.043	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
Diethylphthalate	ND	0.45	0.044	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
2,4-Dimethylphenol	ND	0.45	0.094	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
Dimethylphthalate	ND	0.45	0.040	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
4,6-Dinitro-2-methylphenol	ND	0.45	0.37	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
2,4-Dinitrophenol	ND	0.88	0.43	mg/Kg dry	1	V-04, V-06	SW-846 8270E	11/20/25	11/24/25 21:48	BGL
2,4-Dinitrotoluene	ND	0.45	0.11	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
2,6-Dinitrotoluene	ND	0.45	0.057	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
Di-n-octylphthalate	ND	0.45	0.067	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
Fluoranthene	0.10	0.044	0.0063	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
Fluorene	ND	0.044	0.0054	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
Hexachlorobenzene	ND	0.45	0.046	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: C-3 (0-2in) Sampled: 11/17/2025 14:00

Sample ID: 25K1213-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.45	0.047	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
Hexachlorocyclopentadiene	ND	0.45	0.23	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
Hexachloroethane	ND	0.45	0.041	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
Indeno(1,2,3-cd)pyrene	0.046	0.044	0.018	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
Isophorone	ND	0.45	0.049	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
1-Methylnaphthalene	ND	0.044	0.0056	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
2-Methylnaphthalene	ND	0.044	0.0051	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
2-Methylphenol	ND	0.45	0.057	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
3/4-Methylphenol	ND	0.45	0.074	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
Naphthalene	0.0089	0.044	0.0064	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/24/25 21:48	BGL
2-Nitroaniline	ND	0.45	0.070	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
3-Nitroaniline	ND	0.45	0.059	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
4-Nitroaniline	ND	0.45	0.064	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
Nitrobenzene	ND	0.45	0.051	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
2-Nitrophenol	ND	0.45	0.047	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
4-Nitrophenol	ND	0.88	0.18	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.45	0.059	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
N-Nitrosodi-n-propylamine	ND	0.45	0.056	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
Pentachlorophenol	ND	0.45	0.058	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
Phenanthrene	0.044	0.044	0.0045	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
Phenol	0.054	0.45	0.043	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/24/25 21:48	BGL
Pyrene	0.068	0.044	0.0076	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
Pyridine	ND	0.45	0.058	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.45	0.044	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
2,4,5-Trichlorophenol	ND	0.45	0.046	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL
2,4,6-Trichlorophenol	ND	0.45	0.040	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 21:48	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	43.0	30-130		11/24/25 21:48
Phenol-d6	43.8	30-130		11/24/25 21:48
Nitrobenzene-d5	43.3	30-130		11/24/25 21:48
2-Fluorobiphenyl	46.6	30-130		11/24/25 21:48
2,4,6-Tribromophenol	52.1	30-130		11/24/25 21:48
p-Terphenyl-d14	49.5	30-130		11/24/25 21:48

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: C-3 (0-2in) Sampled: 11/17/2025 14:00

Sample ID: 25K1213-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	74.5		% Wt	1		SM 2540G	11/20/25	11/20/25 15:41	DMB

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: C-3 (0-2in) Sampled: 11/17/2025 14:00

Sample ID: 25K1213-03

Sample Matrix: Soil

Total Metals - Mansfield Lab

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum, Total	6330	10.4	3.38	mg/kg	2		6010D	11/25/25	11/28/25 8:16	LRS
Mercury, Total	ND	0.092	0.060	mg/kg	1	U	7471B	11/25/25	11/26/25 12:50	CME
Antimony, Total	ND	5.20	4.00	mg/kg	2	U	6010D	11/25/25	11/28/25 8:16	LRS
Arsenic, Total	5.84	1.04	0.449	mg/kg	2		6010D	11/25/25	11/28/25 8:16	LRS
Barium, Total	84.8	1.04	0.110	mg/kg	2		6010D	11/25/25	11/28/25 8:16	LRS
Beryllium, Total	0.351	0.520	0.057	mg/kg	2	Ja	6010D	11/25/25	11/28/25 8:16	LRS
Boron, Total	3.45	3.12	0.600	mg/kg	2		6010D	11/25/25	11/28/25 8:16	LRS
Cadmium, Total	0.288	1.04	0.057	mg/kg	2	Ja	6010D	11/25/25	11/28/25 8:16	LRS
Calcium, Total	5180	10.4	5.90	mg/kg	2		6010D	11/25/25	11/28/25 8:16	LRS
Chromium, Total	10.0	1.04	0.882	mg/kg	2		6010D	11/25/25	11/28/25 8:16	LRS
Cobalt, Total	6.69	2.08	0.258	mg/kg	2		6010D	11/25/25	11/28/25 8:16	LRS
Copper, Total	16.5	1.04	0.236	mg/kg	2		6010D	11/25/25	11/28/25 8:16	LRS
Iron, Total	16100	5.20	1.09	mg/kg	2		6010D	11/25/25	11/28/25 8:16	LRS
Lead, Total	13.7	5.20	0.247	mg/kg	2		6010D	11/25/25	11/28/25 8:16	LRS
Magnesium, Total	3010	10.4	1.69	mg/kg	2		6010D	11/25/25	11/28/25 8:16	LRS
Manganese, Total	450	1.04	0.557	mg/kg	2		6010D	11/25/25	11/28/25 8:16	LRS
Nickel, Total	13.6	2.60	0.840	mg/kg	2		6010D	11/25/25	11/28/25 8:16	LRS
Potassium, Total	591	260	52.7	mg/kg	2		6010D	11/25/25	11/28/25 8:16	LRS
Selenium, Total	ND	2.08	0.342	mg/kg	2	U	6010D	11/25/25	11/28/25 8:16	LRS
Silver, Total	ND	0.520	0.310	mg/kg	2	U	6010D	11/25/25	11/28/25 8:16	LRS
Sodium, Total	738	208	110	mg/kg	2		6010D	11/25/25	11/28/25 8:16	LRS
Thallium, Total	ND	2.08	0.938	mg/kg	2	U	6010D	11/25/25	11/28/25 8:16	LRS
Vanadium, Total	9.28	1.04	0.157	mg/kg	2		6010D	11/25/25	11/28/25 8:16	LRS
Zinc, Total	57.0	5.20	0.630	mg/kg	2		6010D	11/25/25	11/28/25 8:16	LRS

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: C-3 (2-12in) Sampled: 11/17/2025 14:05

Sample ID: 25K1213-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,3,4,6-Tetrachlorophenol	ND	0.78	0.056	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
Atrazine	ND	0.78	0.054	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
Benzaldehyde	ND	0.40	0.055	mg/Kg dry	1	L-04, V-05, V-34	SW-846 8270E	11/20/25	11/24/25 22:13	BGL
Biphenyl	ND	0.078	0.044	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
Caprolactam	ND	0.40	0.068	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
Acenaphthene	ND	0.038	0.0043	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
Acenaphthylene	ND	0.038	0.0049	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
Acetophenone	ND	0.40	0.041	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
Aniline	ND	0.40	0.075	mg/Kg dry	1	V-34	SW-846 8270E	11/20/25	11/24/25 22:13	BGL
Anthracene	ND	0.038	0.0044	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
Benzo(a)anthracene	0.035	0.038	0.0061	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/24/25 22:13	BGL
Benzo(a)pyrene	0.049	0.038	0.013	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
Benzo(b)fluoranthene	0.076	0.038	0.0096	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
Benzo(g,h,i)perylene	0.061	0.038	0.015	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
Benzo(k)fluoranthene	0.028	0.038	0.0079	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/24/25 22:13	BGL
Bis(2-chloroethoxy)methane	ND	0.40	0.040	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
Bis(2-chloroethyl)ether	ND	0.40	0.052	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
2,2'-oxybis(1-Chloropropane)	ND	0.40	0.16	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.40	0.054	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
4-Bromophenylphenylether	ND	0.40	0.035	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
Butylbenzylphthalate	ND	0.40	0.045	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
Carbazole	ND	0.20	0.041	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
4-Chloroaniline	ND	0.77	0.064	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
4-Chloro-3-methylphenol	ND	0.77	0.042	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
2-Chloronaphthalene	ND	0.40	0.035	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
2-Chlorophenol	ND	0.40	0.035	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
4-Chlorophenylphenylether	ND	0.40	0.036	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
Chrysene	0.039	0.038	0.0050	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
Dibenz(a,h)anthracene	ND	0.038	0.017	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
Dibenzofuran	ND	0.40	0.039	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
Di-n-butylphthalate	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
3,3-Dichlorobenzidine	ND	0.20	0.071	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
2,4-Dichlorophenol	ND	0.40	0.037	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
Diethylphthalate	ND	0.40	0.038	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
2,4-Dimethylphenol	ND	0.40	0.082	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
Dimethylphthalate	ND	0.40	0.035	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
4,6-Dinitro-2-methylphenol	ND	0.40	0.32	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
2,4-Dinitrophenol	ND	0.77	0.37	mg/Kg dry	1	V-04, V-06	SW-846 8270E	11/20/25	11/24/25 22:13	BGL
2,4-Dinitrotoluene	ND	0.40	0.094	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
2,6-Dinitrotoluene	ND	0.40	0.050	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
Di-n-octylphthalate	ND	0.40	0.058	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
Fluoranthene	0.054	0.038	0.0055	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
Fluorene	ND	0.038	0.0047	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
Hexachlorobenzene	ND	0.40	0.040	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: C-3 (2-12in) Sampled: 11/17/2025 14:05

Sample ID: 25K1213-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.40	0.041	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
Hexachlorocyclopentadiene	ND	0.40	0.20	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
Hexachloroethane	ND	0.40	0.036	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
Indeno(1,2,3-cd)pyrene	0.051	0.038	0.016	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
Isophorone	ND	0.40	0.042	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
1-Methylnaphthalene	0.0058	0.038	0.0049	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/24/25 22:13	BGL
2-Methylnaphthalene	0.011	0.038	0.0044	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/24/25 22:13	BGL
2-Methylphenol	ND	0.40	0.050	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
3/4-Methylphenol	ND	0.40	0.065	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
Naphthalene	ND	0.038	0.0056	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
2-Nitroaniline	ND	0.40	0.061	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
3-Nitroaniline	ND	0.40	0.052	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
4-Nitroaniline	ND	0.40	0.056	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
Nitrobenzene	ND	0.40	0.044	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
2-Nitrophenol	ND	0.40	0.041	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
4-Nitrophenol	ND	0.77	0.15	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.40	0.051	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
N-Nitrosodi-n-propylamine	ND	0.40	0.049	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
Pentachlorophenol	ND	0.40	0.050	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
Phenanthrene	0.014	0.038	0.0040	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/24/25 22:13	BGL
Phenol	ND	0.40	0.038	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
Pyrene	0.045	0.038	0.0066	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
Pyridine	ND	0.40	0.050	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.40	0.038	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
2,4,5-Trichlorophenol	ND	0.40	0.040	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL
2,4,6-Trichlorophenol	ND	0.40	0.035	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:13	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	47.2	30-130		11/24/25 22:13
Phenol-d6	46.9	30-130		11/24/25 22:13
Nitrobenzene-d5	48.1	30-130		11/24/25 22:13
2-Fluorobiphenyl	54.2	30-130		11/24/25 22:13
2,4,6-Tribromophenol	53.1	30-130		11/24/25 22:13
p-Terphenyl-d14	55.5	30-130		11/24/25 22:13

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: C-3 (2-12in) Sampled: 11/17/2025 14:05

Sample ID: 25K1213-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.7		% Wt	1		SM 2540G	11/20/25	11/20/25 15:41	DMB

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: C-3 (2-12in) Sampled: 11/17/2025 14:05

Sample ID: 25K1213-04

Sample Matrix: Soil

Total Metals - Mansfield Lab

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum, Total	9630	9.04	2.94	mg/kg	2		6010D	11/25/25	11/28/25 8:18	LRS
Mercury, Total	ND	0.073	0.048	mg/kg	1	U	7471B	11/25/25	11/26/25 12:54	CME
Antimony, Total	ND	4.52	3.48	mg/kg	2	U	6010D	11/25/25	11/28/25 8:18	LRS
Arsenic, Total	5.91	0.904	0.391	mg/kg	2		6010D	11/25/25	11/28/25 8:18	LRS
Barium, Total	129	0.904	0.096	mg/kg	2		6010D	11/25/25	11/28/25 8:18	LRS
Beryllium, Total	0.503	0.452	0.050	mg/kg	2		6010D	11/25/25	11/28/25 8:18	LRS
Boron, Total	1.54	2.71	0.522	mg/kg	2	Ja	6010D	11/25/25	11/28/25 8:18	LRS
Cadmium, Total	0.204	0.904	0.050	mg/kg	2	Ja	6010D	11/25/25	11/28/25 8:18	LRS
Calcium, Total	3560	9.04	5.13	mg/kg	2		6010D	11/25/25	11/28/25 8:18	LRS
Chromium, Total	12.6	0.904	0.767	mg/kg	2		6010D	11/25/25	11/28/25 8:18	LRS
Cobalt, Total	9.58	1.81	0.224	mg/kg	2		6010D	11/25/25	11/28/25 8:18	LRS
Copper, Total	13.8	0.904	0.205	mg/kg	2		6010D	11/25/25	11/28/25 8:18	LRS
Iron, Total	21300	4.52	0.950	mg/kg	2		6010D	11/25/25	11/28/25 8:18	LRS
Lead, Total	8.92	4.52	0.215	mg/kg	2		6010D	11/25/25	11/28/25 8:18	LRS
Magnesium, Total	3470	9.04	1.47	mg/kg	2		6010D	11/25/25	11/28/25 8:18	LRS
Manganese, Total	463	0.904	0.485	mg/kg	2		6010D	11/25/25	11/28/25 8:18	LRS
Nickel, Total	19.0	2.26	0.731	mg/kg	2		6010D	11/25/25	11/28/25 8:18	LRS
Potassium, Total	667	226	45.9	mg/kg	2		6010D	11/25/25	11/28/25 8:18	LRS
Selenium, Total	ND	1.81	0.298	mg/kg	2	U	6010D	11/25/25	11/28/25 8:18	LRS
Silver, Total	ND	0.452	0.270	mg/kg	2	U	6010D	11/25/25	11/28/25 8:18	LRS
Sodium, Total	669	181	95.9	mg/kg	2		6010D	11/25/25	11/28/25 8:18	LRS
Thallium, Total	ND	1.81	0.816	mg/kg	2	U	6010D	11/25/25	11/28/25 8:18	LRS
Vanadium, Total	15.3	0.904	0.136	mg/kg	2		6010D	11/25/25	11/28/25 8:18	LRS
Zinc, Total	52.1	4.52	0.548	mg/kg	2		6010D	11/25/25	11/28/25 8:18	LRS

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: E-4 (0-2in) Sampled: 11/17/2025 09:50

Sample ID: 25K1213-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,3,4,6-Tetrachlorophenol	ND	0.87	0.062	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
Atrazine	ND	0.87	0.060	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
Benzaldehyde	ND	0.44	0.061	mg/Kg dry	1	L-04, V-05, V-34	SW-846 8270E	11/20/25	11/24/25 22:37	BGL
Biphenyl	ND	0.087	0.049	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
Caprolactam	ND	0.44	0.076	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
Acenaphthene	ND	0.043	0.0048	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
Acenaphthylene	ND	0.043	0.0054	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
Acetophenone	ND	0.44	0.046	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
Aniline	ND	0.44	0.083	mg/Kg dry	1	V-34	SW-846 8270E	11/20/25	11/24/25 22:37	BGL
Anthracene	0.0086	0.043	0.0049	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/24/25 22:37	BGL
Benzo(a)anthracene	0.051	0.043	0.0067	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
Benzo(a)pyrene	0.082	0.043	0.014	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
Benzo(b)fluoranthene	0.12	0.043	0.011	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
Benzo(g,h,i)perylene	0.092	0.043	0.017	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
Benzo(k)fluoranthene	0.038	0.043	0.0088	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/24/25 22:37	BGL
Bis(2-chloroethoxy)methane	ND	0.44	0.044	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
Bis(2-chloroethyl)ether	ND	0.44	0.058	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
2,2'-oxybis(1-Chloropropane)	ND	0.44	0.18	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.44	0.059	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
4-Bromophenylphenylether	ND	0.44	0.039	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
Butylbenzylphthalate	ND	0.44	0.050	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
Carbazole	ND	0.22	0.045	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
4-Chloroaniline	ND	0.85	0.071	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
4-Chloro-3-methylphenol	ND	0.85	0.046	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
2-Chloronaphthalene	ND	0.44	0.039	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
2-Chlorophenol	ND	0.44	0.038	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
4-Chlorophenylphenylether	ND	0.44	0.040	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
Chrysene	0.060	0.043	0.0056	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
Dibenz(a,h)anthracene	0.021	0.043	0.019	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/24/25 22:37	BGL
Dibenzofuran	ND	0.44	0.043	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
Di-n-butylphthalate	ND	0.44	0.17	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
3,3-Dichlorobenzidine	ND	0.22	0.078	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
2,4-Dichlorophenol	ND	0.44	0.041	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
Diethylphthalate	ND	0.44	0.043	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
2,4-Dimethylphenol	ND	0.44	0.091	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
Dimethylphthalate	ND	0.44	0.039	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
4,6-Dinitro-2-methylphenol	ND	0.44	0.36	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
2,4-Dinitrophenol	ND	0.85	0.41	mg/Kg dry	1	V-04, V-06	SW-846 8270E	11/20/25	11/24/25 22:37	BGL
2,4-Dinitrotoluene	ND	0.44	0.10	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
2,6-Dinitrotoluene	ND	0.44	0.055	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
Di-n-octylphthalate	ND	0.44	0.065	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
Fluoranthene	0.089	0.043	0.0061	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
Fluorene	ND	0.043	0.0052	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
Hexachlorobenzene	ND	0.44	0.044	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: E-4 (0-2in) Sampled: 11/17/2025 09:50

Sample ID: 25K1213-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.44	0.045	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
Hexachlorocyclopentadiene	ND	0.44	0.22	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
Hexachloroethane	ND	0.44	0.040	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
Indeno(1,2,3-cd)pyrene	0.085	0.043	0.018	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
Isophorone	ND	0.44	0.047	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
1-Methylnaphthalene	ND	0.043	0.0054	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
2-Methylnaphthalene	ND	0.043	0.0049	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
2-Methylphenol	ND	0.44	0.055	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
3/4-Methylphenol	ND	0.44	0.072	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
Naphthalene	ND	0.043	0.0062	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
2-Nitroaniline	ND	0.44	0.067	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
3-Nitroaniline	ND	0.44	0.057	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
4-Nitroaniline	ND	0.44	0.062	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
Nitrobenzene	ND	0.44	0.049	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
2-Nitrophenol	ND	0.44	0.045	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
4-Nitrophenol	ND	0.85	0.17	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.44	0.057	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
N-Nitrosodi-n-propylamine	ND	0.44	0.054	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
Pentachlorophenol	ND	0.44	0.056	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
Phenanthrene	0.030	0.043	0.0044	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/24/25 22:37	BGL
Phenol	ND	0.44	0.042	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
Pyrene	0.078	0.043	0.0074	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
Pyridine	ND	0.44	0.056	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.44	0.042	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
2,4,5-Trichlorophenol	ND	0.44	0.044	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL
2,4,6-Trichlorophenol	ND	0.44	0.038	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 22:37	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	37.8	30-130		11/24/25 22:37
Phenol-d6	37.5	30-130		11/24/25 22:37
Nitrobenzene-d5	39.1	30-130		11/24/25 22:37
2-Fluorobiphenyl	42.0	30-130		11/24/25 22:37
2,4,6-Tribromophenol	43.9	30-130		11/24/25 22:37
p-Terphenyl-d14	43.3	30-130		11/24/25 22:37

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: E-4 (0-2in) Sampled: 11/17/2025 09:50

Sample ID: 25K1213-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	77.1		% Wt	1		SM 2540G	11/20/25	11/20/25 15:41	DMB

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: E-4 (0-2in) Sampled: 11/17/2025 09:50

Sample ID: 25K1213-05

Sample Matrix: Soil

Total Metals - Mansfield Lab

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum, Total	9370	9.90	3.22	mg/kg	2		6010D	11/25/25	11/28/25 8:20	LRS
Mercury, Total	ND	0.086	0.056	mg/kg	1	U	7471B	11/25/25	11/26/25 12:57	CME
Antimony, Total	ND	4.95	3.81	mg/kg	2	U	6010D	11/25/25	11/28/25 8:20	LRS
Arsenic, Total	5.84	0.990	0.428	mg/kg	2		6010D	11/25/25	11/28/25 8:20	LRS
Barium, Total	99.4	0.990	0.105	mg/kg	2		6010D	11/25/25	11/28/25 8:20	LRS
Beryllium, Total	0.503	0.495	0.054	mg/kg	2		6010D	11/25/25	11/28/25 8:20	LRS
Boron, Total	2.06	2.97	0.571	mg/kg	2	Ja	6010D	11/25/25	11/28/25 8:20	LRS
Cadmium, Total	0.156	0.990	0.054	mg/kg	2	Ja	6010D	11/25/25	11/28/25 8:20	LRS
Calcium, Total	3570	9.90	5.61	mg/kg	2		6010D	11/25/25	11/28/25 8:20	LRS
Chromium, Total	12.2	0.990	0.840	mg/kg	2		6010D	11/25/25	11/28/25 8:20	LRS
Cobalt, Total	8.60	1.98	0.246	mg/kg	2		6010D	11/25/25	11/28/25 8:20	LRS
Copper, Total	15.0	0.990	0.225	mg/kg	2		6010D	11/25/25	11/28/25 8:20	LRS
Iron, Total	19700	4.95	1.04	mg/kg	2		6010D	11/25/25	11/28/25 8:20	LRS
Lead, Total	11.9	4.95	0.236	mg/kg	2		6010D	11/25/25	11/28/25 8:20	LRS
Magnesium, Total	3790	9.90	1.61	mg/kg	2		6010D	11/25/25	11/28/25 8:20	LRS
Manganese, Total	596	0.990	0.531	mg/kg	2		6010D	11/25/25	11/28/25 8:20	LRS
Nickel, Total	19.1	2.48	0.800	mg/kg	2		6010D	11/25/25	11/28/25 8:20	LRS
Potassium, Total	666	248	50.2	mg/kg	2		6010D	11/25/25	11/28/25 8:20	LRS
Selenium, Total	ND	1.98	0.326	mg/kg	2	U	6010D	11/25/25	11/28/25 8:20	LRS
Silver, Total	ND	0.495	0.295	mg/kg	2	U	6010D	11/25/25	11/28/25 8:20	LRS
Sodium, Total	362	198	105	mg/kg	2		6010D	11/25/25	11/28/25 8:20	LRS
Thallium, Total	ND	1.98	0.893	mg/kg	2	U	6010D	11/25/25	11/28/25 8:20	LRS
Vanadium, Total	13.4	0.990	0.150	mg/kg	2		6010D	11/25/25	11/28/25 8:20	LRS
Zinc, Total	58.3	4.95	0.600	mg/kg	2		6010D	11/25/25	11/28/25 8:20	LRS

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: E-4 (2-12in) Sampled: 11/17/2025 09:55

Sample ID: 25K1213-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,3,4,6-Tetrachlorophenol	ND	0.81	0.058	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
Atrazine	ND	0.81	0.056	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
Benzaldehyde	ND	0.41	0.057	mg/Kg dry	1	L-04, V-05, V-34	SW-846 8270E	11/20/25	11/24/25 23:01	BGL
Biphenyl	ND	0.081	0.046	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
Caprolactam	ND	0.41	0.071	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
Acenaphthene	ND	0.040	0.0045	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
Acenaphthylene	0.010	0.040	0.0051	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/24/25 23:01	BGL
Acetophenone	ND	0.41	0.043	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
Aniline	ND	0.41	0.077	mg/Kg dry	1	V-34	SW-846 8270E	11/20/25	11/24/25 23:01	BGL
Anthracene	0.031	0.040	0.0046	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/24/25 23:01	BGL
Benzo(a)anthracene	0.34	0.040	0.0063	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
Benzo(a)pyrene	0.46	0.040	0.013	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
Benzo(b)fluoranthene	0.62	0.040	0.0099	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
Benzo(g,h,i)perylene	0.44	0.040	0.016	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
Benzo(k)fluoranthene	0.22	0.040	0.0082	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
Bis(2-chloroethoxy)methane	ND	0.41	0.041	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
Bis(2-chloroethyl)ether	ND	0.41	0.054	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
2,2'-oxybis(1-Chloropropane)	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.41	0.055	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
4-Bromophenylphenylether	ND	0.41	0.036	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
Butylbenzylphthalate	ND	0.41	0.046	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
Carbazole	ND	0.20	0.042	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
4-Chloroaniline	ND	0.79	0.066	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
4-Chloro-3-methylphenol	ND	0.79	0.043	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
2-Chloronaphthalene	ND	0.41	0.036	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
2-Chlorophenol	ND	0.41	0.036	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
4-Chlorophenylphenylether	ND	0.41	0.038	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
Chrysene	0.36	0.040	0.0052	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
Dibenz(a,h)anthracene	0.079	0.040	0.018	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
Dibenzofuran	ND	0.41	0.040	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
Di-n-butylphthalate	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
3,3-Dichlorobenzidine	ND	0.20	0.073	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
2,4-Dichlorophenol	ND	0.41	0.038	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
Diethylphthalate	ND	0.41	0.040	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
2,4-Dimethylphenol	ND	0.41	0.084	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
Dimethylphthalate	ND	0.41	0.036	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
4,6-Dinitro-2-methylphenol	ND	0.41	0.34	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
2,4-Dinitrophenol	ND	0.79	0.38	mg/Kg dry	1	V-04, V-06	SW-846 8270E	11/20/25	11/24/25 23:01	BGL
2,4-Dinitrotoluene	ND	0.41	0.097	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
2,6-Dinitrotoluene	ND	0.41	0.051	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
Di-n-octylphthalate	ND	0.41	0.060	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
Fluoranthene	0.61	0.040	0.0057	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
Fluorene	ND	0.040	0.0048	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
Hexachlorobenzene	ND	0.41	0.041	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: E-4 (2-12in) Sampled: 11/17/2025 09:55

Sample ID: 25K1213-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.41	0.042	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
Hexachlorocyclopentadiene	ND	0.41	0.20	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
Hexachloroethane	ND	0.41	0.037	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
Indeno(1,2,3-cd)pyrene	0.43	0.040	0.016	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
Isophorone	ND	0.41	0.044	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
1-Methylnaphthalene	ND	0.040	0.0051	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
2-Methylnaphthalene	ND	0.040	0.0046	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
2-Methylphenol	ND	0.41	0.051	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
3/4-Methylphenol	ND	0.41	0.067	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
Naphthalene	ND	0.040	0.0058	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
2-Nitroaniline	ND	0.41	0.063	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
3-Nitroaniline	ND	0.41	0.053	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
4-Nitroaniline	ND	0.41	0.058	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
Nitrobenzene	ND	0.41	0.046	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
2-Nitrophenol	ND	0.41	0.042	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
4-Nitrophenol	ND	0.79	0.16	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.41	0.053	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
N-Nitrosodi-n-propylamine	ND	0.41	0.051	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
Pentachlorophenol	ND	0.41	0.052	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
Phenanthrene	0.082	0.040	0.0041	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
Phenol	ND	0.41	0.039	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
Pyrene	0.53	0.040	0.0069	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
Pyridine	ND	0.41	0.052	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.41	0.039	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
2,4,5-Trichlorophenol	ND	0.41	0.041	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL
2,4,6-Trichlorophenol	ND	0.41	0.036	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:01	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	51.2	30-130		11/24/25 23:01
Phenol-d6	50.4	30-130		11/24/25 23:01
Nitrobenzene-d5	51.8	30-130		11/24/25 23:01
2-Fluorobiphenyl	56.7	30-130		11/24/25 23:01
2,4,6-Tribromophenol	61.6	30-130		11/24/25 23:01
p-Terphenyl-d14	62.6	30-130		11/24/25 23:01

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: E-4 (2-12in) Sampled: 11/17/2025 09:55

Sample ID: 25K1213-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.9		% Wt	1		SM 2540G	11/20/25	11/20/25 15:41	DMB

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: E-4 (2-12in) Sampled: 11/17/2025 09:55

Sample ID: 25K1213-06

Sample Matrix: Soil

Total Metals - Mansfield Lab

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum, Total	9840	9.34	3.03	mg/kg	2		6010D	11/25/25	11/28/25 8:22	LRS
Mercury, Total	ND	0.088	0.057	mg/kg	1	U	7471B	11/25/25	11/26/25 13:00	CME
Antimony, Total	ND	4.67	3.59	mg/kg	2	U	6010D	11/25/25	11/28/25 8:22	LRS
Arsenic, Total	5.16	0.934	0.403	mg/kg	2		6010D	11/25/25	11/28/25 8:22	LRS
Barium, Total	113	0.934	0.099	mg/kg	2		6010D	11/25/25	11/28/25 8:22	LRS
Beryllium, Total	0.507	0.467	0.051	mg/kg	2		6010D	11/25/25	11/28/25 8:22	LRS
Boron, Total	1.70	2.80	0.539	mg/kg	2	Ja	6010D	11/25/25	11/28/25 8:22	LRS
Cadmium, Total	0.155	0.934	0.051	mg/kg	2	Ja	6010D	11/25/25	11/28/25 8:22	LRS
Calcium, Total	7660	9.34	5.29	mg/kg	2		6010D	11/25/25	11/28/25 8:22	LRS
Chromium, Total	12.9	0.934	0.792	mg/kg	2		6010D	11/25/25	11/28/25 8:22	LRS
Cobalt, Total	9.36	1.87	0.232	mg/kg	2		6010D	11/25/25	11/28/25 8:22	LRS
Copper, Total	15.9	0.934	0.212	mg/kg	2		6010D	11/25/25	11/28/25 8:22	LRS
Iron, Total	21400	4.67	0.980	mg/kg	2		6010D	11/25/25	11/28/25 8:22	LRS
Lead, Total	7.86	4.67	0.222	mg/kg	2		6010D	11/25/25	11/28/25 8:22	LRS
Magnesium, Total	3800	9.34	1.52	mg/kg	2		6010D	11/25/25	11/28/25 8:22	LRS
Manganese, Total	412	0.934	0.500	mg/kg	2		6010D	11/25/25	11/28/25 8:22	LRS
Nickel, Total	19.2	2.33	0.754	mg/kg	2		6010D	11/25/25	11/28/25 8:22	LRS
Potassium, Total	714	233	47.3	mg/kg	2		6010D	11/25/25	11/28/25 8:22	LRS
Selenium, Total	ND	1.87	0.307	mg/kg	2	U	6010D	11/25/25	11/28/25 8:22	LRS
Silver, Total	ND	0.467	0.278	mg/kg	2	U	6010D	11/25/25	11/28/25 8:22	LRS
Sodium, Total	249	187	99.0	mg/kg	2		6010D	11/25/25	11/28/25 8:22	LRS
Thallium, Total	ND	1.87	0.842	mg/kg	2	U	6010D	11/25/25	11/28/25 8:22	LRS
Vanadium, Total	15.9	0.934	0.141	mg/kg	2		6010D	11/25/25	11/28/25 8:22	LRS
Zinc, Total	50.7	4.67	0.566	mg/kg	2		6010D	11/25/25	11/28/25 8:22	LRS

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: E-1 (0-2in) Sampled: 11/17/2025 10:10

Sample ID: 25K1213-07

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,3,4,6-Tetrachlorophenol	ND	0.89	0.064	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
Atrazine	ND	0.89	0.062	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
Benzaldehyde	ND	0.45	0.062	mg/Kg dry	1	L-04, V-05, V-34	SW-846 8270E	11/20/25	11/24/25 23:25	BGL
Biphenyl	ND	0.089	0.051	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
Caprolactam	ND	0.45	0.078	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
Acenaphthene	0.019	0.044	0.0049	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/24/25 23:25	BGL
Acenaphthylene	0.012	0.044	0.0056	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/24/25 23:25	BGL
Acetophenone	ND	0.45	0.047	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
Aniline	ND	0.45	0.085	mg/Kg dry	1	V-34	SW-846 8270E	11/20/25	11/24/25 23:25	BGL
Anthracene	0.077	0.044	0.0051	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
Benzo(a)anthracene	0.44	0.044	0.0069	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
Benzo(a)pyrene	0.53	0.044	0.015	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
Benzo(b)fluoranthene	0.76	0.044	0.011	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
Benzo(g,h,i)perylene	0.41	0.044	0.017	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
Benzo(k)fluoranthene	0.25	0.044	0.0090	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
Bis(2-chloroethoxy)methane	ND	0.45	0.046	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
Bis(2-chloroethyl)ether	ND	0.45	0.060	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
2,2'-oxybis(1-Chloropropane)	ND	0.45	0.18	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.45	0.061	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
4-Bromophenylphenylether	ND	0.45	0.040	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
Butylbenzylphthalate	ND	0.45	0.051	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
Carbazole	0.056	0.23	0.047	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/24/25 23:25	BGL
4-Chloroaniline	ND	0.88	0.073	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
4-Chloro-3-methylphenol	ND	0.88	0.047	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
2-Chloronaphthalene	ND	0.45	0.040	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
2-Chlorophenol	ND	0.45	0.039	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
4-Chlorophenylphenylether	ND	0.45	0.041	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
Chrysene	0.53	0.044	0.0057	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
Dibenz(a,h)anthracene	0.097	0.044	0.020	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
Dibenzofuran	ND	0.45	0.044	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
Di-n-butylphthalate	ND	0.45	0.17	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
3,3-Dichlorobenzidine	ND	0.23	0.081	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
2,4-Dichlorophenol	ND	0.45	0.042	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
Diethylphthalate	ND	0.45	0.044	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
2,4-Dimethylphenol	ND	0.45	0.093	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
Dimethylphthalate	ND	0.45	0.040	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
4,6-Dinitro-2-methylphenol	ND	0.45	0.37	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
2,4-Dinitrophenol	ND	0.88	0.42	mg/Kg dry	1	V-04, V-06	SW-846 8270E	11/20/25	11/24/25 23:25	BGL
2,4-Dinitrotoluene	ND	0.45	0.11	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
2,6-Dinitrotoluene	ND	0.45	0.057	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
Di-n-octylphthalate	ND	0.45	0.066	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
Fluoranthene	1.3	0.044	0.0062	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
Fluorene	0.025	0.044	0.0053	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/24/25 23:25	BGL
Hexachlorobenzene	ND	0.45	0.045	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: E-1 (0-2in) Sampled: 11/17/2025 10:10

Sample ID: 25K1213-07

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.45	0.046	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
Hexachlorocyclopentadiene	ND	0.45	0.22	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
Hexachloroethane	ND	0.45	0.041	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
Indeno(1,2,3-cd)pyrene	0.45	0.044	0.018	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
Isophorone	ND	0.45	0.048	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
1-Methylnaphthalene	ND	0.044	0.0056	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
2-Methylnaphthalene	ND	0.044	0.0051	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
2-Methylphenol	ND	0.45	0.057	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
3/4-Methylphenol	ND	0.45	0.074	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
Naphthalene	0.0075	0.044	0.0064	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/24/25 23:25	BGL
2-Nitroaniline	ND	0.45	0.069	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
3-Nitroaniline	ND	0.45	0.059	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
4-Nitroaniline	ND	0.45	0.064	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
Nitrobenzene	ND	0.45	0.051	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
2-Nitrophenol	ND	0.45	0.046	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
4-Nitrophenol	ND	0.88	0.18	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.45	0.058	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
N-Nitrosodi-n-propylamine	ND	0.45	0.056	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
Pentachlorophenol	ND	0.45	0.058	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
Phenanthrene	0.50	0.044	0.0045	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
Phenol	ND	0.45	0.043	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
Pyrene	0.97	0.044	0.0076	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
Pyridine	ND	0.45	0.057	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.45	0.043	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
2,4,5-Trichlorophenol	ND	0.45	0.046	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL
2,4,6-Trichlorophenol	ND	0.45	0.039	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:25	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	50.4	30-130		11/24/25 23:25
Phenol-d6	50.7	30-130		11/24/25 23:25
Nitrobenzene-d5	54.6	30-130		11/24/25 23:25
2-Fluorobiphenyl	57.3	30-130		11/24/25 23:25
2,4,6-Tribromophenol	62.5	30-130		11/24/25 23:25
p-Terphenyl-d14	65.0	30-130		11/24/25 23:25

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: E-1 (0-2in) Sampled: 11/17/2025 10:10

Sample ID: 25K1213-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	75.1		% Wt	1		SM 2540G	11/20/25	11/20/25 15:41	DMB

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: E-1 (0-2in) Sampled: 11/17/2025 10:10

Sample ID: 25K1213-07

Sample Matrix: Soil

Total Metals - Mansfield Lab

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum, Total	7850	10.3	3.36	mg/kg	2		6010D	11/25/25	11/28/25 8:24	LRS
Mercury, Total	ND	0.086	0.056	mg/kg	1	U	7471B	11/25/25	11/26/25 13:10	CME
Antimony, Total	ND	5.17	3.98	mg/kg	2	U	6010D	11/25/25	11/28/25 8:24	LRS
Arsenic, Total	6.34	1.03	0.447	mg/kg	2		6010D	11/25/25	11/28/25 8:24	LRS
Barium, Total	98.6	1.03	0.110	mg/kg	2		6010D	11/25/25	11/28/25 8:24	LRS
Beryllium, Total	0.477	0.517	0.057	mg/kg	2	Ja	6010D	11/25/25	11/28/25 8:24	LRS
Boron, Total	5.12	3.10	0.597	mg/kg	2		6010D	11/25/25	11/28/25 8:24	LRS
Cadmium, Total	0.468	1.03	0.057	mg/kg	2	Ja	6010D	11/25/25	11/28/25 8:24	LRS
Calcium, Total	2280	10.3	5.87	mg/kg	2		6010D	11/25/25	11/28/25 8:24	LRS
Chromium, Total	10.8	1.03	0.877	mg/kg	2		6010D	11/25/25	11/28/25 8:24	LRS
Cobalt, Total	8.70	2.07	0.256	mg/kg	2		6010D	11/25/25	11/28/25 8:24	LRS
Copper, Total	14.4	1.03	0.235	mg/kg	2		6010D	11/25/25	11/28/25 8:24	LRS
Iron, Total	17600	5.17	1.09	mg/kg	2		6010D	11/25/25	11/28/25 8:24	LRS
Lead, Total	38.0	5.17	0.246	mg/kg	2		6010D	11/25/25	11/28/25 8:24	LRS
Magnesium, Total	2620	10.3	1.69	mg/kg	2		6010D	11/25/25	11/28/25 8:24	LRS
Manganese, Total	491	1.03	0.554	mg/kg	2		6010D	11/25/25	11/28/25 8:24	LRS
Nickel, Total	17.7	2.59	0.836	mg/kg	2		6010D	11/25/25	11/28/25 8:24	LRS
Potassium, Total	576	259	52.4	mg/kg	2		6010D	11/25/25	11/28/25 8:24	LRS
Selenium, Total	0.512	2.07	0.340	mg/kg	2	Ja	6010D	11/25/25	11/28/25 8:24	LRS
Silver, Total	ND	0.517	0.308	mg/kg	2	U	6010D	11/25/25	11/28/25 8:24	LRS
Sodium, Total	ND	207	110	mg/kg	2	U	6010D	11/25/25	11/28/25 8:24	LRS
Thallium, Total	ND	2.07	0.933	mg/kg	2	U	6010D	11/25/25	11/28/25 8:24	LRS
Vanadium, Total	10.9	1.03	0.156	mg/kg	2		6010D	11/25/25	11/28/25 8:24	LRS
Zinc, Total	65.0	5.17	0.627	mg/kg	2		6010D	11/25/25	11/28/25 8:24	LRS

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: E-1 (2-12in) Sampled: 11/17/2025 10:30

Sample ID: 25K1213-08

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,3,4,6-Tetrachlorophenol	ND	0.81	0.058	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
Atrazine	ND	0.81	0.056	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
Benzaldehyde	ND	0.41	0.057	mg/Kg dry	1	L-04, V-05, V-34	SW-846 8270E	11/20/25	11/24/25 23:50	BGL
Biphenyl	ND	0.081	0.046	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
Caprolactam	ND	0.41	0.071	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
Acenaphthene	0.0076	0.040	0.0045	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/24/25 23:50	BGL
Acenaphthylene	0.0092	0.040	0.0051	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/24/25 23:50	BGL
Acetophenone	ND	0.41	0.043	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
Aniline	ND	0.41	0.077	mg/Kg dry	1	V-34	SW-846 8270E	11/20/25	11/24/25 23:50	BGL
Anthracene	0.043	0.040	0.0046	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
Benzo(a)anthracene	0.28	0.040	0.0063	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
Benzo(a)pyrene	0.33	0.040	0.013	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
Benzo(b)fluoranthene	0.45	0.040	0.0099	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
Benzo(g,h,i)perylene	0.25	0.040	0.016	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
Benzo(k)fluoranthene	0.17	0.040	0.0082	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
Bis(2-chloroethoxy)methane	ND	0.41	0.041	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
Bis(2-chloroethyl)ether	ND	0.41	0.054	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
2,2'-oxybis(1-Chloropropane)	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.41	0.055	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
4-Bromophenylphenylether	ND	0.41	0.036	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
Butylbenzylphthalate	ND	0.41	0.046	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
Carbazole	ND	0.20	0.042	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
4-Chloroaniline	ND	0.80	0.066	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
4-Chloro-3-methylphenol	ND	0.80	0.043	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
2-Chloronaphthalene	ND	0.41	0.036	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
2-Chlorophenol	ND	0.41	0.036	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
4-Chlorophenylphenylether	ND	0.41	0.038	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
Chrysene	0.32	0.040	0.0052	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
Dibenz(a,h)anthracene	0.056	0.040	0.018	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
Dibenzofuran	ND	0.41	0.040	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
Di-n-butylphthalate	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
3,3-Dichlorobenzidine	ND	0.20	0.073	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
2,4-Dichlorophenol	ND	0.41	0.038	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
Diethylphthalate	ND	0.41	0.040	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
2,4-Dimethylphenol	ND	0.41	0.084	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
Dimethylphthalate	ND	0.41	0.036	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
4,6-Dinitro-2-methylphenol	ND	0.41	0.34	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
2,4-Dinitrophenol	ND	0.80	0.38	mg/Kg dry	1	V-04, V-06	SW-846 8270E	11/20/25	11/24/25 23:50	BGL
2,4-Dinitrotoluene	ND	0.41	0.097	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
2,6-Dinitrotoluene	ND	0.41	0.051	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
Di-n-octylphthalate	ND	0.41	0.060	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
Fluoranthene	0.76	0.040	0.0057	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
Fluorene	0.011	0.040	0.0048	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/24/25 23:50	BGL
Hexachlorobenzene	ND	0.41	0.041	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: E-1 (2-12in) Sampled: 11/17/2025 10:30

Sample ID: 25K1213-08

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.41	0.042	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
Hexachlorocyclopentadiene	ND	0.41	0.20	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
Hexachloroethane	ND	0.41	0.037	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
Indeno(1,2,3-cd)pyrene	0.27	0.040	0.016	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
Isophorone	ND	0.41	0.044	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
1-Methylnaphthalene	ND	0.040	0.0051	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
2-Methylnaphthalene	ND	0.040	0.0046	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
2-Methylphenol	ND	0.41	0.051	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
3/4-Methylphenol	ND	0.41	0.067	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
Naphthalene	ND	0.040	0.0058	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
2-Nitroaniline	ND	0.41	0.063	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
3-Nitroaniline	ND	0.41	0.053	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
4-Nitroaniline	ND	0.41	0.058	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
Nitrobenzene	ND	0.41	0.046	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
2-Nitrophenol	ND	0.41	0.042	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
4-Nitrophenol	ND	0.80	0.16	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.41	0.053	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
N-Nitrosodi-n-propylamine	ND	0.41	0.051	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
Pentachlorophenol	ND	0.41	0.052	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
Phenanthrene	0.26	0.040	0.0041	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
Phenol	ND	0.41	0.039	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
Pyrene	0.57	0.040	0.0069	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
Pyridine	ND	0.41	0.052	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.41	0.039	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
2,4,5-Trichlorophenol	ND	0.41	0.041	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL
2,4,6-Trichlorophenol	ND	0.41	0.036	mg/Kg dry	1		SW-846 8270E	11/20/25	11/24/25 23:50	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	51.9	30-130		11/24/25 23:50
Phenol-d6	52.1	30-130		11/24/25 23:50
Nitrobenzene-d5	54.4	30-130		11/24/25 23:50
2-Fluorobiphenyl	60.0	30-130		11/24/25 23:50
2,4,6-Tribromophenol	64.2	30-130		11/24/25 23:50
p-Terphenyl-d14	69.7	30-130		11/24/25 23:50

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: E-1 (2-12in) Sampled: 11/17/2025 10:30

Sample ID: 25K1213-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.8		% Wt	1		SM 2540G	11/20/25	11/20/25 15:41	DMB

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: E-1 (2-12in) Sampled: 11/17/2025 10:30

Sample ID: 25K1213-08

Sample Matrix: Soil

Total Metals - Mansfield Lab

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum, Total	7280	9.18	2.98	mg/kg	2		6010D	11/25/25	11/28/25 8:26	LRS
Mercury, Total	ND	0.086	0.056	mg/kg	1	U	7471B	11/25/25	11/26/25 13:14	CME
Antimony, Total	ND	4.59	3.53	mg/kg	2	U	6010D	11/25/25	11/28/25 8:26	LRS
Arsenic, Total	5.66	0.918	0.396	mg/kg	2		6010D	11/25/25	11/28/25 8:26	LRS
Barium, Total	94.6	0.918	0.097	mg/kg	2		6010D	11/25/25	11/28/25 8:26	LRS
Beryllium, Total	0.426	0.459	0.051	mg/kg	2	Ja	6010D	11/25/25	11/28/25 8:26	LRS
Boron, Total	5.11	2.75	0.530	mg/kg	2		6010D	11/25/25	11/28/25 8:26	LRS
Cadmium, Total	0.585	0.918	0.051	mg/kg	2	Ja	6010D	11/25/25	11/28/25 8:26	LRS
Calcium, Total	1870	9.18	5.20	mg/kg	2		6010D	11/25/25	11/28/25 8:26	LRS
Chromium, Total	9.51	0.918	0.778	mg/kg	2		6010D	11/25/25	11/28/25 8:26	LRS
Cobalt, Total	7.91	1.84	0.228	mg/kg	2		6010D	11/25/25	11/28/25 8:26	LRS
Copper, Total	11.9	0.918	0.208	mg/kg	2		6010D	11/25/25	11/28/25 8:26	LRS
Iron, Total	16100	4.59	0.964	mg/kg	2		6010D	11/25/25	11/28/25 8:26	LRS
Lead, Total	31.3	4.59	0.218	mg/kg	2		6010D	11/25/25	11/28/25 8:26	LRS
Magnesium, Total	2370	9.18	1.50	mg/kg	2		6010D	11/25/25	11/28/25 8:26	LRS
Manganese, Total	536	0.918	0.492	mg/kg	2		6010D	11/25/25	11/28/25 8:26	LRS
Nickel, Total	16.0	2.29	0.742	mg/kg	2		6010D	11/25/25	11/28/25 8:26	LRS
Potassium, Total	444	229	46.5	mg/kg	2		6010D	11/25/25	11/28/25 8:26	LRS
Selenium, Total	0.425	1.84	0.302	mg/kg	2	Ja	6010D	11/25/25	11/28/25 8:26	LRS
Silver, Total	ND	0.459	0.273	mg/kg	2	U	6010D	11/25/25	11/28/25 8:26	LRS
Sodium, Total	ND	184	97.3	mg/kg	2	U	6010D	11/25/25	11/28/25 8:26	LRS
Thallium, Total	ND	1.84	0.828	mg/kg	2	U	6010D	11/25/25	11/28/25 8:26	LRS
Vanadium, Total	10.0	0.918	0.138	mg/kg	2		6010D	11/25/25	11/28/25 8:26	LRS
Zinc, Total	55.1	4.59	0.556	mg/kg	2		6010D	11/25/25	11/28/25 8:26	LRS

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: C-1 (0-2in) Sampled: 11/17/2025 11:25

Sample ID: 25K1213-09

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,3,4,6-Tetrachlorophenol	ND	0.84	0.060	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
Atrazine	ND	0.84	0.058	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
Benzaldehyde	ND	0.42	0.059	mg/Kg dry	1	L-04, V-05, V-34	SW-846 8270E	11/20/25	11/25/25 0:14	BGL
Biphenyl	ND	0.084	0.048	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
Caprolactam	ND	0.42	0.073	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
Acenaphthene	ND	0.041	0.0046	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
Acenaphthylene	0.012	0.041	0.0052	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/25/25 0:14	BGL
Acetophenone	ND	0.42	0.044	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
Aniline	ND	0.42	0.080	mg/Kg dry	1	V-34	SW-846 8270E	11/20/25	11/25/25 0:14	BGL
Anthracene	0.010	0.041	0.0047	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/25/25 0:14	BGL
Benzo(a)anthracene	0.045	0.041	0.0065	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
Benzo(a)pyrene	0.053	0.041	0.014	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
Benzo(b)fluoranthene	0.083	0.041	0.010	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
Benzo(g,h,i)perylene	0.044	0.041	0.016	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
Benzo(k)fluoranthene	0.027	0.041	0.0085	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/25/25 0:14	BGL
Bis(2-chloroethoxy)methane	ND	0.42	0.043	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
Bis(2-chloroethyl)ether	ND	0.42	0.056	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
2,2'-oxybis(1-Chloropropane)	ND	0.42	0.17	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.42	0.057	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
4-Bromophenylphenylether	ND	0.42	0.037	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
Butylbenzylphthalate	ND	0.42	0.048	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
Carbazole	ND	0.21	0.044	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
4-Chloroaniline	ND	0.82	0.068	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
4-Chloro-3-methylphenol	ND	0.82	0.045	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
2-Chloronaphthalene	ND	0.42	0.037	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
2-Chlorophenol	ND	0.42	0.037	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
4-Chlorophenylphenylether	ND	0.42	0.039	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
Chrysene	0.051	0.041	0.0054	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
Dibenz(a,h)anthracene	ND	0.041	0.019	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
Dibenzofuran	ND	0.42	0.041	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
Di-n-butylphthalate	ND	0.42	0.16	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
3,3-Dichlorobenzidine	ND	0.21	0.076	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
2,4-Dichlorophenol	ND	0.42	0.040	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
Diethylphthalate	ND	0.42	0.041	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
2,4-Dimethylphenol	ND	0.42	0.088	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
Dimethylphthalate	ND	0.42	0.038	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
4,6-Dinitro-2-methylphenol	ND	0.42	0.35	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
2,4-Dinitrophenol	ND	0.82	0.40	mg/Kg dry	1	V-04, V-06	SW-846 8270E	11/20/25	11/25/25 0:14	BGL
2,4-Dinitrotoluene	ND	0.42	0.10	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
2,6-Dinitrotoluene	ND	0.42	0.053	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
Di-n-octylphthalate	ND	0.42	0.062	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
Fluoranthene	0.067	0.041	0.0059	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
Fluorene	ND	0.041	0.0050	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
Hexachlorobenzene	ND	0.42	0.043	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: C-1 (0-2in) Sampled: 11/17/2025 11:25

Sample ID: 25K1213-09

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.42	0.044	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
Hexachlorocyclopentadiene	ND	0.42	0.21	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
Hexachloroethane	ND	0.42	0.038	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
Indeno(1,2,3-cd)pyrene	0.054	0.041	0.017	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
Isophorone	ND	0.42	0.045	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
1-Methylnaphthalene	ND	0.041	0.0052	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
2-Methylnaphthalene	ND	0.041	0.0047	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
2-Methylphenol	ND	0.42	0.053	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
3/4-Methylphenol	ND	0.42	0.069	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
Naphthalene	ND	0.041	0.0060	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
2-Nitroaniline	ND	0.42	0.065	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
3-Nitroaniline	ND	0.42	0.055	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
4-Nitroaniline	ND	0.42	0.060	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
Nitrobenzene	ND	0.42	0.048	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
2-Nitrophenol	ND	0.42	0.044	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
4-Nitrophenol	ND	0.82	0.17	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.42	0.055	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
N-Nitrosodi-n-propylamine	ND	0.42	0.052	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
Pentachlorophenol	ND	0.42	0.054	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
Phenanthrene	0.020	0.041	0.0042	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/25/25 0:14	BGL
Phenol	ND	0.42	0.040	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
Pyrene	0.062	0.041	0.0071	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
Pyridine	ND	0.42	0.054	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.42	0.041	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
2,4,5-Trichlorophenol	ND	0.42	0.043	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL
2,4,6-Trichlorophenol	ND	0.42	0.037	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:14	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	47.9	30-130		11/25/25 0:14
Phenol-d6	50.1	30-130		11/25/25 0:14
Nitrobenzene-d5	50.8	30-130		11/25/25 0:14
2-Fluorobiphenyl	57.0	30-130		11/25/25 0:14
2,4,6-Tribromophenol	62.3	30-130		11/25/25 0:14
p-Terphenyl-d14	67.0	30-130		11/25/25 0:14

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: C-1 (0-2in) Sampled: 11/17/2025 11:25

Sample ID: 25K1213-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.9		% Wt	1		SM 2540G	11/20/25	11/20/25 15:41	DMB

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: C-1 (0-2in) Sampled: 11/17/2025 11:25

Sample ID: 25K1213-09

Sample Matrix: Soil

Total Metals - Mansfield Lab

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum, Total	9070	9.60	3.12	mg/kg	2		6010D	11/25/25	11/28/25 8:29	LRS
Mercury, Total	ND	0.092	0.060	mg/kg	1	U	7471B	11/25/25	11/26/25 13:17	CME
Antimony, Total	ND	4.80	3.70	mg/kg	2	U	6010D	11/25/25	11/28/25 8:29	LRS
Arsenic, Total	6.11	0.960	0.415	mg/kg	2		6010D	11/25/25	11/28/25 8:29	LRS
Barium, Total	114	0.960	0.102	mg/kg	2		6010D	11/25/25	11/28/25 8:29	LRS
Beryllium, Total	0.498	0.480	0.053	mg/kg	2		6010D	11/25/25	11/28/25 8:29	LRS
Boron, Total	1.76	2.88	0.554	mg/kg	2	Ja	6010D	11/25/25	11/28/25 8:29	LRS
Cadmium, Total	0.257	0.960	0.053	mg/kg	2	Ja	6010D	11/25/25	11/28/25 8:29	LRS
Calcium, Total	4190	9.60	5.44	mg/kg	2		6010D	11/25/25	11/28/25 8:29	LRS
Chromium, Total	12.1	0.960	0.814	mg/kg	2		6010D	11/25/25	11/28/25 8:29	LRS
Cobalt, Total	8.62	1.92	0.238	mg/kg	2		6010D	11/25/25	11/28/25 8:29	LRS
Copper, Total	15.3	0.960	0.218	mg/kg	2		6010D	11/25/25	11/28/25 8:29	LRS
Iron, Total	19000	4.80	1.01	mg/kg	2		6010D	11/25/25	11/28/25 8:29	LRS
Lead, Total	16.1	4.80	0.228	mg/kg	2		6010D	11/25/25	11/28/25 8:29	LRS
Magnesium, Total	2880	9.60	1.56	mg/kg	2		6010D	11/25/25	11/28/25 8:29	LRS
Manganese, Total	674	0.960	0.514	mg/kg	2		6010D	11/25/25	11/28/25 8:29	LRS
Nickel, Total	18.6	2.40	0.776	mg/kg	2		6010D	11/25/25	11/28/25 8:29	LRS
Potassium, Total	657	240	48.7	mg/kg	2		6010D	11/25/25	11/28/25 8:29	LRS
Selenium, Total	0.417	1.92	0.316	mg/kg	2	Ja	6010D	11/25/25	11/28/25 8:29	LRS
Silver, Total	ND	0.480	0.286	mg/kg	2	U	6010D	11/25/25	11/28/25 8:29	LRS
Sodium, Total	350	192	102	mg/kg	2		6010D	11/25/25	11/28/25 8:29	LRS
Thallium, Total	ND	1.92	0.866	mg/kg	2	U	6010D	11/25/25	11/28/25 8:29	LRS
Vanadium, Total	12.3	0.960	0.145	mg/kg	2		6010D	11/25/25	11/28/25 8:29	LRS
Zinc, Total	60.8	4.80	0.582	mg/kg	2		6010D	11/25/25	11/28/25 8:29	LRS

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: C-1 (2-12in) Sampled: 11/17/2025 11:30

Sample ID: 25K1213-10

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,3,4,6-Tetrachlorophenol	ND	0.76	0.054	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
Atrazine	ND	0.76	0.053	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
Benzaldehyde	ND	0.39	0.053	mg/Kg dry	1	L-04, V-05, V-34	SW-846 8270E	11/20/25	11/25/25 0:38	BGL
Biphenyl	ND	0.076	0.043	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
Caprolactam	ND	0.39	0.067	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
Acenaphthene	ND	0.037	0.0042	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
Acenaphthylene	0.010	0.037	0.0048	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/25/25 0:38	BGL
Acetophenone	ND	0.39	0.040	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
Aniline	ND	0.39	0.073	mg/Kg dry	1	V-34	SW-846 8270E	11/20/25	11/25/25 0:38	BGL
Anthracene	0.0076	0.037	0.0043	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/25/25 0:38	BGL
Benzo(a)anthracene	0.037	0.037	0.0059	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/25/25 0:38	BGL
Benzo(a)pyrene	0.051	0.037	0.013	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
Benzo(b)fluoranthene	0.065	0.037	0.0093	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
Benzo(g,h,i)perylene	0.047	0.037	0.015	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
Benzo(k)fluoranthene	0.026	0.037	0.0077	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/25/25 0:38	BGL
Bis(2-chloroethoxy)methane	ND	0.39	0.039	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
Bis(2-chloroethyl)ether	ND	0.39	0.051	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
2,2'-oxybis(1-Chloropropane)	ND	0.39	0.16	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.39	0.052	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
4-Bromophenylphenylether	ND	0.39	0.034	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
Butylbenzylphthalate	ND	0.39	0.044	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
Carbazole	ND	0.19	0.040	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
4-Chloroaniline	ND	0.75	0.062	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
4-Chloro-3-methylphenol	ND	0.75	0.041	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
2-Chloronaphthalene	ND	0.39	0.034	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
2-Chlorophenol	ND	0.39	0.034	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
4-Chlorophenylphenylether	ND	0.39	0.035	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
Chrysene	0.040	0.037	0.0049	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
Dibenz(a,h)anthracene	ND	0.037	0.017	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
Dibenzofuran	ND	0.39	0.038	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
Di-n-butylphthalate	ND	0.39	0.15	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
3,3-Dichlorobenzidine	ND	0.19	0.069	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
2,4-Dichlorophenol	ND	0.39	0.036	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
Diethylphthalate	ND	0.39	0.037	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
2,4-Dimethylphenol	ND	0.39	0.080	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
Dimethylphthalate	ND	0.39	0.034	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
4,6-Dinitro-2-methylphenol	ND	0.39	0.32	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
2,4-Dinitrophenol	ND	0.75	0.36	mg/Kg dry	1	V-04, V-06	SW-846 8270E	11/20/25	11/25/25 0:38	BGL
2,4-Dinitrotoluene	ND	0.39	0.091	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
2,6-Dinitrotoluene	ND	0.39	0.048	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
Di-n-octylphthalate	ND	0.39	0.057	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
Fluoranthene	0.042	0.037	0.0053	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
Fluorene	ND	0.037	0.0045	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
Hexachlorobenzene	ND	0.39	0.039	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: C-1 (2-12in) Sampled: 11/17/2025 11:30

Sample ID: 25K1213-10

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.39	0.040	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
Hexachlorocyclopentadiene	ND	0.39	0.19	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
Hexachloroethane	ND	0.39	0.035	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
Indeno(1,2,3-cd)pyrene	0.052	0.037	0.015	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
Isophorone	ND	0.39	0.041	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
1-Methylnaphthalene	ND	0.037	0.0048	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
2-Methylnaphthalene	ND	0.037	0.0043	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
2-Methylphenol	ND	0.39	0.048	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
3/4-Methylphenol	ND	0.39	0.063	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
Naphthalene	ND	0.037	0.0054	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
2-Nitroaniline	ND	0.39	0.059	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
3-Nitroaniline	ND	0.39	0.050	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
4-Nitroaniline	ND	0.39	0.054	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
Nitrobenzene	ND	0.39	0.043	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
2-Nitrophenol	ND	0.39	0.040	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
4-Nitrophenol	ND	0.75	0.15	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.39	0.050	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
N-Nitrosodi-n-propylamine	ND	0.39	0.048	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
Pentachlorophenol	ND	0.39	0.049	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
Phenanthrene	0.013	0.037	0.0039	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/25/25 0:38	BGL
Phenol	ND	0.39	0.037	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
Pyrene	0.041	0.037	0.0065	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
Pyridine	ND	0.39	0.049	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.39	0.037	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
2,4,5-Trichlorophenol	ND	0.39	0.039	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL
2,4,6-Trichlorophenol	ND	0.39	0.034	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 0:38	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	50.3	30-130		11/25/25 0:38
Phenol-d6	49.9	30-130		11/25/25 0:38
Nitrobenzene-d5	52.5	30-130		11/25/25 0:38
2-Fluorobiphenyl	57.6	30-130		11/25/25 0:38
2,4,6-Tribromophenol	57.8	30-130		11/25/25 0:38
p-Terphenyl-d14	65.5	30-130		11/25/25 0:38

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: C-1 (2-12in) Sampled: 11/17/2025 11:30

Sample ID: 25K1213-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.9		% Wt	1		SM 2540G	11/20/25	11/20/25 15:41	DMB

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: C-1 (2-12in) Sampled: 11/17/2025 11:30

Sample ID: 25K1213-10

Sample Matrix: Soil

Total Metals - Mansfield Lab

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum, Total	9360	8.84	2.87	mg/kg	2		6010D	11/25/25	11/28/25 8:31	LRS
Mercury, Total	ND	0.077	0.050	mg/kg	1	U	7471B	11/25/25	11/26/25 13:20	CME
Antimony, Total	ND	4.42	3.40	mg/kg	2	U	6010D	11/25/25	11/28/25 8:31	LRS
Arsenic, Total	5.76	0.884	0.382	mg/kg	2		6010D	11/25/25	11/28/25 8:31	LRS
Barium, Total	132	0.884	0.094	mg/kg	2		6010D	11/25/25	11/28/25 8:31	LRS
Beryllium, Total	0.492	0.442	0.049	mg/kg	2		6010D	11/25/25	11/28/25 8:31	LRS
Boron, Total	1.54	2.65	0.510	mg/kg	2	Ja	6010D	11/25/25	11/28/25 8:31	LRS
Cadmium, Total	0.180	0.884	0.049	mg/kg	2	Ja	6010D	11/25/25	11/28/25 8:31	LRS
Calcium, Total	7790	8.84	5.01	mg/kg	2		6010D	11/25/25	11/28/25 8:31	LRS
Chromium, Total	12.2	0.884	0.750	mg/kg	2		6010D	11/25/25	11/28/25 8:31	LRS
Cobalt, Total	8.98	1.77	0.219	mg/kg	2		6010D	11/25/25	11/28/25 8:31	LRS
Copper, Total	14.7	0.884	0.201	mg/kg	2		6010D	11/25/25	11/28/25 8:31	LRS
Iron, Total	19600	4.42	0.928	mg/kg	2		6010D	11/25/25	11/28/25 8:31	LRS
Lead, Total	12.2	4.42	0.210	mg/kg	2		6010D	11/25/25	11/28/25 8:31	LRS
Magnesium, Total	3440	8.84	1.44	mg/kg	2		6010D	11/25/25	11/28/25 8:31	LRS
Manganese, Total	540	0.884	0.474	mg/kg	2		6010D	11/25/25	11/28/25 8:31	LRS
Nickel, Total	18.0	2.21	0.714	mg/kg	2		6010D	11/25/25	11/28/25 8:31	LRS
Potassium, Total	648	221	44.8	mg/kg	2		6010D	11/25/25	11/28/25 8:31	LRS
Selenium, Total	ND	1.77	0.291	mg/kg	2	U	6010D	11/25/25	11/28/25 8:31	LRS
Silver, Total	ND	0.442	0.263	mg/kg	2	U	6010D	11/25/25	11/28/25 8:31	LRS
Sodium, Total	357	177	93.7	mg/kg	2		6010D	11/25/25	11/28/25 8:31	LRS
Thallium, Total	ND	1.77	0.797	mg/kg	2	U	6010D	11/25/25	11/28/25 8:31	LRS
Vanadium, Total	14.0	0.884	0.133	mg/kg	2		6010D	11/25/25	11/28/25 8:31	LRS
Zinc, Total	54.5	4.42	0.536	mg/kg	2		6010D	11/25/25	11/28/25 8:31	LRS

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: B-1 (0-2in) Sampled: 11/17/2025 11:45

Sample ID: 25K1213-11

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,3,4,6-Tetrachlorophenol	ND	0.84	0.060	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
Atrazine	ND	0.84	0.058	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
Benzaldehyde	ND	0.43	0.059	mg/Kg dry	1	L-04, V-05, V-34	SW-846 8270E	11/20/25	11/25/25 1:02	BGL
Biphenyl	ND	0.084	0.048	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
Caprolactam	ND	0.43	0.074	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
Acenaphthene	ND	0.042	0.0047	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
Acenaphthylene	0.023	0.042	0.0053	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/25/25 1:02	BGL
Acetophenone	ND	0.43	0.045	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
Aniline	ND	0.43	0.081	mg/Kg dry	1	V-34	SW-846 8270E	11/20/25	11/25/25 1:02	BGL
Anthracene	0.015	0.042	0.0048	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/25/25 1:02	BGL
Benzo(a)anthracene	0.096	0.042	0.0065	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
Benzo(a)pyrene	0.12	0.042	0.014	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
Benzo(b)fluoranthene	0.20	0.042	0.010	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
Benzo(g,h,i)perylene	0.096	0.042	0.016	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
Benzo(k)fluoranthene	0.065	0.042	0.0086	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
Bis(2-chloroethoxy)methane	ND	0.43	0.043	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
Bis(2-chloroethyl)ether	ND	0.43	0.057	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
2,2'-oxybis(1-Chloropropane)	ND	0.43	0.17	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.43	0.058	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
4-Bromophenylphenylether	ND	0.43	0.038	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
Butylbenzylphthalate	ND	0.43	0.048	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
Carbazole	ND	0.21	0.044	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
4-Chloroaniline	ND	0.83	0.069	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
4-Chloro-3-methylphenol	ND	0.83	0.045	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
2-Chloronaphthalene	ND	0.43	0.037	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
2-Chlorophenol	ND	0.43	0.037	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
4-Chlorophenylphenylether	ND	0.43	0.039	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
Chrysene	0.15	0.042	0.0054	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
Dibenz(a,h)anthracene	0.029	0.042	0.019	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/25/25 1:02	BGL
Dibenzofuran	ND	0.43	0.042	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
Di-n-butylphthalate	ND	0.43	0.16	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
3,3-Dichlorobenzidine	ND	0.21	0.076	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
2,4-Dichlorophenol	ND	0.43	0.040	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
Diethylphthalate	ND	0.43	0.042	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
2,4-Dimethylphenol	ND	0.43	0.088	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
Dimethylphthalate	ND	0.43	0.038	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
4,6-Dinitro-2-methylphenol	ND	0.43	0.35	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
2,4-Dinitrophenol	ND	0.83	0.40	mg/Kg dry	1	V-04, V-06	SW-846 8270E	11/20/25	11/25/25 1:02	BGL
2,4-Dinitrotoluene	ND	0.43	0.10	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
2,6-Dinitrotoluene	ND	0.43	0.054	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
Di-n-octylphthalate	ND	0.43	0.063	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
Fluoranthene	0.21	0.042	0.0059	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
Fluorene	0.0084	0.042	0.0050	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/25/25 1:02	BGL
Hexachlorobenzene	ND	0.43	0.043	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: B-1 (0-2in) Sampled: 11/17/2025 11:45

Sample ID: 25K1213-11

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.43	0.044	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
Hexachlorocyclopentadiene	ND	0.43	0.21	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
Hexachloroethane	ND	0.43	0.038	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
Indeno(1,2,3-cd)pyrene	0.11	0.042	0.017	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
Isophorone	ND	0.43	0.046	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
1-Methylnaphthalene	0.014	0.042	0.0053	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/25/25 1:02	BGL
2-Methylnaphthalene	0.020	0.042	0.0048	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/25/25 1:02	BGL
2-Methylphenol	ND	0.43	0.054	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
3/4-Methylphenol	ND	0.43	0.070	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
Naphthalene	0.018	0.042	0.0060	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/25/25 1:02	BGL
2-Nitroaniline	ND	0.43	0.066	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
3-Nitroaniline	ND	0.43	0.056	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
4-Nitroaniline	ND	0.43	0.060	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
Nitrobenzene	ND	0.43	0.048	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
2-Nitrophenol	ND	0.43	0.044	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
4-Nitrophenol	ND	0.83	0.17	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.43	0.055	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
N-Nitrosodi-n-propylamine	ND	0.43	0.053	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
Pentachlorophenol	ND	0.43	0.054	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
Phenanthrene	0.089	0.042	0.0043	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
Phenol	ND	0.43	0.041	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
Pyrene	0.17	0.042	0.0072	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
Pyridine	ND	0.43	0.054	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.43	0.041	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
2,4,5-Trichlorophenol	ND	0.43	0.043	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL
2,4,6-Trichlorophenol	ND	0.43	0.037	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:02	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	37.5	30-130		11/25/25 1:02
Phenol-d6	38.7	30-130		11/25/25 1:02
Nitrobenzene-d5	40.0	30-130		11/25/25 1:02
2-Fluorobiphenyl	46.3	30-130		11/25/25 1:02
2,4,6-Tribromophenol	51.4	30-130		11/25/25 1:02
p-Terphenyl-d14	53.8	30-130		11/25/25 1:02

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: B-1 (0-2in) Sampled: 11/17/2025 11:45

Sample ID: 25K1213-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.3		% Wt	1		SM 2540G	11/20/25	11/20/25 15:41	DMB

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: B-1 (0-2in) Sampled: 11/17/2025 11:45

Sample ID: 25K1213-11

Sample Matrix: Soil

Total Metals - Mansfield Lab

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum, Total	7100	9.52	3.10	mg/kg	2		6010D	11/25/25	11/28/25 8:33	LRS
Mercury, Total	0.085	0.086	0.056	mg/kg	1	Ja	7471B	11/25/25	11/26/25 13:24	CME
Antimony, Total	ND	4.76	3.67	mg/kg	2	U	6010D	11/25/25	11/28/25 8:33	LRS
Arsenic, Total	9.10	0.952	0.411	mg/kg	2		6010D	11/25/25	11/28/25 8:33	LRS
Barium, Total	101	0.952	0.101	mg/kg	2		6010D	11/25/25	11/28/25 8:33	LRS
Beryllium, Total	0.577	0.476	0.052	mg/kg	2		6010D	11/25/25	11/28/25 8:33	LRS
Boron, Total	5.30	2.86	0.550	mg/kg	2		6010D	11/25/25	11/28/25 8:33	LRS
Cadmium, Total	1.02	0.952	0.052	mg/kg	2		6010D	11/25/25	11/28/25 8:33	LRS
Calcium, Total	2650	9.52	5.40	mg/kg	2		6010D	11/25/25	11/28/25 8:33	LRS
Chromium, Total	11.5	0.952	0.808	mg/kg	2		6010D	11/25/25	11/28/25 8:33	LRS
Cobalt, Total	11.3	1.90	0.236	mg/kg	2		6010D	11/25/25	11/28/25 8:33	LRS
Copper, Total	27.6	0.952	0.216	mg/kg	2		6010D	11/25/25	11/28/25 8:33	LRS
Iron, Total	17800	4.76	1.00	mg/kg	2		6010D	11/25/25	11/28/25 8:33	LRS
Lead, Total	102	4.76	0.227	mg/kg	2		6010D	11/25/25	11/28/25 8:33	LRS
Magnesium, Total	2390	9.52	1.55	mg/kg	2		6010D	11/25/25	11/28/25 8:33	LRS
Manganese, Total	598	0.952	0.510	mg/kg	2		6010D	11/25/25	11/28/25 8:33	LRS
Nickel, Total	20.7	2.38	0.770	mg/kg	2		6010D	11/25/25	11/28/25 8:33	LRS
Potassium, Total	736	238	48.3	mg/kg	2		6010D	11/25/25	11/28/25 8:33	LRS
Selenium, Total	0.847	1.90	0.313	mg/kg	2	Ja	6010D	11/25/25	11/28/25 8:33	LRS
Silver, Total	ND	0.476	0.284	mg/kg	2	U	6010D	11/25/25	11/28/25 8:33	LRS
Sodium, Total	ND	190	101	mg/kg	2	U	6010D	11/25/25	11/28/25 8:33	LRS
Thallium, Total	ND	1.90	0.859	mg/kg	2	U	6010D	11/25/25	11/28/25 8:33	LRS
Vanadium, Total	10.8	0.952	0.144	mg/kg	2		6010D	11/25/25	11/28/25 8:33	LRS
Zinc, Total	120	4.76	0.577	mg/kg	2		6010D	11/25/25	11/28/25 8:33	LRS

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: B-1 (2-12in) Sampled: 11/17/2025 11:50

Sample ID: 25K1213-12

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,3,4,6-Tetrachlorophenol	ND	0.75	0.054	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
Atrazine	ND	0.75	0.052	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
Benzaldehyde	ND	0.38	0.053	mg/Kg dry	1	L-04, V-05, V-34	SW-846 8270E	11/20/25	11/25/25 1:26	BGL
Biphenyl	ND	0.075	0.043	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
Caprolactam	ND	0.38	0.066	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
Acenaphthene	0.0068	0.037	0.0042	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/25/25 1:26	BGL
Acenaphthylene	0.041	0.037	0.0047	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
Acetophenone	ND	0.38	0.040	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
Aniline	ND	0.38	0.072	mg/Kg dry	1	V-34	SW-846 8270E	11/20/25	11/25/25 1:26	BGL
Anthracene	0.029	0.037	0.0043	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/25/25 1:26	BGL
Benzo(a)anthracene	0.12	0.037	0.0059	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
Benzo(a)pyrene	0.14	0.037	0.012	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
Benzo(b)fluoranthene	0.25	0.037	0.0092	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
Benzo(g,h,i)perylene	0.11	0.037	0.015	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
Benzo(k)fluoranthene	0.085	0.037	0.0077	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
Bis(2-chloroethoxy)methane	ND	0.38	0.039	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
Bis(2-chloroethyl)ether	ND	0.38	0.051	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
2,2'-oxybis(1-Chloropropane)	ND	0.38	0.15	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.38	0.052	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
4-Bromophenylphenylether	ND	0.38	0.034	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
Butylbenzylphthalate	ND	0.38	0.043	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
Carbazole	ND	0.19	0.039	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
4-Chloroaniline	ND	0.74	0.061	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
4-Chloro-3-methylphenol	ND	0.74	0.040	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
2-Chloronaphthalene	ND	0.38	0.034	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
2-Chlorophenol	ND	0.38	0.033	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
4-Chlorophenylphenylether	ND	0.38	0.035	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
Chrysene	0.22	0.037	0.0048	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
Dibenz(a,h)anthracene	0.036	0.037	0.017	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/25/25 1:26	BGL
Dibenzofuran	ND	0.38	0.037	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
Di-n-butylphthalate	ND	0.38	0.15	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
3,3-Dichlorobenzidine	ND	0.19	0.068	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
2,4-Dichlorophenol	ND	0.38	0.036	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
Diethylphthalate	ND	0.38	0.037	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
2,4-Dimethylphenol	ND	0.38	0.079	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
Dimethylphthalate	ND	0.38	0.034	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
4,6-Dinitro-2-methylphenol	ND	0.38	0.31	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
2,4-Dinitrophenol	ND	0.74	0.36	mg/Kg dry	1	V-04, V-06	SW-846 8270E	11/20/25	11/25/25 1:26	BGL
2,4-Dinitrotoluene	ND	0.38	0.090	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
2,6-Dinitrotoluene	ND	0.38	0.048	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
Di-n-octylphthalate	ND	0.38	0.056	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
Fluoranthene	0.26	0.037	0.0053	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
Fluorene	ND	0.037	0.0045	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
Hexachlorobenzene	ND	0.38	0.038	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: B-1 (2-12in) Sampled: 11/17/2025 11:50

Sample ID: 25K1213-12

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.38	0.039	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
Hexachlorocyclopentadiene	ND	0.38	0.19	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
Hexachloroethane	ND	0.38	0.034	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
Indeno(1,2,3-cd)pyrene	0.12	0.037	0.015	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
Isophorone	ND	0.38	0.041	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
1-Methylnaphthalene	0.042	0.037	0.0047	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
2-Methylnaphthalene	0.052	0.037	0.0043	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
2-Methylphenol	ND	0.38	0.048	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
3/4-Methylphenol	ND	0.38	0.062	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
Naphthalene	0.054	0.037	0.0054	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
2-Nitroaniline	ND	0.38	0.059	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
3-Nitroaniline	ND	0.38	0.050	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
4-Nitroaniline	ND	0.38	0.054	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
Nitrobenzene	ND	0.38	0.043	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
2-Nitrophenol	ND	0.38	0.039	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
4-Nitrophenol	ND	0.74	0.15	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.38	0.050	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
N-Nitrosodi-n-propylamine	ND	0.38	0.047	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
Pentachlorophenol	ND	0.38	0.049	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
Phenanthrene	0.15	0.037	0.0038	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
Phenol	ND	0.38	0.036	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
Pyrene	0.21	0.037	0.0064	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
Pyridine	ND	0.38	0.048	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.38	0.037	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
2,4,5-Trichlorophenol	ND	0.38	0.039	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL
2,4,6-Trichlorophenol	ND	0.38	0.033	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 1:26	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	52.0	30-130		11/25/25 1:26
Phenol-d6	51.6	30-130		11/25/25 1:26
Nitrobenzene-d5	55.1	30-130		11/25/25 1:26
2-Fluorobiphenyl	60.0	30-130		11/25/25 1:26
2,4,6-Tribromophenol	60.3	30-130		11/25/25 1:26
p-Terphenyl-d14	66.4	30-130		11/25/25 1:26

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: B-1 (2-12in) Sampled: 11/17/2025 11:50

Sample ID: 25K1213-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.6		% Wt	1		SM 2540G	11/20/25	11/20/25 15:41	DMB

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: B-1 (2-12in) Sampled: 11/17/2025 11:50

Sample ID: 25K1213-12

Sample Matrix: Soil

Total Metals - Mansfield Lab

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum, Total	6310	8.85	2.88	mg/kg	2		6010D	11/25/25	11/28/25 8:35	LRS
Mercury, Total	0.082	0.072	0.047	mg/kg	1		7471B	11/25/25	11/26/25 13:27	CME
Antimony, Total	ND	4.43	3.41	mg/kg	2	U	6010D	11/25/25	11/28/25 8:35	LRS
Arsenic, Total	14.1	0.885	0.382	mg/kg	2		6010D	11/25/25	11/28/25 8:35	LRS
Barium, Total	108	0.885	0.094	mg/kg	2		6010D	11/25/25	11/28/25 8:35	LRS
Beryllium, Total	0.519	0.443	0.049	mg/kg	2		6010D	11/25/25	11/28/25 8:35	LRS
Boron, Total	8.70	2.66	0.511	mg/kg	2		6010D	11/25/25	11/28/25 8:35	LRS
Cadmium, Total	0.884	0.885	0.049	mg/kg	2	Ja	6010D	11/25/25	11/28/25 8:35	LRS
Calcium, Total	5610	8.85	5.02	mg/kg	2		6010D	11/25/25	11/28/25 8:35	LRS
Chromium, Total	18.4	0.885	0.751	mg/kg	2		6010D	11/25/25	11/28/25 8:35	LRS
Cobalt, Total	10.3	1.77	0.220	mg/kg	2		6010D	11/25/25	11/28/25 8:35	LRS
Copper, Total	46.2	0.885	0.201	mg/kg	2		6010D	11/25/25	11/28/25 8:35	LRS
Iron, Total	22100	4.43	0.929	mg/kg	2		6010D	11/25/25	11/28/25 8:35	LRS
Lead, Total	123	4.43	0.211	mg/kg	2		6010D	11/25/25	11/28/25 8:35	LRS
Magnesium, Total	2770	8.85	1.44	mg/kg	2		6010D	11/25/25	11/28/25 8:35	LRS
Manganese, Total	494	0.885	0.474	mg/kg	2		6010D	11/25/25	11/28/25 8:35	LRS
Nickel, Total	21.0	2.21	0.715	mg/kg	2		6010D	11/25/25	11/28/25 8:35	LRS
Potassium, Total	450	221	44.9	mg/kg	2		6010D	11/25/25	11/28/25 8:35	LRS
Selenium, Total	1.09	1.77	0.291	mg/kg	2	Ja	6010D	11/25/25	11/28/25 8:35	LRS
Silver, Total	ND	0.443	0.264	mg/kg	2	U	6010D	11/25/25	11/28/25 8:35	LRS
Sodium, Total	ND	177	93.8	mg/kg	2	U	6010D	11/25/25	11/28/25 8:35	LRS
Thallium, Total	ND	1.77	0.798	mg/kg	2	U	6010D	11/25/25	11/28/25 8:35	LRS
Vanadium, Total	11.2	0.885	0.134	mg/kg	2		6010D	11/25/25	11/28/25 8:35	LRS
Zinc, Total	127	4.43	0.536	mg/kg	2		6010D	11/25/25	11/28/25 8:35	LRS

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: B-2 (0-2in) Sampled: 11/17/2025 12:35

Sample ID: 25K1213-13

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,3,4,6-Tetrachlorophenol	ND	0.79	0.056	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
Atrazine	ND	0.79	0.055	mg/Kg dry	1	V-06	SW-846 8270E	11/25/25	11/26/25 17:49	BGL
Benzaldehyde	0.083	0.40	0.055	mg/Kg dry	1	V-05, V-34, J	SW-846 8270E	11/25/25	11/26/25 17:49	BGL
Biphenyl	ND	0.079	0.045	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
Caprolactam	ND	0.40	0.069	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
Acenaphthene	ND	0.039	0.0044	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
Acenaphthylene	0.0074	0.039	0.0049	mg/Kg dry	1	J	SW-846 8270E	11/25/25	11/26/25 17:49	BGL
Acetophenone	ND	0.40	0.042	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
Aniline	ND	0.40	0.075	mg/Kg dry	1	MS-09, R-06, V-05, V-34	SW-846 8270E	11/25/25	11/26/25 17:49	BGL
Anthracene	0.0078	0.039	0.0045	mg/Kg dry	1	J	SW-846 8270E	11/25/25	11/26/25 17:49	BGL
Benzo(a)anthracene	0.049	0.039	0.0061	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
Benzo(a)pyrene	0.051	0.039	0.013	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
Benzo(b)fluoranthene	0.078	0.039	0.0096	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
Benzo(g,h,i)perylene	0.043	0.039	0.015	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
Benzo(k)fluoranthene	0.027	0.039	0.0080	mg/Kg dry	1	J	SW-846 8270E	11/25/25	11/26/25 17:49	BGL
Bis(2-chloroethoxy)methane	ND	0.40	0.040	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
Bis(2-chloroethyl)ether	ND	0.40	0.053	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
2,2'-oxybis(1-Chloropropane)	ND	0.40	0.16	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.40	0.054	mg/Kg dry	1	V-06	SW-846 8270E	11/25/25	11/26/25 17:49	BGL
4-Bromophenylphenylether	ND	0.40	0.035	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
Butylbenzylphthalate	ND	0.40	0.045	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
Carbazole	ND	0.20	0.041	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
4-Chloroaniline	ND	0.78	0.064	mg/Kg dry	1	MS-09, R-06	SW-846 8270E	11/25/25	11/26/25 17:49	BGL
4-Chloro-3-methylphenol	ND	0.78	0.042	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
2-Chloronaphthalene	ND	0.40	0.035	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
2-Chlorophenol	ND	0.40	0.035	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
4-Chlorophenylphenylether	ND	0.40	0.037	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
Chrysene	0.056	0.039	0.0051	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
Dibenz(a,h)anthracene	ND	0.039	0.018	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
Dibenzofuran	ND	0.40	0.039	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
Di-n-butylphthalate	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
3,3-Dichlorobenzidine	ND	0.20	0.071	mg/Kg dry	1	MS-09	SW-846 8270E	11/25/25	11/26/25 17:49	BGL
2,4-Dichlorophenol	ND	0.40	0.037	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
Diethylphthalate	ND	0.40	0.039	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
2,4-Dimethylphenol	ND	0.40	0.082	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
Dimethylphthalate	ND	0.40	0.036	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
4,6-Dinitro-2-methylphenol	ND	0.40	0.33	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
2,4-Dinitrophenol	ND	0.78	0.37	mg/Kg dry	1	V-04, V-06	SW-846 8270E	11/25/25	11/26/25 17:49	BGL
2,4-Dinitrotoluene	ND	0.40	0.095	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
2,6-Dinitrotoluene	ND	0.40	0.050	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
Di-n-octylphthalate	ND	0.40	0.059	mg/Kg dry	1	V-06	SW-846 8270E	11/25/25	11/26/25 17:49	BGL
Fluoranthene	0.094	0.039	0.0055	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
Fluorene	ND	0.039	0.0047	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: B-2 (0-2in) Sampled: 11/17/2025 12:35

Sample ID: 25K1213-13

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.40	0.040	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
Hexachlorobutadiene	ND	0.40	0.041	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
Hexachlorocyclopentadiene	ND	0.40	0.20	mg/Kg dry	1	MS-09	SW-846 8270E	11/25/25	11/26/25 17:49	BGL
Hexachloroethane	ND	0.40	0.036	mg/Kg dry	1	R-06	SW-846 8270E	11/25/25	11/26/25 17:49	BGL
Indeno(1,2,3-cd)pyrene	0.045	0.039	0.016	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
Isophorone	ND	0.40	0.043	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
1-Methylnaphthalene	0.0055	0.039	0.0049	mg/Kg dry	1	J	SW-846 8270E	11/25/25	11/26/25 17:49	BGL
2-Methylnaphthalene	0.0071	0.039	0.0045	mg/Kg dry	1	J	SW-846 8270E	11/25/25	11/26/25 17:49	BGL
2-Methylphenol	ND	0.40	0.050	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
3/4-Methylphenol	ND	0.40	0.065	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
Naphthalene	0.0098	0.039	0.0056	mg/Kg dry	1	J	SW-846 8270E	11/25/25	11/26/25 17:49	BGL
2-Nitroaniline	ND	0.40	0.061	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
3-Nitroaniline	ND	0.40	0.052	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
4-Nitroaniline	ND	0.40	0.056	mg/Kg dry	1	R-06	SW-846 8270E	11/25/25	11/26/25 17:49	BGL
Nitrobenzene	ND	0.40	0.045	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
2-Nitrophenol	ND	0.40	0.041	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
4-Nitrophenol	ND	0.78	0.16	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.40	0.052	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
N-Nitrosodi-n-propylamine	ND	0.40	0.049	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
Pentachlorophenol	ND	0.40	0.051	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
Phenanthrene	0.036	0.039	0.0040	mg/Kg dry	1	J	SW-846 8270E	11/25/25	11/26/25 17:49	BGL
Phenol	ND	0.40	0.038	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
Pyrene	0.070	0.039	0.0067	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
Pyridine	ND	0.40	0.051	mg/Kg dry	1	MS-09	SW-846 8270E	11/25/25	11/26/25 17:49	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.40	0.038	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
2,4,5-Trichlorophenol	ND	0.40	0.040	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL
2,4,6-Trichlorophenol	ND	0.40	0.035	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 17:49	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	57.2	30-130		11/26/25 17:49
Phenol-d6	57.8	30-130		11/26/25 17:49
Nitrobenzene-d5	59.5	30-130		11/26/25 17:49
2-Fluorobiphenyl	60.5	30-130		11/26/25 17:49
2,4,6-Tribromophenol	57.5	30-130		11/26/25 17:49
p-Terphenyl-d14	64.3	30-130		11/26/25 17:49

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: B-2 (0-2in) Sampled: 11/17/2025 12:35

Sample ID: 25K1213-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.7		% Wt	1		SM 2540G	11/20/25	11/20/25 15:41	DMB

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: B-2 (0-2in) Sampled: 11/17/2025 12:35

Sample ID: 25K1213-13

Sample Matrix: Soil

Total Metals - Mansfield Lab

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum, Total	5900	9.13	2.97	mg/kg	2		6010D	11/25/25	11/28/25 7:30	LRS
Mercury, Total	0.099	0.080	0.052	mg/kg	1		7471B	11/25/25	11/26/25 11:58	CME
Antimony, Total	ND	4.56	3.51	mg/kg	2	U	6010D	11/25/25	11/28/25 7:30	LRS
Arsenic, Total	7.28	0.913	0.394	mg/kg	2		6010D	11/25/25	11/28/25 7:30	LRS
Barium, Total	78.2	0.913	0.097	mg/kg	2		6010D	11/25/25	11/28/25 7:30	LRS
Beryllium, Total	0.423	0.456	0.050	mg/kg	2	Ja	6010D	11/25/25	11/28/25 7:30	LRS
Boron, Total	7.11	2.74	0.527	mg/kg	2		6010D	11/25/25	11/28/25 7:30	LRS
Cadmium, Total	0.819	0.913	0.050	mg/kg	2	Ja	6010D	11/25/25	11/28/25 7:30	LRS
Calcium, Total	2960	9.13	5.18	mg/kg	2		6010D	11/25/25	11/28/25 7:30	LRS
Chromium, Total	8.77	0.913	0.774	mg/kg	2		6010D	11/25/25	11/28/25 7:30	LRS
Cobalt, Total	8.07	1.82	0.226	mg/kg	2		6010D	11/25/25	11/28/25 7:30	LRS
Copper, Total	15.7	0.913	0.207	mg/kg	2		6010D	11/25/25	11/28/25 7:30	LRS
Iron, Total	13800	4.56	0.958	mg/kg	2		6010D	11/25/25	11/28/25 7:30	LRS
Lead, Total	68.1	4.56	0.217	mg/kg	2		6010D	11/25/25	11/28/25 7:30	LRS
Magnesium, Total	2230	9.13	1.49	mg/kg	2		6010D	11/25/25	11/28/25 7:30	LRS
Manganese, Total	458	0.913	0.489	mg/kg	2		6010D	11/25/25	11/28/25 7:30	LRS
Nickel, Total	15.7	2.28	0.737	mg/kg	2		6010D	11/25/25	11/28/25 7:30	LRS
Potassium, Total	640	228	46.3	mg/kg	2		6010D	11/25/25	11/28/25 7:30	LRS
Selenium, Total	0.533	1.82	0.300	mg/kg	2	Ja	6010D	11/25/25	11/28/25 7:30	LRS
Silver, Total	ND	0.456	0.272	mg/kg	2	U	6010D	11/25/25	11/28/25 7:30	LRS
Sodium, Total	ND	182	96.7	mg/kg	2	U	6010D	11/25/25	11/28/25 7:30	LRS
Thallium, Total	ND	1.82	0.823	mg/kg	2	U	6010D	11/25/25	11/28/25 7:30	LRS
Vanadium, Total	8.31	0.913	0.138	mg/kg	2		6010D	11/25/25	11/28/25 7:30	LRS
Zinc, Total	79.4	4.56	0.553	mg/kg	2		6010D	11/25/25	11/28/25 7:30	LRS

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: B-2 (2-12in) Sampled: 11/17/2025 12:40

Sample ID: 25K1213-14

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,3,4,6-Tetrachlorophenol	ND	0.80	0.057	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
Atrazine	ND	0.80	0.056	mg/Kg dry	1	V-06	SW-846 8270E	11/25/25	11/26/25 18:13	BGL
Benzaldehyde	ND	0.41	0.056	mg/Kg dry	1	V-34, MS-09, V-05	SW-846 8270E	11/25/25	11/26/25 18:13	BGL
Biphenyl	ND	0.080	0.046	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
Caprolactam	ND	0.41	0.070	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
Acenaphthene	ND	0.039	0.0044	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
Acenaphthylene	0.017	0.039	0.0050	mg/Kg dry	1	J	SW-846 8270E	11/25/25	11/26/25 18:13	BGL
Acetophenone	ND	0.41	0.043	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
Aniline	ND	0.41	0.077	mg/Kg dry	1	MS-09, V-05, V-34	SW-846 8270E	11/25/25	11/26/25 18:13	BGL
Anthracene	0.017	0.039	0.0045	mg/Kg dry	1	J	SW-846 8270E	11/25/25	11/26/25 18:13	BGL
Benzo(a)anthracene	0.073	0.039	0.0062	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
Benzo(a)pyrene	0.082	0.039	0.013	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
Benzo(b)fluoranthene	0.12	0.039	0.0098	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
Benzo(g,h,i)perylene	0.072	0.039	0.016	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
Benzo(k)fluoranthene	0.041	0.039	0.0081	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
Bis(2-chloroethoxy)methane	ND	0.41	0.041	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
Bis(2-chloroethyl)ether	ND	0.41	0.054	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
2,2'-oxybis(1-Chloropropane)	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.41	0.055	mg/Kg dry	1	V-06	SW-846 8270E	11/25/25	11/26/25 18:13	BGL
4-Bromophenylphenylether	ND	0.41	0.036	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
Butylbenzylphthalate	ND	0.41	0.046	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
Carbazole	ND	0.20	0.042	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
4-Chloroaniline	ND	0.79	0.065	mg/Kg dry	1	MS-09	SW-846 8270E	11/25/25	11/26/25 18:13	BGL
4-Chloro-3-methylphenol	ND	0.79	0.043	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
2-Chloronaphthalene	ND	0.41	0.036	mg/Kg dry	1	MS-09	SW-846 8270E	11/25/25	11/26/25 18:13	BGL
2-Chlorophenol	ND	0.41	0.036	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
4-Chlorophenylphenylether	ND	0.41	0.037	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
Chrysene	0.094	0.039	0.0051	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
Dibenz(a,h)anthracene	ND	0.039	0.018	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
Dibenzofuran	ND	0.41	0.040	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
Di-n-butylphthalate	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
3,3-Dichlorobenzidine	ND	0.20	0.072	mg/Kg dry	1	MS-09	SW-846 8270E	11/25/25	11/26/25 18:13	BGL
2,4-Dichlorophenol	ND	0.41	0.038	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
Diethylphthalate	ND	0.41	0.039	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
2,4-Dimethylphenol	ND	0.41	0.084	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
Dimethylphthalate	ND	0.41	0.036	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
4,6-Dinitro-2-methylphenol	ND	0.41	0.33	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
2,4-Dinitrophenol	ND	0.79	0.38	mg/Kg dry	1	V-04, V-06	SW-846 8270E	11/25/25	11/26/25 18:13	BGL
2,4-Dinitrotoluene	ND	0.41	0.096	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
2,6-Dinitrotoluene	ND	0.41	0.051	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
Di-n-octylphthalate	ND	0.41	0.060	mg/Kg dry	1	V-06	SW-846 8270E	11/25/25	11/26/25 18:13	BGL
Fluoranthene	0.17	0.039	0.0056	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
Fluorene	0.0064	0.039	0.0048	mg/Kg dry	1	J	SW-846 8270E	11/25/25	11/26/25 18:13	BGL
Hexachlorobenzene	ND	0.41	0.041	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: B-2 (2-12in) Sampled: 11/17/2025 12:40

Sample ID: 25K1213-14

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.41	0.042	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
Hexachlorocyclopentadiene	ND	0.41	0.20	mg/Kg dry	1	MS-09	SW-846 8270E	11/25/25	11/26/25 18:13	BGL
Hexachloroethane	ND	0.41	0.037	mg/Kg dry	1	MS-09	SW-846 8270E	11/25/25	11/26/25 18:13	BGL
Indeno(1,2,3-cd)pyrene	0.073	0.039	0.016	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
Isophorone	ND	0.41	0.043	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
1-Methylnaphthalene	0.0072	0.039	0.0050	mg/Kg dry	1	J	SW-846 8270E	11/25/25	11/26/25 18:13	BGL
2-Methylnaphthalene	0.0096	0.039	0.0045	mg/Kg dry	1	MS-09, J	SW-846 8270E	11/25/25	11/26/25 18:13	BGL
2-Methylphenol	ND	0.41	0.051	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
3/4-Methylphenol	ND	0.41	0.066	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
Naphthalene	0.012	0.039	0.0057	mg/Kg dry	1	J	SW-846 8270E	11/25/25	11/26/25 18:13	BGL
2-Nitroaniline	ND	0.41	0.062	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
3-Nitroaniline	ND	0.41	0.053	mg/Kg dry	1	MS-09	SW-846 8270E	11/25/25	11/26/25 18:13	BGL
4-Nitroaniline	ND	0.41	0.057	mg/Kg dry	1	MS-09	SW-846 8270E	11/25/25	11/26/25 18:13	BGL
Nitrobenzene	ND	0.41	0.046	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
2-Nitrophenol	ND	0.41	0.042	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
4-Nitrophenol	ND	0.79	0.16	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.41	0.053	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
N-Nitrosodi-n-propylamine	ND	0.41	0.050	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
Pentachlorophenol	ND	0.41	0.052	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
Phenanthrene	0.069	0.039	0.0041	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
Phenol	ND	0.41	0.039	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
Pyrene	0.12	0.039	0.0068	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
Pyridine	ND	0.41	0.051	mg/Kg dry	1	MS-09	SW-846 8270E	11/25/25	11/26/25 18:13	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.41	0.039	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
2,4,5-Trichlorophenol	ND	0.41	0.041	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL
2,4,6-Trichlorophenol	ND	0.41	0.036	mg/Kg dry	1		SW-846 8270E	11/25/25	11/26/25 18:13	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	47.0	30-130		11/26/25 18:13
Phenol-d6	51.1	30-130		11/26/25 18:13
Nitrobenzene-d5	45.8	30-130		11/26/25 18:13
2-Fluorobiphenyl	54.3	30-130		11/26/25 18:13
2,4,6-Tribromophenol	61.4	30-130		11/26/25 18:13
p-Terphenyl-d14	55.8	30-130		11/26/25 18:13

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: B-2 (2-12in) Sampled: 11/17/2025 12:40

Sample ID: 25K1213-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.2		% Wt	1		SM 2540G	11/20/25	11/20/25 15:41	DMB

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: B-2 (2-12in) Sampled: 11/17/2025 12:40

Sample ID: 25K1213-14

Sample Matrix: Soil

Total Metals - Mansfield Lab

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum, Total	6790	9.24	3.00	mg/kg	2		6010D	11/25/25	11/28/25 7:56	LRS
Mercury, Total	0.101	0.077	0.050	mg/kg	1		7471B	11/25/25	11/26/25 12:07	CME
Antimony, Total	ND	4.62	3.56	mg/kg	2	U	6010D	11/25/25	11/28/25 7:56	LRS
Arsenic, Total	7.82	0.924	0.399	mg/kg	2		6010D	11/25/25	11/28/25 7:56	LRS
Barium, Total	87.3	0.924	0.098	mg/kg	2		6010D	11/25/25	11/28/25 7:56	LRS
Beryllium, Total	0.479	0.462	0.051	mg/kg	2		6010D	11/25/25	11/28/25 7:56	LRS
Boron, Total	6.50	2.77	0.533	mg/kg	2		6010D	11/25/25	11/28/25 7:56	LRS
Cadmium, Total	0.907	0.924	0.051	mg/kg	2	Ja	6010D	11/25/25	11/28/25 7:56	LRS
Calcium, Total	3610	9.24	5.24	mg/kg	2		6010D	11/25/25	11/28/25 7:56	LRS
Chromium, Total	10.1	0.924	0.784	mg/kg	2		6010D	11/25/25	11/28/25 7:56	LRS
Cobalt, Total	9.25	1.85	0.229	mg/kg	2		6010D	11/25/25	11/28/25 7:56	LRS
Copper, Total	17.8	0.924	0.210	mg/kg	2		6010D	11/25/25	11/28/25 7:56	LRS
Iron, Total	15600	4.62	0.971	mg/kg	2		6010D	11/25/25	11/28/25 7:56	LRS
Lead, Total	74.5	4.62	0.220	mg/kg	2		6010D	11/25/25	11/28/25 7:56	LRS
Magnesium, Total	2580	9.24	1.51	mg/kg	2		6010D	11/25/25	11/28/25 7:56	LRS
Manganese, Total	522	0.924	0.496	mg/kg	2		6010D	11/25/25	11/28/25 7:56	LRS
Nickel, Total	18.2	2.31	0.747	mg/kg	2		6010D	11/25/25	11/28/25 7:56	LRS
Potassium, Total	635	231	46.9	mg/kg	2		6010D	11/25/25	11/28/25 7:56	LRS
Selenium, Total	0.444	1.85	0.304	mg/kg	2	Ja	6010D	11/25/25	11/28/25 7:56	LRS
Silver, Total	ND	0.462	0.276	mg/kg	2	U	6010D	11/25/25	11/28/25 7:56	LRS
Sodium, Total	ND	185	98.0	mg/kg	2	U	6010D	11/25/25	11/28/25 7:56	LRS
Thallium, Total	ND	1.85	0.834	mg/kg	2	U	6010D	11/25/25	11/28/25 7:56	LRS
Vanadium, Total	9.50	0.924	0.140	mg/kg	2		6010D	11/25/25	11/28/25 7:56	LRS
Zinc, Total	90.3	4.62	0.560	mg/kg	2		6010D	11/25/25	11/28/25 7:56	LRS

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: Dup-1 Sampled: 11/17/2025 00:00

Sample ID: 25K1213-15

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,3,4,6-Tetrachlorophenol	ND	1.8	0.13	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
Atrazine	ND	1.8	0.12	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
Benzaldehyde	ND	0.90	0.12	mg/Kg dry	1	L-04, V-05, V-34	SW-846 8270E	11/20/25	11/25/25 3:27	BGL
Biphenyl	ND	0.18	0.10	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
Caprolactam	ND	0.90	0.16	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
Acenaphthene	ND	0.087	0.0098	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
Acenaphthylene	0.041	0.087	0.011	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/25/25 3:27	BGL
Acetophenone	ND	0.90	0.094	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
Aniline	ND	0.90	0.17	mg/Kg dry	1	V-34	SW-846 8270E	11/20/25	11/25/25 3:27	BGL
Anthracene	0.023	0.087	0.010	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/25/25 3:27	BGL
Benzo(a)anthracene	0.16	0.087	0.014	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
Benzo(a)pyrene	0.18	0.087	0.029	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
Benzo(b)fluoranthene	0.23	0.087	0.022	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
Benzo(g,h,i)perylene	0.14	0.087	0.035	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
Benzo(k)fluoranthene	0.079	0.087	0.018	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/25/25 3:27	BGL
Bis(2-chloroethoxy)methane	ND	0.90	0.091	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
Bis(2-chloroethyl)ether	ND	0.90	0.12	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
2,2'-oxybis(1-Chloropropane)	ND	0.90	0.36	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.90	0.12	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
4-Bromophenylphenylether	ND	0.90	0.079	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
Butylbenzylphthalate	ND	0.90	0.10	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
Carbazole	ND	0.45	0.093	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
4-Chloroaniline	ND	1.7	0.14	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
4-Chloro-3-methylphenol	ND	1.7	0.094	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
2-Chloronaphthalene	ND	0.90	0.079	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
2-Chlorophenol	ND	0.90	0.079	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
4-Chlorophenylphenylether	ND	0.90	0.083	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
Chrysene	0.19	0.087	0.011	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
Dibenz(a,h)anthracene	ND	0.087	0.039	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
Dibenzofuran	ND	0.90	0.088	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
Di-n-butylphthalate	ND	0.90	0.35	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
3,3-Dichlorobenzidine	ND	0.45	0.16	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
2,4-Dichlorophenol	ND	0.90	0.084	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
Diethylphthalate	ND	0.90	0.087	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
2,4-Dimethylphenol	ND	0.90	0.19	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
Dimethylphthalate	ND	0.90	0.080	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
4,6-Dinitro-2-methylphenol	ND	0.90	0.74	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
2,4-Dinitrophenol	ND	1.7	0.84	mg/Kg dry	1	V-04, V-06	SW-846 8270E	11/20/25	11/25/25 3:27	BGL
2,4-Dinitrotoluene	ND	0.90	0.21	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
2,6-Dinitrotoluene	ND	0.90	0.11	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
Di-n-octylphthalate	ND	0.90	0.13	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
Fluoranthene	0.26	0.087	0.012	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
Fluorene	ND	0.087	0.011	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
Hexachlorobenzene	ND	0.90	0.091	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: Dup-1 Sampled: 11/17/2025 00:00

Sample ID: 25K1213-15

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.90	0.092	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
Hexachlorocyclopentadiene	ND	0.90	0.45	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
Hexachloroethane	ND	0.90	0.081	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
Indeno(1,2,3-cd)pyrene	0.14	0.087	0.036	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
Isophorone	ND	0.90	0.096	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
1-Methylnaphthalene	ND	0.087	0.011	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
2-Methylnaphthalene	0.013	0.087	0.010	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/25/25 3:27	BGL
2-Methylphenol	ND	0.90	0.11	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
3/4-Methylphenol	ND	0.90	0.15	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
Naphthalene	0.019	0.087	0.013	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/25/25 3:27	BGL
2-Nitroaniline	ND	0.90	0.14	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
3-Nitroaniline	ND	0.90	0.12	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
4-Nitroaniline	ND	0.90	0.13	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
Nitrobenzene	ND	0.90	0.10	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
2-Nitrophenol	ND	0.90	0.092	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
4-Nitrophenol	ND	1.7	0.35	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.90	0.12	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
N-Nitrosodi-n-propylamine	ND	0.90	0.11	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
Pentachlorophenol	ND	0.90	0.11	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
Phenanthrene	0.067	0.087	0.0090	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/25/25 3:27	BGL
Phenol	ND	0.90	0.085	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
Pyrene	0.33	0.087	0.015	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
Pyridine	ND	0.90	0.11	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.90	0.086	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
2,4,5-Trichlorophenol	ND	0.90	0.091	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL
2,4,6-Trichlorophenol	ND	0.90	0.079	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 3:27	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	67.0	30-130		11/25/25 3:27
Phenol-d6	66.1	30-130		11/25/25 3:27
Nitrobenzene-d5	67.0	30-130		11/25/25 3:27
2-Fluorobiphenyl	72.0	30-130		11/25/25 3:27
2,4,6-Tribromophenol	80.9	30-130		11/25/25 3:27
p-Terphenyl-d14	85.7	30-130		11/25/25 3:27

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: Dup-1 Sampled: 11/17/2025 00:00

Sample ID: 25K1213-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	75.1		% Wt	1		SM 2540G	11/20/25	11/20/25 15:41	DMB

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: Dup-1 Sampled: 11/17/2025 00:00

Sample ID: 25K1213-15

Sample Matrix: Soil

Total Metals - Mansfield Lab

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum, Total	4740	10.1	3.27	mg/kg	2		6010D	11/25/25	11/26/25 23:51	JMF
Mercury, Total	0.148	0.090	0.059	mg/kg	1		7471B	11/25/25	11/25/25 10:12	JWN
Antimony, Total	ND	5.03	3.87	mg/kg	2	U	6010D	11/25/25	11/26/25 23:51	JMF
Arsenic, Total	6.77	1.01	0.435	mg/kg	2		6010D	11/25/25	11/26/25 23:51	JMF
Barium, Total	61.9	1.01	0.107	mg/kg	2		6010D	11/25/25	11/26/25 23:51	JMF
Beryllium, Total	0.339	0.503	0.055	mg/kg	2	Ja	6010D	11/25/25	11/26/25 23:51	JMF
Boron, Total	5.87	3.02	0.581	mg/kg	2		6010D	11/25/25	11/26/25 23:51	JMF
Cadmium, Total	0.800	1.01	0.055	mg/kg	2	Ja	6010D	11/25/25	11/26/25 23:51	JMF
Calcium, Total	2550	10.1	5.71	mg/kg	2		6010D	11/25/25	11/26/25 23:51	JMF
Chromium, Total	7.05	1.01	0.853	mg/kg	2		6010D	11/25/25	11/26/25 23:51	JMF
Cobalt, Total	6.62	2.01	0.250	mg/kg	2		6010D	11/25/25	11/26/25 23:51	JMF
Copper, Total	12.6	1.01	0.228	mg/kg	2		6010D	11/25/25	11/26/25 23:51	JMF
Iron, Total	11300	5.03	1.06	mg/kg	2		6010D	11/25/25	11/26/25 23:51	JMF
Lead, Total	58.4	5.03	0.240	mg/kg	2		6010D	11/25/25	11/26/25 23:51	JMF
Magnesium, Total	1780	10.1	1.64	mg/kg	2		6010D	11/25/25	11/26/25 23:51	JMF
Manganese, Total	370	1.01	0.539	mg/kg	2		6010D	11/25/25	11/26/25 23:51	JMF
Nickel, Total	13.0	2.52	0.813	mg/kg	2		6010D	11/25/25	11/26/25 23:51	JMF
Potassium, Total	560	252	51.0	mg/kg	2		6010D	11/25/25	11/26/25 23:51	JMF
Selenium, Total	0.471	2.01	0.331	mg/kg	2	Ja	6010D	11/25/25	11/26/25 23:51	JMF
Silver, Total	ND	0.503	0.300	mg/kg	2	U	6010D	11/25/25	11/26/25 23:51	JMF
Sodium, Total	ND	201	107	mg/kg	2	U	6010D	11/25/25	11/26/25 23:51	JMF
Thallium, Total	ND	2.01	0.908	mg/kg	2	U	6010D	11/25/25	11/26/25 23:51	JMF
Vanadium, Total	6.79	1.01	0.152	mg/kg	2		6010D	11/25/25	11/26/25 23:51	JMF
Zinc, Total	66.1	5.03	0.610	mg/kg	2		6010D	11/25/25	11/26/25 23:51	JMF

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: Dup-2 Sampled: 11/17/2025 00:00

Sample ID: 25K1213-16

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,3,4,6-Tetrachlorophenol	ND	0.78	0.056	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
Atrazine	ND	0.78	0.054	mg/Kg dry	1	V-06	SW-846 8270E	11/20/25	11/25/25 18:40	BGL
Benzaldehyde	ND	0.40	0.055	mg/Kg dry	1	L-04, V-34	SW-846 8270E	11/20/25	11/25/25 18:40	BGL
Biphenyl	ND	0.078	0.045	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
Caprolactam	ND	0.40	0.069	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
Acenaphthene	ND	0.039	0.0043	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
Acenaphthylene	0.012	0.039	0.0049	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/25/25 18:40	BGL
Acetophenone	ND	0.40	0.042	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
Aniline	ND	0.40	0.075	mg/Kg dry	1	V-34	SW-846 8270E	11/20/25	11/25/25 18:40	BGL
Anthracene	0.0098	0.039	0.0044	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/25/25 18:40	BGL
Benzo(a)anthracene	0.057	0.039	0.0061	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
Benzo(a)pyrene	0.070	0.039	0.013	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
Benzo(b)fluoranthene	0.11	0.039	0.0096	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
Benzo(g,h,i)perylene	0.055	0.039	0.015	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
Benzo(k)fluoranthene	0.039	0.039	0.0080	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
Bis(2-chloroethoxy)methane	ND	0.40	0.040	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
Bis(2-chloroethyl)ether	ND	0.40	0.053	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
2,2'-oxybis(1-Chloropropane)	ND	0.40	0.16	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.40	0.054	mg/Kg dry	1	V-06	SW-846 8270E	11/20/25	11/25/25 18:40	BGL
4-Bromophenylphenylether	ND	0.40	0.035	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
Butylbenzylphthalate	ND	0.40	0.045	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
Carbazole	ND	0.20	0.041	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
4-Chloroaniline	ND	0.77	0.064	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
4-Chloro-3-methylphenol	ND	0.77	0.042	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
2-Chloronaphthalene	ND	0.40	0.035	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
2-Chlorophenol	ND	0.40	0.035	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
4-Chlorophenylphenylether	ND	0.40	0.037	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
Chrysene	0.074	0.039	0.0050	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
Dibenz(a,h)anthracene	ND	0.039	0.017	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
Dibenzofuran	ND	0.40	0.039	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
Di-n-butylphthalate	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
3,3-Dichlorobenzidine	ND	0.20	0.071	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
2,4-Dichlorophenol	ND	0.40	0.037	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
Diethylphthalate	ND	0.40	0.039	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
2,4-Dimethylphenol	ND	0.40	0.082	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
Dimethylphthalate	ND	0.40	0.035	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
4,6-Dinitro-2-methylphenol	ND	0.40	0.33	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
2,4-Dinitrophenol	ND	0.77	0.37	mg/Kg dry	1	V-04, V-06	SW-846 8270E	11/20/25	11/25/25 18:40	BGL
2,4-Dinitrotoluene	ND	0.40	0.094	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
2,6-Dinitrotoluene	ND	0.40	0.050	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
Di-n-octylphthalate	ND	0.40	0.058	mg/Kg dry	1	V-06	SW-846 8270E	11/20/25	11/25/25 18:40	BGL
Fluoranthene	0.12	0.039	0.0055	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
Fluorene	ND	0.039	0.0047	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
Hexachlorobenzene	ND	0.40	0.040	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: Dup-2 Sampled: 11/17/2025 00:00

Sample ID: 25K1213-16

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.40	0.041	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
Hexachlorocyclopentadiene	ND	0.40	0.20	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
Hexachloroethane	ND	0.40	0.036	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
Indeno(1,2,3-cd)pyrene	0.058	0.039	0.016	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
Isophorone	ND	0.40	0.042	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
1-Methylnaphthalene	0.0059	0.039	0.0049	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/25/25 18:40	BGL
2-Methylnaphthalene	0.0059	0.039	0.0044	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/25/25 18:40	BGL
2-Methylphenol	ND	0.40	0.050	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
3/4-Methylphenol	ND	0.40	0.065	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
Naphthalene	0.0086	0.039	0.0056	mg/Kg dry	1	J	SW-846 8270E	11/20/25	11/25/25 18:40	BGL
2-Nitroaniline	ND	0.40	0.061	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
3-Nitroaniline	ND	0.40	0.052	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
4-Nitroaniline	ND	0.40	0.056	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
Nitrobenzene	ND	0.40	0.045	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
2-Nitrophenol	ND	0.40	0.041	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
4-Nitrophenol	ND	0.77	0.16	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.40	0.052	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
N-Nitrosodi-n-propylamine	ND	0.40	0.049	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
Pentachlorophenol	ND	0.40	0.051	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
Phenanthrene	0.042	0.039	0.0040	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
Phenol	ND	0.40	0.038	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
Pyrene	0.096	0.039	0.0067	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
Pyridine	ND	0.40	0.050	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.40	0.038	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
2,4,5-Trichlorophenol	ND	0.40	0.040	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL
2,4,6-Trichlorophenol	ND	0.40	0.035	mg/Kg dry	1		SW-846 8270E	11/20/25	11/25/25 18:40	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	42.0	30-130		11/25/25 18:40
Phenol-d6	41.5	30-130		11/25/25 18:40
Nitrobenzene-d5	42.6	30-130		11/25/25 18:40
2-Fluorobiphenyl	48.2	30-130		11/25/25 18:40
2,4,6-Tribromophenol	48.0	30-130		11/25/25 18:40
p-Terphenyl-d14	49.7	30-130		11/25/25 18:40

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: Dup-2 Sampled: 11/17/2025 00:00

Sample ID: 25K1213-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.3		% Wt	1		SM 2540G	11/20/25	11/20/25 15:41	DMB

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1213

Date Received: 11/20/2025

Field Sample #: Dup-2 Sampled: 11/17/2025 00:00

Sample ID: 25K1213-16

Sample Matrix: Soil

Total Metals - Mansfield Lab

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum, Total	6390	9.12	2.96	mg/kg	2		6010D	11/25/25	11/26/25 23:53	JMF
Mercury, Total	0.151	0.079	0.052	mg/kg	1		7471B	11/25/25	11/25/25 10:15	JWN
Antimony, Total	ND	4.56	3.51	mg/kg	2	U	6010D	11/25/25	11/26/25 23:53	JMF
Arsenic, Total	8.95	0.912	0.394	mg/kg	2		6010D	11/25/25	11/26/25 23:53	JMF
Barium, Total	84.4	0.912	0.097	mg/kg	2		6010D	11/25/25	11/26/25 23:53	JMF
Beryllium, Total	0.455	0.456	0.050	mg/kg	2	Ja	6010D	11/25/25	11/26/25 23:53	JMF
Boron, Total	7.06	2.73	0.526	mg/kg	2		6010D	11/25/25	11/26/25 23:53	JMF
Cadmium, Total	0.949	0.912	0.050	mg/kg	2		6010D	11/25/25	11/26/25 23:53	JMF
Calcium, Total	3500	9.12	5.17	mg/kg	2		6010D	11/25/25	11/26/25 23:53	JMF
Chromium, Total	9.57	0.912	0.773	mg/kg	2		6010D	11/25/25	11/26/25 23:53	JMF
Cobalt, Total	8.75	1.82	0.226	mg/kg	2		6010D	11/25/25	11/26/25 23:53	JMF
Copper, Total	17.2	0.912	0.207	mg/kg	2		6010D	11/25/25	11/26/25 23:53	JMF
Iron, Total	15000	4.56	0.957	mg/kg	2		6010D	11/25/25	11/26/25 23:53	JMF
Lead, Total	77.0	4.56	0.217	mg/kg	2		6010D	11/25/25	11/26/25 23:53	JMF
Magnesium, Total	2420	9.12	1.48	mg/kg	2		6010D	11/25/25	11/26/25 23:53	JMF
Manganese, Total	500	0.912	0.489	mg/kg	2		6010D	11/25/25	11/26/25 23:53	JMF
Nickel, Total	17.4	2.28	0.736	mg/kg	2		6010D	11/25/25	11/26/25 23:53	JMF
Potassium, Total	644	228	46.2	mg/kg	2		6010D	11/25/25	11/26/25 23:53	JMF
Selenium, Total	0.558	1.82	0.300	mg/kg	2	Ja	6010D	11/25/25	11/26/25 23:53	JMF
Silver, Total	ND	0.456	0.272	mg/kg	2	U	6010D	11/25/25	11/26/25 23:53	JMF
Sodium, Total	ND	182	96.6	mg/kg	2	U	6010D	11/25/25	11/26/25 23:53	JMF
Thallium, Total	ND	1.82	0.822	mg/kg	2	U	6010D	11/25/25	11/26/25 23:53	JMF
Vanadium, Total	9.12	0.912	0.138	mg/kg	2		6010D	11/25/25	11/26/25 23:53	JMF
Zinc, Total	84.7	4.56	0.552	mg/kg	2		6010D	11/25/25	11/26/25 23:53	JMF

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method:EPA 3050B **Analytical Method:6010D**
Media :

Lab Number [Field ID]	Batch	Initial [g]	Date
25K1213-01 [C-2 (0-2in)]	WG2146092	1.28	11/25/25
25K1213-02 [C-2 (2-12in)]	WG2146092	1.288	11/25/25
25K1213-03 [C-3 (0-2in)]	WG2146092	1.291	11/25/25
25K1213-04 [C-3 (2-12in)]	WG2146092	1.29	11/25/25
25K1213-05 [E-4 (0-2in)]	WG2146092	1.31	11/25/25
25K1213-06 [E-4 (2-12in)]	WG2146092	1.292	11/25/25
25K1213-07 [E-1 (0-2in)]	WG2146092	1.287	11/25/25
25K1213-08 [E-1 (2-12in)]	WG2146092	1.316	11/25/25
25K1213-09 [C-1 (0-2in)]	WG2146092	1.304	11/25/25
25K1213-10 [C-1 (2-12in)]	WG2146092	1.287	11/25/25
25K1213-11 [B-1 (0-2in)]	WG2146092	1.324	11/25/25
25K1213-12 [B-1 (2-12in)]	WG2146092	1.275	11/25/25
25K1213-13 [B-2 (0-2in)]	WG2146092	1.309	11/25/25
25K1213-14 [B-2 (2-12in)]	WG2146092	1.3	11/25/25

Prep Method:EPA 3050B **Analytical Method:6010D**
Media :

Lab Number [Field ID]	Batch	Initial [g]	Date
25K1213-15 [Dup-1]	WG2146097	1.323	11/25/25
25K1213-16 [Dup-2]	WG2146097	1.286	11/25/25

Prep Method:EPA 7471B **Analytical Method:7471B**
Media :

Lab Number [Field ID]	Batch	Initial [g]	Date
25K1213-15 [Dup-1]	WG2146078	.37	11/25/25
25K1213-16 [Dup-2]	WG2146078	.37	11/25/25

Prep Method:EPA 7471B **Analytical Method:7471B**
Media :

Lab Number [Field ID]	Batch	Initial [g]	Date
25K1213-01 [C-2 (0-2in)]	WG2146094	.356	11/25/25
25K1213-02 [C-2 (2-12in)]	WG2146094	.383	11/25/25
25K1213-03 [C-3 (0-2in)]	WG2146094	.365	11/25/25
25K1213-04 [C-3 (2-12in)]	WG2146094	.398	11/25/25
25K1213-05 [E-4 (0-2in)]	WG2146094	.378	11/25/25
25K1213-06 [E-4 (2-12in)]	WG2146094	.344	11/25/25
25K1213-07 [E-1 (0-2in)]	WG2146094	.388	11/25/25
25K1213-08 [E-1 (2-12in)]	WG2146094	.353	11/25/25
25K1213-09 [C-1 (0-2in)]	WG2146094	.34	11/25/25
25K1213-10 [C-1 (2-12in)]	WG2146094	.37	11/25/25
25K1213-11 [B-1 (0-2in)]	WG2146094	.366	11/25/25
25K1213-12 [B-1 (2-12in)]	WG2146094	.394	11/25/25
25K1213-13 [B-2 (0-2in)]	WG2146094	.374	11/25/25
25K1213-14 [B-2 (2-12in)]	WG2146094	.392	11/25/25

Sample Extraction Data

Prep Method:% Solids **Analytical Method:SM 2540G**

Lab Number [Field ID]	Batch	Date

Pace Analytical Services, LLC - East Longmeadow, Ma

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Sample Extraction Data

Prep Method:% Solids **Analytical Method:SM 2540G**

Lab Number [Field ID]	Batch	Date
25K1213-01 [C-2 (0-2in)]	B417935	11/20/25
25K1213-02 [C-2 (2-12in)]	B417935	11/20/25
25K1213-03 [C-3 (0-2in)]	B417935	11/20/25
25K1213-04 [C-3 (2-12in)]	B417935	11/20/25
25K1213-05 [E-4 (0-2in)]	B417935	11/20/25
25K1213-06 [E-4 (2-12in)]	B417935	11/20/25
25K1213-07 [E-1 (0-2in)]	B417935	11/20/25
25K1213-08 [E-1 (2-12in)]	B417935	11/20/25
25K1213-09 [C-1 (0-2in)]	B417935	11/20/25
25K1213-10 [C-1 (2-12in)]	B417935	11/20/25
25K1213-11 [B-1 (0-2in)]	B417935	11/20/25
25K1213-12 [B-1 (2-12in)]	B417935	11/20/25
25K1213-13 [B-2 (0-2in)]	B417935	11/20/25
25K1213-14 [B-2 (2-12in)]	B417935	11/20/25
25K1213-15 [Dup-1]	B417935	11/20/25
25K1213-16 [Dup-2]	B417935	11/20/25

Prep Method:SW-846 3546 **Analytical Method:SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
25K1213-01 [C-2 (0-2in)]	B417934	30.1	1.00	11/20/25
25K1213-02 [C-2 (2-12in)]	B417934	30.1	1.00	11/20/25
25K1213-03 [C-3 (0-2in)]	B417934	30.1	1.00	11/20/25
25K1213-04 [C-3 (2-12in)]	B417934	30.0	1.00	11/20/25
25K1213-05 [E-4 (0-2in)]	B417934	30.1	1.00	11/20/25
25K1213-06 [E-4 (2-12in)]	B417934	30.1	1.00	11/20/25
25K1213-07 [E-1 (0-2in)]	B417934	30.1	1.00	11/20/25
25K1213-08 [E-1 (2-12in)]	B417934	30.1	1.00	11/20/25
25K1213-09 [C-1 (0-2in)]	B417934	30.0	1.00	11/20/25
25K1213-10 [C-1 (2-12in)]	B417934	30.1	1.00	11/20/25
25K1213-11 [B-1 (0-2in)]	B417934	30.1	1.00	11/20/25
25K1213-12 [B-1 (2-12in)]	B417934	30.1	1.00	11/20/25
25K1213-15 [Dup-1]	B417934	15.1	1.00	11/20/25
25K1213-16 [Dup-2]	B417934	30.1	1.00	11/20/25

Prep Method:SW-846 3546 **Analytical Method:SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
25K1213-13RE1 [B-2 (0-2in)]	B418195	30.5	1.00	11/25/25
25K1213-14RE1 [B-2 (2-12in)]	B418195	30.1	1.00	11/25/25

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B417934 - SW-846 3546										
Blank (B417934-BLK1)				Prepared: 11/20/25 Analyzed: 11/24/25						
2,3,4,6-Tetrachlorophenol	ND	0.67	mg/Kg wet							
Atrazine	ND	0.67	mg/Kg wet							
Benzaldehyde	ND	0.34	mg/Kg wet							L-04, V-05, V-34
Biphenyl	ND	0.067	mg/Kg wet							
Caprolactam	ND	0.34	mg/Kg wet							
Acenaphthene	ND	0.033	mg/Kg wet							
Acenaphthylene	ND	0.033	mg/Kg wet							
Acetophenone	ND	0.34	mg/Kg wet							
Aniline	ND	0.34	mg/Kg wet							V-34
Anthracene	ND	0.033	mg/Kg wet							
Benzo(a)anthracene	ND	0.033	mg/Kg wet							
Benzo(a)pyrene	ND	0.033	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.033	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.033	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.033	mg/Kg wet							
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet							
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet							
2,2'-oxybis(1-Chloropropane)	ND	0.34	mg/Kg wet							
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet							
4-Bromophenylphenylether	ND	0.34	mg/Kg wet							
Butylbenzylphthalate	ND	0.34	mg/Kg wet							
Carbazole	ND	0.17	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							
4-Chloro-3-methylphenol	ND	0.66	mg/Kg wet							
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
4-Chlorophenylphenylether	ND	0.34	mg/Kg wet							
Chrysene	ND	0.033	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.033	mg/Kg wet							
Dibenzofuran	ND	0.34	mg/Kg wet							
Di-n-butylphthalate	ND	0.34	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.34	mg/Kg wet							
Diethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dimethylphenol	ND	0.34	mg/Kg wet							
Dimethylphthalate	ND	0.34	mg/Kg wet							
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							V-04, V-06
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.34	mg/Kg wet							
Fluoranthene	ND	0.033	mg/Kg wet							
Fluorene	ND	0.033	mg/Kg wet							
Hexachlorobenzene	ND	0.34	mg/Kg wet							
Hexachlorobutadiene	ND	0.34	mg/Kg wet							
Hexachlorocyclopentadiene	ND	0.34	mg/Kg wet							
Hexachloroethane	ND	0.34	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.033	mg/Kg wet							
Isophorone	ND	0.34	mg/Kg wet							
1-Methylnaphthalene	ND	0.033	mg/Kg wet							
2-Methylnaphthalene	ND	0.033	mg/Kg wet							
2-Methylphenol	ND	0.34	mg/Kg wet							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B417934 - SW-846 3546												
Blank (B417934-BLK1)				Prepared: 11/20/25 Analyzed: 11/24/25								
3/4-Methylphenol	ND	0.34	mg/Kg wet									
Naphthalene	ND	0.033	mg/Kg wet									
2-Nitroaniline	ND	0.34	mg/Kg wet									
3-Nitroaniline	ND	0.34	mg/Kg wet									
4-Nitroaniline	ND	0.34	mg/Kg wet									
Nitrobenzene	ND	0.34	mg/Kg wet									
2-Nitrophenol	ND	0.34	mg/Kg wet									
4-Nitrophenol	ND	0.66	mg/Kg wet									
N-Nitrosodiphenylamine/Diphenylamine	ND	0.34	mg/Kg wet									
N-Nitrosodi-n-propylamine	ND	0.34	mg/Kg wet									
Pentachlorophenol	ND	0.34	mg/Kg wet									
Phenanthrene	ND	0.033	mg/Kg wet									
Phenol	ND	0.34	mg/Kg wet									
Pyrene	ND	0.033	mg/Kg wet									
Pyridine	ND	0.34	mg/Kg wet									
1,2,4,5-Tetrachlorobenzene	ND	0.34	mg/Kg wet									
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet									
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet									
Surrogate: 2-Fluorophenol	*3.90*		mg/Kg wet	6.647		58.7		30-130				
Surrogate: Phenol-d6	*3.78*		mg/Kg wet	6.647		56.8		30-130				
Surrogate: Nitrobenzene-d5	*1.94*		mg/Kg wet	3.323		58.4		30-130				
Surrogate: 2-Fluorobiphenyl	*2.10*		mg/Kg wet	3.323		63.2		30-130				
Surrogate: 2,4,6-Tribromophenol	*4.63*		mg/Kg wet	6.647		69.7		30-130				
Surrogate: p-Terphenyl-d14	*2.21*		mg/Kg wet	3.323		66.5		30-130				
LCS (B417934-BS1)				Prepared: 11/20/25 Analyzed: 11/24/25								
2,3,4,6-Tetrachlorophenol	1.08	0.67	mg/Kg wet	1.662		65.2		40-140				
Atrazine	1.23	0.67	mg/Kg wet	1.662		74.1		40-140				
Benzaldehyde	0.639	0.34	mg/Kg wet	1.662		**38.5**	*	40-140			V-34, V-05, L-04	
Biphenyl	1.06	0.067	mg/Kg wet	1.662		63.9		40-140				
Caprolactam	0.949	0.34	mg/Kg wet	1.662		57.1		40-140				
Acenaphthene	0.983	0.033	mg/Kg wet	1.662		59.2		40-140				
Acenaphthylene	1.06	0.033	mg/Kg wet	1.662		63.5		40-140				
Acetophenone	0.886	0.34	mg/Kg wet	1.662		53.3		40-140				
Aniline	0.458	0.34	mg/Kg wet	1.662		27.6		10-140			V-34	†
Anthracene	0.977	0.033	mg/Kg wet	1.662		58.8		40-140				
Benzo(a)anthracene	1.00	0.033	mg/Kg wet	1.662		60.3		40-140				
Benzo(a)pyrene	1.08	0.033	mg/Kg wet	1.662		64.9		40-140				
Benzo(b)fluoranthene	1.06	0.033	mg/Kg wet	1.662		63.9		40-140				
Benzo(g,h,i)perylene	0.962	0.033	mg/Kg wet	1.662		57.9		40-140				
Benzo(k)fluoranthene	1.03	0.033	mg/Kg wet	1.662		62.3		40-140				
Bis(2-chloroethoxy)methane	0.857	0.34	mg/Kg wet	1.662		51.6		40-140				
Bis(2-chloroethyl)ether	0.869	0.34	mg/Kg wet	1.662		52.3		40-140				
2,2'-oxybis(1-Chloropropane)	0.982	0.34	mg/Kg wet	1.662		59.1		40-140				
Bis(2-Ethylhexyl)phthalate	1.15	0.34	mg/Kg wet	1.662		68.9		40-140				
4-Bromophenylphenylether	1.03	0.34	mg/Kg wet	1.662		62.1		40-140				
Butylbenzylphthalate	1.05	0.34	mg/Kg wet	1.662		63.3		40-140				
Carbazole	1.03	0.17	mg/Kg wet	1.662		61.7		40-140				
4-Chloroaniline	0.525	0.66	mg/Kg wet	1.662		31.6		10-140			J	†
4-Chloro-3-methylphenol	0.955	0.66	mg/Kg wet	1.662		57.5		30-130				
2-Chloronaphthalene	0.899	0.34	mg/Kg wet	1.662		54.1		40-140				
2-Chlorophenol	0.886	0.34	mg/Kg wet	1.662		53.3		30-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B417934 - SW-846 3546											
LCS (B417934-BS1)				Prepared: 11/20/25 Analyzed: 11/24/25							
4-Chlorophenylphenylether	1.03	0.34	mg/Kg wet	1.662		62.2	40-140				
Chrysene	0.990	0.033	mg/Kg wet	1.662		59.6	40-140				
Dibenz(a,h)anthracene	1.02	0.033	mg/Kg wet	1.662		61.6	40-140				
Dibenzofuran	1.03	0.34	mg/Kg wet	1.662		61.7	40-140				
Di-n-butylphthalate	1.05	0.34	mg/Kg wet	1.662		63.5	40-140				
3,3-Dichlorobenzidine	0.868	0.17	mg/Kg wet	1.662		52.2	20-140				†
2,4-Dichlorophenol	0.981	0.34	mg/Kg wet	1.662		59.0	30-130				
Diethylphthalate	1.04	0.34	mg/Kg wet	1.662		62.4	40-140				
2,4-Dimethylphenol	0.996	0.34	mg/Kg wet	1.662		59.9	30-130				
Dimethylphthalate	1.02	0.34	mg/Kg wet	1.662		61.2	40-140				
4,6-Dinitro-2-methylphenol	1.07	0.34	mg/Kg wet	1.662		64.5	30-130				
2,4-Dinitrophenol	1.18	0.66	mg/Kg wet	1.662		71.2	30-130			V-04, V-06	
2,4-Dinitrotoluene	1.11	0.34	mg/Kg wet	1.662		66.6	40-140				
2,6-Dinitrotoluene	1.08	0.34	mg/Kg wet	1.662		65.1	40-140				
Di-n-octylphthalate	1.17	0.34	mg/Kg wet	1.662		70.3	40-140				
Fluoranthene	1.05	0.033	mg/Kg wet	1.662		63.5	40-140				
Fluorene	1.01	0.033	mg/Kg wet	1.662		61.0	40-140				
Hexachlorobenzene	1.08	0.34	mg/Kg wet	1.662		64.9	40-140				
Hexachlorobutadiene	1.00	0.34	mg/Kg wet	1.662		60.3	40-140				
Hexachlorocyclopentadiene	1.08	0.34	mg/Kg wet	1.662		65.2	40-140				
Hexachloroethane	0.856	0.34	mg/Kg wet	1.662		51.5	40-140				
Indeno(1,2,3-cd)pyrene	1.04	0.033	mg/Kg wet	1.662		62.6	40-140				
Isophorone	0.987	0.34	mg/Kg wet	1.662		59.4	40-140				
1-Methylnaphthalene	0.938	0.033	mg/Kg wet	1.662		56.4	40-140				
2-Methylnaphthalene	0.857	0.033	mg/Kg wet	1.662		51.6	40-140				
2-Methylphenol	0.899	0.34	mg/Kg wet	1.662		54.1	30-130				
3/4-Methylphenol	0.957	0.34	mg/Kg wet	1.662		57.6	30-130				
Naphthalene	0.921	0.033	mg/Kg wet	1.662		55.4	40-140				
2-Nitroaniline	1.24	0.34	mg/Kg wet	1.662		74.5	40-140				
3-Nitroaniline	0.876	0.34	mg/Kg wet	1.662		52.7	30-140				†
4-Nitroaniline	1.03	0.34	mg/Kg wet	1.662		61.7	40-140				
Nitrobenzene	0.921	0.34	mg/Kg wet	1.662		55.4	40-140				
2-Nitrophenol	1.01	0.34	mg/Kg wet	1.662		60.6	30-130				
4-Nitrophenol	1.19	0.66	mg/Kg wet	1.662		71.4	30-130				
N-Nitrosodiphenylamine/Diphenylamine	0.990	0.34	mg/Kg wet	1.662		59.6	40-140				
N-Nitrosodi-n-propylamine	0.908	0.34	mg/Kg wet	1.662		54.6	40-140				
Pentachlorophenol	1.00	0.34	mg/Kg wet	1.662		60.4	30-130				
Phenanthrene	0.958	0.033	mg/Kg wet	1.662		57.7	40-140				
Phenol	0.901	0.34	mg/Kg wet	1.662		54.2	30-130				
Pyrene	0.922	0.033	mg/Kg wet	1.662		55.5	40-140				
Pyridine	0.553	0.34	mg/Kg wet	1.662		33.3	30-140				†
1,2,4,5-Tetrachlorobenzene	1.06	0.34	mg/Kg wet	1.662		63.8	40-140				
2,4,5-Trichlorophenol	1.11	0.34	mg/Kg wet	1.662		66.9	30-130				
2,4,6-Trichlorophenol	1.04	0.34	mg/Kg wet	1.662		62.6	30-130				
Surrogate: 2-Fluorophenol	*3.78*		mg/Kg wet	6.647		56.9	30-130				
Surrogate: Phenol-d6	*3.75*		mg/Kg wet	6.647		56.4	30-130				
Surrogate: Nitrobenzene-d5	*1.88*		mg/Kg wet	3.323		56.7	30-130				
Surrogate: 2-Fluorobiphenyl	*2.11*		mg/Kg wet	3.323		63.6	30-130				
Surrogate: 2,4,6-Tribromophenol	*5.08*		mg/Kg wet	6.647		76.5	30-130				
Surrogate: p-Terphenyl-d14	*2.08*		mg/Kg wet	3.323		62.4	30-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B417934 - SW-846 3546												
LCS Dup (B417934-BSD1)				Prepared: 11/20/25 Analyzed: 11/24/25								
2,3,4,6-Tetrachlorophenol	1.08	0.67	mg/Kg wet	1.662		64.9		40-140	0.430	20		
Atrazine	1.22	0.67	mg/Kg wet	1.662		73.3		40-140	1.11	30		
Benzaldehyde	0.619	0.34	mg/Kg wet	1.662		**37.2**	*	40-140	3.22	20	L-04, V-05, V-34	
Biphenyl	1.02	0.067	mg/Kg wet	1.662		61.4		40-140	4.05	20		
Caprolactam	0.986	0.34	mg/Kg wet	1.662		59.3		40-140	3.74	20		
Acenaphthene	0.978	0.033	mg/Kg wet	1.662		58.9		40-140	0.474	30		
Acenaphthylene	1.06	0.033	mg/Kg wet	1.662		63.6		40-140	0.220	30		
Acetophenone	0.871	0.34	mg/Kg wet	1.662		52.4		40-140	1.70	30		
Aniline	0.597	0.34	mg/Kg wet	1.662		35.9		10-140	26.2	50	V-34	† ‡
Anthracene	0.964	0.033	mg/Kg wet	1.662		58.0		40-140	1.37	30		
Benzo(a)anthracene	0.996	0.033	mg/Kg wet	1.662		60.0		40-140	0.532	30		
Benzo(a)pyrene	1.05	0.033	mg/Kg wet	1.662		63.0		40-140	3.10	30		
Benzo(b)fluoranthene	1.05	0.033	mg/Kg wet	1.662		63.0		40-140	1.29	30		
Benzo(g,h,i)perylene	0.946	0.033	mg/Kg wet	1.662		57.0		40-140	1.67	30		
Benzo(k)fluoranthene	1.02	0.033	mg/Kg wet	1.662		61.5		40-140	1.26	30		
Bis(2-chloroethoxy)methane	0.881	0.34	mg/Kg wet	1.662		53.0		40-140	2.71	30		
Bis(2-chloroethyl)ether	0.867	0.34	mg/Kg wet	1.662		52.2		40-140	0.191	30		
2,2'-oxybis(1-Chloropropane)	0.980	0.34	mg/Kg wet	1.662		59.0		40-140	0.237	30		
Bis(2-Ethylhexyl)phthalate	1.11	0.34	mg/Kg wet	1.662		66.7		40-140	3.33	30		
4-Bromophenylphenylether	0.970	0.34	mg/Kg wet	1.662		58.4		40-140	6.24	30		
Butylbenzylphthalate	1.03	0.34	mg/Kg wet	1.662		62.3		40-140	1.56	30		
Carbazole	1.03	0.17	mg/Kg wet	1.662		61.8		40-140	0.0648	30		
4-Chloroaniline	0.693	0.66	mg/Kg wet	1.662		41.7		10-140	27.4	30		†
4-Chloro-3-methylphenol	1.00	0.66	mg/Kg wet	1.662		60.2		30-130	4.66	30		
2-Chloronaphthalene	0.875	0.34	mg/Kg wet	1.662		52.6		40-140	2.77	30		
2-Chlorophenol	0.879	0.34	mg/Kg wet	1.662		52.9		30-130	0.791	30		
4-Chlorophenylphenylether	1.01	0.34	mg/Kg wet	1.662		60.9		40-140	2.01	30		
Chrysene	0.969	0.033	mg/Kg wet	1.662		58.3		40-140	2.17	30		
Dibenz(a,h)anthracene	1.00	0.033	mg/Kg wet	1.662		60.5		40-140	1.83	30		
Dibenzofuran	1.02	0.34	mg/Kg wet	1.662		61.3		40-140	0.715	30		
Di-n-butylphthalate	1.03	0.34	mg/Kg wet	1.662		62.1		40-140	2.20	30		
3,3-Dichlorobenzidine	1.03	0.17	mg/Kg wet	1.662		61.7		20-140	16.6	50		† ‡
2,4-Dichlorophenol	0.980	0.34	mg/Kg wet	1.662		59.0		30-130	0.102	30		
Diethylphthalate	1.00	0.34	mg/Kg wet	1.662		60.3		40-140	3.42	30		
2,4-Dimethylphenol	0.971	0.34	mg/Kg wet	1.662		58.4		30-130	2.53	30		
Dimethylphthalate	1.01	0.34	mg/Kg wet	1.662		60.6		40-140	0.985	30		
4,6-Dinitro-2-methylphenol	1.10	0.34	mg/Kg wet	1.662		66.0		30-130	2.27	30		
2,4-Dinitrophenol	1.17	0.66	mg/Kg wet	1.662		70.7		30-130	0.705	30	V-04, V-06	
2,4-Dinitrotoluene	1.11	0.34	mg/Kg wet	1.662		66.7		40-140	0.180	30		
2,6-Dinitrotoluene	1.09	0.34	mg/Kg wet	1.662		65.4		40-140	0.521	30		
Di-n-octylphthalate	1.13	0.34	mg/Kg wet	1.662		68.0		40-140	3.38	30		
Fluoranthene	1.05	0.033	mg/Kg wet	1.662		63.2		40-140	0.379	30		
Fluorene	1.03	0.033	mg/Kg wet	1.662		61.9		40-140	1.43	30		
Hexachlorobenzene	1.05	0.34	mg/Kg wet	1.662		62.9		40-140	3.04	30		
Hexachlorobutadiene	0.966	0.34	mg/Kg wet	1.662		58.1		40-140	3.75	30		
Hexachlorocyclopentadiene	1.02	0.34	mg/Kg wet	1.662		61.1		40-140	6.43	30		
Hexachloroethane	0.827	0.34	mg/Kg wet	1.662		49.8		40-140	3.44	30		
Indeno(1,2,3-cd)pyrene	1.01	0.033	mg/Kg wet	1.662		60.8		40-140	2.92	30		
Isophorone	0.991	0.34	mg/Kg wet	1.662		59.6		40-140	0.437	30		
1-Methylnaphthalene	0.935	0.033	mg/Kg wet	1.662		56.3		40-140	0.248	30		
2-Methylnaphthalene	0.863	0.033	mg/Kg wet	1.662		51.9		40-140	0.657	30		
2-Methylphenol	0.912	0.34	mg/Kg wet	1.662		54.9		30-130	1.43	30		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B417934 - SW-846 3546										
LCS Dup (B417934-BSD1)				Prepared: 11/20/25 Analyzed: 11/24/25						
3/4-Methylphenol	0.955	0.34	mg/Kg wet	1.662		57.5	30-130	0.278	30	
Naphthalene	0.921	0.033	mg/Kg wet	1.662		55.4	40-140	0.0361	30	
2-Nitroaniline	1.24	0.34	mg/Kg wet	1.662		74.6	40-140	0.188	30	
3-Nitroaniline	0.950	0.34	mg/Kg wet	1.662		57.2	30-140	8.08	30	†
4-Nitroaniline	1.04	0.34	mg/Kg wet	1.662		62.9	40-140	1.83	30	
Nitrobenzene	0.938	0.34	mg/Kg wet	1.662		56.4	40-140	1.82	30	
2-Nitrophenol	0.996	0.34	mg/Kg wet	1.662		59.9	30-130	1.19	30	
4-Nitrophenol	1.20	0.66	mg/Kg wet	1.662		72.0	30-130	0.837	50	‡
N-Nitrosodiphenylamine/Diphenylamine	0.963	0.34	mg/Kg wet	1.662		58.0	40-140	2.72	30	
N-Nitrosodi-n-propylamine	0.872	0.34	mg/Kg wet	1.662		52.5	40-140	3.99	30	
Pentachlorophenol	0.937	0.34	mg/Kg wet	1.662		56.4	30-130	6.82	30	
Phenanthrene	0.946	0.033	mg/Kg wet	1.662		56.9	40-140	1.26	30	
Phenol	0.927	0.34	mg/Kg wet	1.662		55.8	30-130	2.87	30	
Pyrene	0.901	0.033	mg/Kg wet	1.662		54.2	40-140	2.30	30	
Pyridine	0.587	0.34	mg/Kg wet	1.662		35.3	30-140	5.83	30	†
1,2,4,5-Tetrachlorobenzene	1.02	0.34	mg/Kg wet	1.662		61.2	40-140	4.06	30	
2,4,5-Trichlorophenol	1.09	0.34	mg/Kg wet	1.662		65.4	30-130	2.36	30	
2,4,6-Trichlorophenol	1.02	0.34	mg/Kg wet	1.662		61.5	30-130	1.87	30	
Surrogate: 2-Fluorophenol	*3.73*		mg/Kg wet	6.647		56.1	30-130			
Surrogate: Phenol-d6	*3.68*		mg/Kg wet	6.647		55.3	30-130			
Surrogate: Nitrobenzene-d5	*1.84*		mg/Kg wet	3.323		55.4	30-130			
Surrogate: 2-Fluorobiphenyl	*2.00*		mg/Kg wet	3.323		60.0	30-130			
Surrogate: 2,4,6-Tribromophenol	*4.90*		mg/Kg wet	6.647		73.8	30-130			
Surrogate: p-Terphenyl-d14	*2.03*		mg/Kg wet	3.323		61.1	30-130			
Batch B418195 - SW-846 3546										
Blank (B418195-BLK1)				Prepared: 11/25/25 Analyzed: 11/26/25						
2,3,4,6-Tetrachlorophenol	ND	0.67	mg/Kg wet							
Atrazine	ND	0.67	mg/Kg wet							V-06
Benzaldehyde	ND	0.34	mg/Kg wet							V-05, V-34
Biphenyl	ND	0.067	mg/Kg wet							
Caprolactam	ND	0.34	mg/Kg wet							
Acenaphthene	ND	0.033	mg/Kg wet							
Acenaphthylene	ND	0.033	mg/Kg wet							
Acetophenone	ND	0.34	mg/Kg wet							
Aniline	ND	0.34	mg/Kg wet							V-05, V-34
Anthracene	ND	0.033	mg/Kg wet							
Benzo(a)anthracene	ND	0.033	mg/Kg wet							
Benzo(a)pyrene	ND	0.033	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.033	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.033	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.033	mg/Kg wet							
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet							
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet							
2,2'-oxybis(1-Chloropropane)	ND	0.34	mg/Kg wet							
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet							V-06
4-Bromophenylphenylether	ND	0.34	mg/Kg wet							
Butylbenzylphthalate	ND	0.34	mg/Kg wet							
Carbazole	ND	0.17	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							
4-Chloro-3-methylphenol	ND	0.66	mg/Kg wet							
2-Chloronaphthalene	ND	0.34	mg/Kg wet							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B418195 - SW-846 3546										
Blank (B418195-BLK1)				Prepared: 11/25/25 Analyzed: 11/26/25						
2-Chlorophenol	ND	0.34	mg/Kg wet							
4-Chlorophenylphenylether	ND	0.34	mg/Kg wet							
Chrysene	ND	0.033	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.033	mg/Kg wet							
Dibenzofuran	ND	0.34	mg/Kg wet							
Di-n-butylphthalate	ND	0.34	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.34	mg/Kg wet							
Diethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dimethylphenol	ND	0.34	mg/Kg wet							
Dimethylphthalate	ND	0.34	mg/Kg wet							
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							V-04, V-06
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.34	mg/Kg wet							V-06
Fluoranthene	ND	0.033	mg/Kg wet							
Fluorene	ND	0.033	mg/Kg wet							
Hexachlorobenzene	ND	0.34	mg/Kg wet							
Hexachlorobutadiene	ND	0.34	mg/Kg wet							
Hexachlorocyclopentadiene	ND	0.34	mg/Kg wet							
Hexachloroethane	ND	0.34	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.033	mg/Kg wet							
Isophorone	ND	0.34	mg/Kg wet							
1-Methylnaphthalene	ND	0.033	mg/Kg wet							
2-Methylnaphthalene	ND	0.033	mg/Kg wet							
2-Methylphenol	ND	0.34	mg/Kg wet							
3/4-Methylphenol	ND	0.34	mg/Kg wet							
Naphthalene	ND	0.033	mg/Kg wet							
2-Nitroaniline	ND	0.34	mg/Kg wet							
3-Nitroaniline	ND	0.34	mg/Kg wet							
4-Nitroaniline	ND	0.34	mg/Kg wet							
Nitrobenzene	ND	0.34	mg/Kg wet							
2-Nitrophenol	ND	0.34	mg/Kg wet							
4-Nitrophenol	ND	0.66	mg/Kg wet							
N-Nitrosodiphenylamine/Diphenylamine	ND	0.34	mg/Kg wet							
N-Nitrosodi-n-propylamine	ND	0.34	mg/Kg wet							
Pentachlorophenol	ND	0.34	mg/Kg wet							
Phenanthrene	ND	0.033	mg/Kg wet							
Phenol	ND	0.34	mg/Kg wet							
Pyrene	ND	0.033	mg/Kg wet							
Pyridine	ND	0.34	mg/Kg wet							
1,2,4,5-Tetrachlorobenzene	ND	0.34	mg/Kg wet							
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet							
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet							
Surrogate: 2-Fluorophenol	*5.07*		mg/Kg wet	6.662		76.0	30-130			
Surrogate: Phenol-d6	*5.10*		mg/Kg wet	6.662		76.6	30-130			
Surrogate: Nitrobenzene-d5	*2.60*		mg/Kg wet	3.331		78.2	30-130			
Surrogate: 2-Fluorobiphenyl	*2.64*		mg/Kg wet	3.331		79.3	30-130			
Surrogate: 2,4,6-Tribromophenol	*5.78*		mg/Kg wet	6.662		86.8	30-130			
Surrogate: p-Terphenyl-d14	*2.83*		mg/Kg wet	3.331		85.0	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B418195 - SW-846 3546											
LCS (B418195-BS1)				Prepared: 11/25/25 Analyzed: 11/26/25							
2,3,4,6-Tetrachlorophenol	1.31	0.67	mg/Kg wet	1.662		78.6	40-140				
Atrazine	1.47	0.67	mg/Kg wet	1.662		88.4	40-140			V-06	
Benzaldehyde	0.899	0.34	mg/Kg wet	1.662		54.1	40-140			V-05, V-34	
Biphenyl	1.33	0.067	mg/Kg wet	1.662		79.7	40-140				
Caprolactam	1.22	0.34	mg/Kg wet	1.662		73.6	40-140				
Acenaphthene	1.22	0.033	mg/Kg wet	1.662		73.4	40-140				
Acenaphthylene	1.31	0.033	mg/Kg wet	1.662		78.9	40-140				
Acetophenone	1.12	0.34	mg/Kg wet	1.662		67.2	40-140				
Aniline	0.898	0.34	mg/Kg wet	1.662		54.0	10-140			V-05, V-34	†
Anthracene	1.24	0.033	mg/Kg wet	1.662		74.4	40-140				
Benzo(a)anthracene	1.26	0.033	mg/Kg wet	1.662		75.7	40-140				
Benzo(a)pyrene	1.30	0.033	mg/Kg wet	1.662		78.5	40-140				
Benzo(b)fluoranthene	1.31	0.033	mg/Kg wet	1.662		78.7	40-140				
Benzo(g,h,i)perylene	1.43	0.033	mg/Kg wet	1.662		85.8	40-140				
Benzo(k)fluoranthene	1.29	0.033	mg/Kg wet	1.662		77.6	40-140				
Bis(2-chloroethoxy)methane	1.20	0.34	mg/Kg wet	1.662		72.1	40-140				
Bis(2-chloroethyl)ether	1.20	0.34	mg/Kg wet	1.662		72.0	40-140				
2,2'-oxybis(1-Chloropropane)	1.43	0.34	mg/Kg wet	1.662		85.9	40-140				
Bis(2-Ethylhexyl)phthalate	1.63	0.34	mg/Kg wet	1.662		98.0	40-140			V-06	
4-Bromophenylphenylether	1.31	0.34	mg/Kg wet	1.662		78.7	40-140				
Butylbenzylphthalate	1.41	0.34	mg/Kg wet	1.662		85.0	40-140				
Carbazole	1.27	0.17	mg/Kg wet	1.662		76.3	40-140				
4-Chloroaniline	0.915	0.66	mg/Kg wet	1.662		55.0	10-140				†
4-Chloro-3-methylphenol	1.22	0.66	mg/Kg wet	1.662		73.3	30-130				
2-Chloronaphthalene	1.15	0.34	mg/Kg wet	1.662		69.0	40-140				
2-Chlorophenol	1.12	0.34	mg/Kg wet	1.662		67.2	30-130				
4-Chlorophenylphenylether	1.28	0.34	mg/Kg wet	1.662		76.8	40-140				
Chrysene	1.22	0.033	mg/Kg wet	1.662		73.4	40-140				
Dibenz(a,h)anthracene	1.46	0.033	mg/Kg wet	1.662		87.5	40-140				
Dibenzofuran	1.27	0.34	mg/Kg wet	1.662		76.5	40-140				
Di-n-butylphthalate	1.36	0.34	mg/Kg wet	1.662		82.1	40-140				
3,3-Dichlorobenzidine	1.26	0.17	mg/Kg wet	1.662		75.7	20-140				†
2,4-Dichlorophenol	1.22	0.34	mg/Kg wet	1.662		73.1	30-130				
Diethylphthalate	1.31	0.34	mg/Kg wet	1.662		78.7	40-140				
2,4-Dimethylphenol	1.29	0.34	mg/Kg wet	1.662		77.4	30-130				
Dimethylphthalate	1.29	0.34	mg/Kg wet	1.662		77.5	40-140				
4,6-Dinitro-2-methylphenol	1.26	0.34	mg/Kg wet	1.662		75.7	30-130				
2,4-Dinitrophenol	1.42	0.66	mg/Kg wet	1.662		85.6	30-130			V-04, V-06	
2,4-Dinitrotoluene	1.35	0.34	mg/Kg wet	1.662		81.2	40-140				
2,6-Dinitrotoluene	1.37	0.34	mg/Kg wet	1.662		82.5	40-140				
Di-n-octylphthalate	1.51	0.34	mg/Kg wet	1.662		90.7	40-140			V-06	
Fluoranthene	1.28	0.033	mg/Kg wet	1.662		77.0	40-140				
Fluorene	1.28	0.033	mg/Kg wet	1.662		77.0	40-140				
Hexachlorobenzene	1.37	0.34	mg/Kg wet	1.662		82.6	40-140				
Hexachlorobutadiene	1.17	0.34	mg/Kg wet	1.662		70.3	40-140				
Hexachlorocyclopentadiene	1.38	0.34	mg/Kg wet	1.662		83.0	40-140				
Hexachloroethane	1.04	0.34	mg/Kg wet	1.662		62.8	40-140				
Indeno(1,2,3-cd)pyrene	1.46	0.033	mg/Kg wet	1.662		87.8	40-140				
Isophorone	1.29	0.34	mg/Kg wet	1.662		77.9	40-140				
1-Methylnaphthalene	1.15	0.033	mg/Kg wet	1.662		69.5	40-140				
2-Methylnaphthalene	1.05	0.033	mg/Kg wet	1.662		62.9	40-140				
2-Methylphenol	1.16	0.34	mg/Kg wet	1.662		69.6	30-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B418195 - SW-846 3546											
LCS (B418195-BS1)				Prepared: 11/25/25 Analyzed: 11/26/25							
3/4-Methylphenol	1.21	0.34	mg/Kg wet	1.662		72.7	30-130				
Naphthalene	1.14	0.033	mg/Kg wet	1.662		68.6	40-140				
2-Nitroaniline	1.40	0.34	mg/Kg wet	1.662		84.5	40-140				
3-Nitroaniline	1.19	0.34	mg/Kg wet	1.662		71.4	30-140				†
4-Nitroaniline	1.28	0.34	mg/Kg wet	1.662		76.8	40-140				
Nitrobenzene	1.18	0.34	mg/Kg wet	1.662		71.0	40-140				
2-Nitrophenol	1.19	0.34	mg/Kg wet	1.662		71.4	30-130				
4-Nitrophenol	1.35	0.66	mg/Kg wet	1.662		81.4	30-130				
N-Nitrosodiphenylamine/Diphenylamine	1.28	0.34	mg/Kg wet	1.662		76.9	40-140				
N-Nitrosodi-n-propylamine	1.22	0.34	mg/Kg wet	1.662		73.5	40-140				
Pentachlorophenol	1.12	0.34	mg/Kg wet	1.662		67.5	30-130				
Phenanthrene	1.21	0.033	mg/Kg wet	1.662		72.5	40-140				
Phenol	1.22	0.34	mg/Kg wet	1.662		73.5	30-130				
Pyrene	1.18	0.033	mg/Kg wet	1.662		70.9	40-140				
Pyridine	0.732	0.34	mg/Kg wet	1.662		44.0	30-140				†
1,2,4,5-Tetrachlorobenzene	1.24	0.34	mg/Kg wet	1.662		74.8	40-140				
2,4,5-Trichlorophenol	1.34	0.34	mg/Kg wet	1.662		80.8	30-130				
2,4,6-Trichlorophenol	1.28	0.34	mg/Kg wet	1.662		77.2	30-130				
Surrogate: 2-Fluorophenol	*4.98*		mg/Kg wet	6.649		75.0	30-130				
Surrogate: Phenol-d6	*4.96*		mg/Kg wet	6.649		74.6	30-130				
Surrogate: Nitrobenzene-d5	*2.46*		mg/Kg wet	3.324		74.0	30-130				
Surrogate: 2-Fluorobiphenyl	*2.64*		mg/Kg wet	3.324		79.4	30-130				
Surrogate: 2,4,6-Tribromophenol	*6.26*		mg/Kg wet	6.649		94.1	30-130				
Surrogate: p-Terphenyl-d14	*2.75*		mg/Kg wet	3.324		82.8	30-130				
LCS Dup (B418195-BSD1)				Prepared: 11/25/25 Analyzed: 11/26/25							
2,3,4,6-Tetrachlorophenol	1.42	0.67	mg/Kg wet	1.665		85.2	40-140	8.22	20		
Atrazine	1.55	0.67	mg/Kg wet	1.665		92.8	40-140	5.04	30	V-06	
Benzaldehyde	0.920	0.34	mg/Kg wet	1.665		55.3	40-140	2.40	20	V-05, V-34	
Biphenyl	1.37	0.067	mg/Kg wet	1.665		82.3	40-140	3.35	20		
Caprolactam	1.20	0.34	mg/Kg wet	1.665		71.9	40-140	2.20	20		
Acenaphthene	1.29	0.033	mg/Kg wet	1.665		77.8	40-140	5.91	30		
Acenaphthylene	1.40	0.033	mg/Kg wet	1.665		84.0	40-140	6.53	30		
Acetophenone	1.21	0.34	mg/Kg wet	1.665		72.6	40-140	7.81	30		
Aniline	0.926	0.34	mg/Kg wet	1.665		55.6	10-140	3.08	50	V-05, V-34	† ‡
Anthracene	1.31	0.033	mg/Kg wet	1.665		78.5	40-140	5.61	30		
Benzo(a)anthracene	1.35	0.033	mg/Kg wet	1.665		81.0	40-140	7.03	30		
Benzo(a)pyrene	1.42	0.033	mg/Kg wet	1.665		85.1	40-140	8.28	30		
Benzo(b)fluoranthene	1.43	0.033	mg/Kg wet	1.665		85.7	40-140	8.71	30		
Benzo(g,h,i)perylene	1.59	0.033	mg/Kg wet	1.665		95.3	40-140	10.6	30		
Benzo(k)fluoranthene	1.37	0.033	mg/Kg wet	1.665		82.2	40-140	6.00	30		
Bis(2-chloroethoxy)methane	1.26	0.34	mg/Kg wet	1.665		75.6	40-140	4.82	30		
Bis(2-chloroethyl)ether	1.31	0.34	mg/Kg wet	1.665		78.9	40-140	9.32	30		
2,2'-oxybis(1-Chloropropane)	1.61	0.34	mg/Kg wet	1.665		96.8	40-140	12.1	30		
Bis(2-Ethylhexyl)phthalate	1.63	0.34	mg/Kg wet	1.665		97.7	40-140	0.222	30	V-06	
4-Bromophenylphenylether	1.42	0.34	mg/Kg wet	1.665		85.1	40-140	8.05	30		
Butylbenzylphthalate	1.40	0.34	mg/Kg wet	1.665		84.3	40-140	0.684	30		
Carbazole	1.35	0.17	mg/Kg wet	1.665		81.1	40-140	6.24	30		
4-Chloroaniline	0.901	0.66	mg/Kg wet	1.665		54.1	10-140	1.48	30		†
4-Chloro-3-methylphenol	1.17	0.66	mg/Kg wet	1.665		70.1	30-130	4.38	30		
2-Chloronaphthalene	1.19	0.34	mg/Kg wet	1.665		71.3	40-140	3.36	30		
2-Chlorophenol	1.18	0.34	mg/Kg wet	1.665		70.8	30-130	5.33	30		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B418195 - SW-846 3546											
LCS Dup (B418195-BSD1)				Prepared: 11/25/25 Analyzed: 11/26/25							
4-Chlorophenylphenylether	1.35	0.34	mg/Kg wet	1.665		81.1	40-140	5.62	30		
Chrysene	1.32	0.033	mg/Kg wet	1.665		79.0	40-140	7.57	30		
Dibenz(a,h)anthracene	1.59	0.033	mg/Kg wet	1.665		95.6	40-140	8.99	30		
Dibenzofuran	1.35	0.34	mg/Kg wet	1.665		80.8	40-140	5.63	30		
Di-n-butylphthalate	1.40	0.34	mg/Kg wet	1.665		84.3	40-140	2.86	30		
3,3-Dichlorobenzidine	1.33	0.17	mg/Kg wet	1.665		79.8	20-140	5.44	50		† ‡
2,4-Dichlorophenol	1.28	0.34	mg/Kg wet	1.665		76.8	30-130	5.10	30		
Diethylphthalate	1.34	0.34	mg/Kg wet	1.665		80.8	40-140	2.72	30		
2,4-Dimethylphenol	1.36	0.34	mg/Kg wet	1.665		81.6	30-130	5.50	30		
Dimethylphthalate	1.37	0.34	mg/Kg wet	1.665		82.3	40-140	6.25	30		
4,6-Dinitro-2-methylphenol	1.36	0.34	mg/Kg wet	1.665		81.8	30-130	7.81	30		
2,4-Dinitrophenol	1.46	0.66	mg/Kg wet	1.665		87.6	30-130	2.48	30	V-04, V-06	
2,4-Dinitrotoluene	1.43	0.34	mg/Kg wet	1.665		86.0	40-140	5.81	30		
2,6-Dinitrotoluene	1.48	0.34	mg/Kg wet	1.665		88.7	40-140	7.34	30		
Di-n-octylphthalate	1.52	0.34	mg/Kg wet	1.665		91.3	40-140	0.804	30	V-06	
Fluoranthene	1.36	0.033	mg/Kg wet	1.665		81.9	40-140	6.28	30		
Fluorene	1.34	0.033	mg/Kg wet	1.665		80.8	40-140	4.91	30		
Hexachlorobenzene	1.50	0.34	mg/Kg wet	1.665		89.9	40-140	8.61	30		
Hexachlorobutadiene	1.21	0.34	mg/Kg wet	1.665		72.8	40-140	3.69	30		
Hexachlorocyclopentadiene	1.45	0.34	mg/Kg wet	1.665		86.9	40-140	4.85	30		
Hexachloroethane	1.08	0.34	mg/Kg wet	1.665		65.0	40-140	3.67	30		
Indeno(1,2,3-cd)pyrene	1.61	0.033	mg/Kg wet	1.665		96.5	40-140	9.63	30		
Isophorone	1.46	0.34	mg/Kg wet	1.665		87.7	40-140	12.1	30		
1-Methylnaphthalene	1.13	0.033	mg/Kg wet	1.665		67.9	40-140	2.11	30		
2-Methylnaphthalene	1.03	0.033	mg/Kg wet	1.665		61.8	40-140	1.73	30		
2-Methylphenol	1.26	0.34	mg/Kg wet	1.665		75.8	30-130	8.75	30		
3/4-Methylphenol	1.33	0.34	mg/Kg wet	1.665		79.8	30-130	9.45	30		
Naphthalene	1.20	0.033	mg/Kg wet	1.665		72.0	40-140	5.03	30		
2-Nitroaniline	1.54	0.34	mg/Kg wet	1.665		92.3	40-140	8.99	30		
3-Nitroaniline	1.24	0.34	mg/Kg wet	1.665		74.6	30-140	4.47	30		†
4-Nitroaniline	1.36	0.34	mg/Kg wet	1.665		81.4	40-140	5.98	30		
Nitrobenzene	1.33	0.34	mg/Kg wet	1.665		79.8	40-140	11.8	30		
2-Nitrophenol	1.29	0.34	mg/Kg wet	1.665		77.4	30-130	8.26	30		
4-Nitrophenol	1.32	0.66	mg/Kg wet	1.665		79.5	30-130	2.20	50		‡
N-Nitrosodiphenylamine/Diphenylamine	1.36	0.34	mg/Kg wet	1.665		81.7	40-140	6.22	30		
N-Nitrosodi-n-propylamine	1.37	0.34	mg/Kg wet	1.665		82.0	40-140	11.2	30		
Pentachlorophenol	1.24	0.34	mg/Kg wet	1.665		74.3	30-130	9.73	30		
Phenanthrene	1.29	0.033	mg/Kg wet	1.665		77.4	40-140	6.73	30		
Phenol	1.27	0.34	mg/Kg wet	1.665		76.2	30-130	3.78	30		
Pyrene	1.25	0.033	mg/Kg wet	1.665		75.3	40-140	6.10	30		
Pyridine	0.736	0.34	mg/Kg wet	1.665		44.2	30-140	0.529	30		†
1,2,4,5-Tetrachlorobenzene	1.33	0.34	mg/Kg wet	1.665		79.7	40-140	6.41	30		
2,4,5-Trichlorophenol	1.41	0.34	mg/Kg wet	1.665		84.8	30-130	5.02	30		
2,4,6-Trichlorophenol	1.36	0.34	mg/Kg wet	1.665		81.5	30-130	5.58	30		
Surrogate: 2-Fluorophenol	*5.05*		mg/Kg wet	6.660		75.9	30-130				
Surrogate: Phenol-d6	*5.08*		mg/Kg wet	6.660		76.3	30-130				
Surrogate: Nitrobenzene-d5	*2.64*		mg/Kg wet	3.330		79.1	30-130				
Surrogate: 2-Fluorobiphenyl	*2.71*		mg/Kg wet	3.330		81.5	30-130				
Surrogate: 2,4,6-Tribromophenol	*6.77*		mg/Kg wet	6.660		102	30-130				
Surrogate: p-Terphenyl-d14	*2.86*		mg/Kg wet	3.330		85.9	30-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B418195 - SW-846 3546											
Matrix Spike (B418195-MS1)	**Source: 25K1213-13RE1**			Prepared: 11/25/25 Analyzed: 11/26/25							
2,3,4,6-Tetrachlorophenol	0.900	0.79	mg/Kg dry	1.960	ND	45.9		40-140			
Atrazine	1.39	0.79	mg/Kg dry	1.960	ND	70.9		40-140			V-06
Benzaldehyde	0.869	0.40	mg/Kg dry	1.960	0.0831	40.1		40-140			V-05, V-34
Biphenyl	1.19	0.079	mg/Kg dry	1.960	ND	60.8		40-140			
Caprolactam	1.07	0.40	mg/Kg dry	1.960	ND	54.7		40-140			
Acenaphthene	1.07	0.039	mg/Kg dry	1.960	ND	54.4		40-140			
Acenaphthylene	1.19	0.039	mg/Kg dry	1.960	0.00745	60.5		40-140			
Acetophenone	0.970	0.40	mg/Kg dry	1.960	ND	49.5		40-140			
Aniline	0.363	0.40	mg/Kg dry	1.960	ND	**18.5**	*	40-140			MS-09, R-06, V-05, V-34, J
Anthracene	1.15	0.039	mg/Kg dry	1.960	0.00784	58.3		40-140			
Benzo(a)anthracene	1.23	0.039	mg/Kg dry	1.960	0.0490	60.2		40-140			
Benzo(a)pyrene	1.30	0.039	mg/Kg dry	1.960	0.0506	63.6		40-140			
Benzo(b)fluoranthene	1.39	0.039	mg/Kg dry	1.960	0.0780	67.2		40-140			
Benzo(g,h,i)perylene	1.27	0.039	mg/Kg dry	1.960	0.0431	62.4		40-140			
Benzo(k)fluoranthene	1.24	0.039	mg/Kg dry	1.960	0.0271	62.1		40-140			
Bis(2-chloroethoxy)methane	0.987	0.40	mg/Kg dry	1.960	ND	50.4		40-140			
Bis(2-chloroethyl)ether	0.976	0.40	mg/Kg dry	1.960	ND	49.8		40-140			
2,2'-oxybis(1-Chloropropane)	1.19	0.40	mg/Kg dry	1.960	ND	60.8		40-140			R-06
Bis(2-Ethylhexyl)phthalate	1.80	0.40	mg/Kg dry	1.960	ND	91.7		40-140			V-06
4-Bromophenylphenylether	1.25	0.40	mg/Kg dry	1.960	ND	64.0		40-140			
Butylbenzylphthalate	1.34	0.40	mg/Kg dry	1.960	ND	68.1		40-140			
Carbazole	1.17	0.20	mg/Kg dry	1.960	ND	59.6		40-140			
4-Chloroaniline	0.360	0.78	mg/Kg dry	1.960	ND	**18.4**	*	40-140			MS-09, R-06, J
4-Chloro-3-methylphenol	1.15	0.78	mg/Kg dry	1.960	ND	58.7		30-130			
2-Chloronaphthalene	0.997	0.40	mg/Kg dry	1.960	ND	50.9		40-140			
2-Chlorophenol	0.954	0.40	mg/Kg dry	1.960	ND	48.7		30-130			
4-Chlorophenylphenylether	1.21	0.40	mg/Kg dry	1.960	ND	61.6		40-140			
Chrysene	1.22	0.039	mg/Kg dry	1.960	0.0561	59.3		40-140			
Dibenz(a,h)anthracene	1.33	0.039	mg/Kg dry	1.960	ND	68.1		40-140			
Dibenzofuran	1.19	0.40	mg/Kg dry	1.960	ND	60.5		40-140			
Di-n-butylphthalate	1.41	0.40	mg/Kg dry	1.960	ND	71.8		40-140			
3,3-Dichlorobenzidine	0.0510		mg/Kg dry	1.960	0.00	**2.60**	*	40-140			MS-09
2,4-Dichlorophenol	1.12	0.40	mg/Kg dry	1.960	ND	57.1		30-130			
Diethylphthalate	1.27	0.40	mg/Kg dry	1.960	ND	65.0		40-140			
2,4-Dimethylphenol	1.09	0.40	mg/Kg dry	1.960	ND	55.9		30-130			
Dimethylphthalate	1.24	0.40	mg/Kg dry	1.960	ND	63.4		40-140			
4,6-Dinitro-2-methylphenol	0.778	0.40	mg/Kg dry	1.960	ND	39.7		30-130			R-06
2,4-Dinitrophenol	0.358		mg/Kg dry	1.960	0.00	**18.3**	*	30-130			MS-22, V-04, V-06
2,4-Dinitrotoluene	1.24	0.40	mg/Kg dry	1.960	ND	63.4		40-140			
2,6-Dinitrotoluene	1.25	0.40	mg/Kg dry	1.960	ND	63.8		40-140			
Di-n-octylphthalate	1.83	0.40	mg/Kg dry	1.960	ND	93.2		40-140			V-06
Fluoranthene	1.41	0.039	mg/Kg dry	1.960	0.0941	67.2		40-140			
Fluorene	1.22	0.039	mg/Kg dry	1.960	ND	62.1		40-140			
Hexachlorobenzene	1.34	0.40	mg/Kg dry	1.960	ND	68.5		40-140			
Hexachlorobutadiene	1.09	0.40	mg/Kg dry	1.960	ND	55.8		40-140			
Hexachlorocyclopentadiene	0.0172		mg/Kg dry	1.960	0.00	**0.880**	*	30-130			MS-09
Hexachloroethane	0.563	0.40	mg/Kg dry	1.960	ND	**28.7**	*	40-140			MS-23
Indeno(1,2,3-cd)pyrene	1.40	0.039	mg/Kg dry	1.960	0.0455	69.0		40-140			
Isophorone	1.11	0.40	mg/Kg dry	1.960	ND	56.6		40-140			
1-Methylnaphthalene	1.08	0.039	mg/Kg dry	1.960	0.00549	54.9		40-140			
2-Methylnaphthalene	0.982	0.039	mg/Kg dry	1.960	0.00706	49.8		40-140			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B418195 - SW-846 3546											
Matrix Spike (B418195-MS1)	**Source: 25K1213-13RE1**			Prepared: 11/25/25 Analyzed: 11/26/25							
2-Methylphenol	1.04	0.40	mg/Kg dry	1.960	ND	53.2		30-130			
3/4-Methylphenol	1.10	0.40	mg/Kg dry	1.960	ND	56.1		30-130			
Naphthalene	0.997	0.039	mg/Kg dry	1.960	0.00980	50.4		40-140			
2-Nitroaniline	1.21	0.40	mg/Kg dry	1.960	ND	61.5		40-140			
3-Nitroaniline	1.57	0.40	mg/Kg dry	1.960	ND	79.9		40-140			
4-Nitroaniline	0.629	0.40	mg/Kg dry	1.960	ND	**32.1**	*	40-140			MS-23
Nitrobenzene	0.948	0.40	mg/Kg dry	1.960	ND	48.4		40-140			
2-Nitrophenol	0.966	0.40	mg/Kg dry	1.960	ND	49.3		30-130			
4-Nitrophenol	1.31	0.78	mg/Kg dry	1.960	ND	67.0		30-130			
N-Nitrosodiphenylamine/Diphenylamine	1.16	0.40	mg/Kg dry	1.960	ND	59.1		40-140			
N-Nitrosodi-n-propylamine	1.06	0.40	mg/Kg dry	1.960	ND	54.1		40-140			
Pentachlorophenol	0.696	0.40	mg/Kg dry	1.960	ND	35.5		30-130			R-06
Phenanthrene	1.19	0.039	mg/Kg dry	1.960	0.0361	59.0		40-140			
Phenol	1.07	0.40	mg/Kg dry	1.960	ND	54.8		30-130			
Pyrene	1.14	0.039	mg/Kg dry	1.960	0.0698	54.8		40-140			
Pyridine	0.579	0.40	mg/Kg dry	1.960	ND	**29.6**	*	40-140			MS-09
1,2,4,5-Tetrachlorobenzene	1.15	0.40	mg/Kg dry	1.960	ND	58.6		40-140			
2,4,5-Trichlorophenol	1.21	0.40	mg/Kg dry	1.960	ND	61.7		30-130			
2,4,6-Trichlorophenol	1.06	0.40	mg/Kg dry	1.960	ND	54.0		30-130			
Surrogate: 2-Fluorophenol	*4.03*		mg/Kg dry	7.839		51.4		30-130			
Surrogate: Phenol-d6	*4.16*		mg/Kg dry	7.839		53.1		30-130			
Surrogate: Nitrobenzene-d5	*1.95*		mg/Kg dry	3.919		49.6		30-130			
Surrogate: 2-Fluorobiphenyl	*2.32*		mg/Kg dry	3.919		59.1		30-130			
Surrogate: 2,4,6-Tribromophenol	*4.86*		mg/Kg dry	7.839		62.1		30-130			
Surrogate: p-Terphenyl-d14	*2.48*		mg/Kg dry	3.919		63.3		30-130			
Matrix Spike (B418195-MS2)	**Source: 25K1213-14RE1**			Prepared: 11/25/25 Analyzed: 11/26/25							
2,3,4,6-Tetrachlorophenol	0.740	0.80	mg/Kg dry	1.998	ND	**37.0**	*	40-140			MS-22, J
Atrazine	0.885	0.80	mg/Kg dry	1.998	ND	44.3		40-140			V-06
Benzaldehyde	0.655	0.41	mg/Kg dry	1.998	ND	**32.8**	*	40-140			MS-09, V-05, V-34
Biphenyl	0.888	0.080	mg/Kg dry	1.998	ND	44.5		40-140			
Caprolactam	0.745	0.41	mg/Kg dry	1.998	ND	**37.3**	*	40-140			MS-22
Acenaphthene	0.805	0.040	mg/Kg dry	1.998	ND	40.3		40-140			
Acenaphthylene	0.885	0.040	mg/Kg dry	1.998	0.0171	43.4		40-140			
Acetophenone	0.814	0.41	mg/Kg dry	1.998	ND	40.7		40-140			
Aniline	0.327	0.41	mg/Kg dry	1.998	ND	**16.4**	*	40-140			MS-09, V-05, V-34, J
Anthracene	0.817	0.040	mg/Kg dry	1.998	0.0167	40.0		40-140			
Benzo(a)anthracene	0.910	0.040	mg/Kg dry	1.998	0.0733	41.9		40-140			
Benzo(a)pyrene	0.935	0.040	mg/Kg dry	1.998	0.0817	42.7		40-140			
Benzo(b)fluoranthene	0.983	0.040	mg/Kg dry	1.998	0.116	43.4		40-140			
Benzo(g,h,i)perylene	0.892	0.040	mg/Kg dry	1.998	0.0718	41.1		40-140			
Benzo(k)fluoranthene	0.857	0.040	mg/Kg dry	1.998	0.0415	40.8		40-140			
Bis(2-chloroethoxy)methane	0.820	0.41	mg/Kg dry	1.998	ND	41.0		40-140			
Bis(2-chloroethyl)ether	0.894	0.41	mg/Kg dry	1.998	ND	44.8		40-140			
2,2'-oxybis(1-Chloropropane)	1.13	0.41	mg/Kg dry	1.998	ND	56.8		40-140			R-06
Bis(2-Ethylhexyl)phthalate	1.16	0.41	mg/Kg dry	1.998	ND	57.8		40-140			R-06, V-06
4-Bromophenylphenylether	0.859	0.41	mg/Kg dry	1.998	ND	43.0		40-140			
Butylbenzylphthalate	0.968	0.41	mg/Kg dry	1.998	ND	48.4		40-140			
Carbazole	0.823	0.20	mg/Kg dry	1.998	ND	41.2		40-140			
4-Chloroaniline	0.403	0.79	mg/Kg dry	1.998	ND	**20.2**	*	40-140			MS-09, J
4-Chloro-3-methylphenol	0.813	0.79	mg/Kg dry	1.998	ND	40.7		30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B418195 - SW-846 3546											
Matrix Spike (B418195-MS2)	**Source: 25K1213-14RE1**			Prepared: 11/25/25 Analyzed: 11/26/25							
2-Chloronaphthalene	0.736	0.41	mg/Kg dry	1.998	ND	**36.8**	*	40-140			MS-09
2-Chlorophenol	0.783	0.41	mg/Kg dry	1.998	ND	39.2		30-130			
4-Chlorophenylphenylether	0.828	0.41	mg/Kg dry	1.998	ND	41.4		40-140			
Chrysene	0.905	0.040	mg/Kg dry	1.998	0.0945	40.6		40-140			
Dibenz(a,h)anthracene	0.874	0.040	mg/Kg dry	1.998	ND	43.7		40-140			
Dibenzofuran	0.835	0.41	mg/Kg dry	1.998	ND	41.8		40-140			
Di-n-butylphthalate	0.945	0.41	mg/Kg dry	1.998	ND	47.3		40-140			
3,3-Dichlorobenzidine	0.186	0.20	mg/Kg dry	1.998	ND	**9.30**	*	40-140			MS-09, J
2,4-Dichlorophenol	0.782	0.41	mg/Kg dry	1.998	ND	39.2		30-130			
Diethylphthalate	0.884	0.41	mg/Kg dry	1.998	ND	44.3		40-140			
2,4-Dimethylphenol	0.789	0.41	mg/Kg dry	1.998	ND	39.5		30-130			
Dimethylphthalate	0.863	0.41	mg/Kg dry	1.998	ND	43.2		40-140			
4,6-Dinitro-2-methylphenol	0.927	0.41	mg/Kg dry	1.998	ND	46.4		30-130			
2,4-Dinitrophenol	0.716	0.79	mg/Kg dry	1.998	ND	35.9		30-130			V-04, V-06, J
2,4-Dinitrotoluene	0.869	0.41	mg/Kg dry	1.998	ND	43.5		40-140			
2,6-Dinitrotoluene	0.892	0.41	mg/Kg dry	1.998	ND	44.6		40-140			
Di-n-octylphthalate	1.08	0.41	mg/Kg dry	1.998	ND	54.1		40-140			V-06
Fluoranthene	0.946	0.040	mg/Kg dry	1.998	0.167	**39.0**	*	40-140			MS-22
Fluorene	0.828	0.040	mg/Kg dry	1.998	0.00638	41.1		40-140			
Hexachlorobenzene	0.879	0.41	mg/Kg dry	1.998	ND	44.0		40-140			
Hexachlorobutadiene	0.804	0.41	mg/Kg dry	1.998	ND	40.3		40-140			
Hexachlorocyclopentadiene	0.0911	0.41	mg/Kg dry	1.998	ND	**4.56**	*	30-130			MS-09, J
Hexachloroethane	0.658	0.41	mg/Kg dry	1.998	ND	**32.9**	*	40-140			MS-09
Indeno(1,2,3-cd)pyrene	0.975	0.040	mg/Kg dry	1.998	0.0733	45.1		40-140			
Isophorone	0.941	0.41	mg/Kg dry	1.998	ND	47.1		40-140			
1-Methylnaphthalene	0.783	0.040	mg/Kg dry	1.998	0.00718	**38.8**	*	40-140			MS-22
2-Methylnaphthalene	0.720	0.040	mg/Kg dry	1.998	0.00957	**35.6**	*	40-140			MS-09
2-Methylphenol	0.811	0.41	mg/Kg dry	1.998	ND	40.6		30-130			
3/4-Methylphenol	0.832	0.41	mg/Kg dry	1.998	ND	41.6		30-130			
Naphthalene	0.785	0.040	mg/Kg dry	1.998	0.0116	**38.7**	*	40-140			MS-22
2-Nitroaniline	1.01	0.41	mg/Kg dry	1.998	ND	50.6		40-140			
3-Nitroaniline	0.649	0.41	mg/Kg dry	1.998	ND	**32.5**	*	40-140			MS-09
4-Nitroaniline	0.574	0.41	mg/Kg dry	1.998	ND	**28.7**	*	40-140			MS-09
Nitrobenzene	0.869	0.41	mg/Kg dry	1.998	ND	43.5		40-140			
2-Nitrophenol	0.819	0.41	mg/Kg dry	1.998	ND	41.0		30-130			
4-Nitrophenol	0.961	0.79	mg/Kg dry	1.998	ND	48.1		30-130			
N-Nitrosodiphenylamine/Diphenylamine	0.854	0.41	mg/Kg dry	1.998	ND	42.8		40-140			
N-Nitrosodi-n-propylamine	0.926	0.41	mg/Kg dry	1.998	ND	46.3		40-140			
Pentachlorophenol	0.655	0.41	mg/Kg dry	1.998	ND	32.8		30-130			
Phenanthrene	0.864	0.040	mg/Kg dry	1.998	0.0694	**39.8**	*	40-140			MS-22
Phenol	0.825	0.41	mg/Kg dry	1.998	ND	41.3		30-130			
Pyrene	0.881	0.040	mg/Kg dry	1.998	0.118	**38.2**	*	40-140			MS-22
Pyridine	0.527	0.41	mg/Kg dry	1.998	ND	**26.4**	*	40-140			MS-09
1,2,4,5-Tetrachlorobenzene	0.863	0.41	mg/Kg dry	1.998	ND	43.2		40-140			
2,4,5-Trichlorophenol	0.872	0.41	mg/Kg dry	1.998	ND	43.7		30-130			
2,4,6-Trichlorophenol	0.829	0.41	mg/Kg dry	1.998	ND	41.5		30-130			
Surrogate: 2-Fluorophenol	*3.30*		mg/Kg dry	7.991		41.3		30-130			
Surrogate: Phenol-d6	*3.47*		mg/Kg dry	7.991		43.4		30-130			
Surrogate: Nitrobenzene-d5	*1.72*		mg/Kg dry	3.996		42.9		30-130			
Surrogate: 2-Fluorobiphenyl	*1.75*		mg/Kg dry	3.996		43.8		30-130			
Surrogate: 2,4,6-Tribromophenol	*3.64*		mg/Kg dry	7.991		45.6		30-130			
Surrogate: p-Terphenyl-d14	*1.71*		mg/Kg dry	3.996		42.8		30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes
Batch B418195 - SW-846 3546												
Matrix Spike Dup (B418195-MSD1)	**Source: 25K1213-13RE1**			Prepared: 11/25/25 Analyzed: 11/26/25								
2,3,4,6-Tetrachlorophenol	1.22	0.79	mg/Kg dry	1.963	ND	61.9		40-140	29.9		30	
Atrazine	1.68	0.79	mg/Kg dry	1.963	ND	85.8		40-140	19.1		30	V-06
Benzaldehyde	1.05	0.40	mg/Kg dry	1.963	0.0831	49.5		40-140	19.3		30	V-05, V-34
Biphenyl	1.37	0.079	mg/Kg dry	1.963	ND	69.6		40-140	13.7		30	
Caprolactam	1.29	0.40	mg/Kg dry	1.963	ND	65.7		40-140	18.5		30	
Acenaphthene	1.28	0.039	mg/Kg dry	1.963	ND	65.1		40-140	18.1		30	
Acenaphthylene	1.39	0.039	mg/Kg dry	1.963	0.00745	70.4		40-140	15.3		30	
Acetophenone	1.21	0.40	mg/Kg dry	1.963	ND	61.4		40-140	21.6		30	
Aniline	0.680	0.40	mg/Kg dry	1.963	ND	**34.7**	*	40-140	**60.8**	*	30	R-06, V-05, V-34, MS-09
Anthracene	1.33	0.039	mg/Kg dry	1.963	0.00784	67.5		40-140	14.6		30	
Benzo(a)anthracene	1.37	0.039	mg/Kg dry	1.963	0.0490	67.5		40-140	11.2		30	
Benzo(a)pyrene	1.45	0.039	mg/Kg dry	1.963	0.0506	71.5		40-140	11.5		30	
Benzo(b)fluoranthene	1.47	0.039	mg/Kg dry	1.963	0.0780	71.1		40-140	5.58		30	
Benzo(g,h,i)perylene	1.31	0.039	mg/Kg dry	1.963	0.0431	64.7		40-140	3.69		30	
Benzo(k)fluoranthene	1.39	0.039	mg/Kg dry	1.963	0.0271	69.5		40-140	11.1		30	
Bis(2-chloroethoxy)methane	1.26	0.40	mg/Kg dry	1.963	ND	64.1		40-140	24.2		30	
Bis(2-chloroethyl)ether	1.30	0.40	mg/Kg dry	1.963	ND	66.2		40-140	28.5		30	
2,2'-oxybis(1-Chloropropane)	1.65	0.40	mg/Kg dry	1.963	ND	83.8		40-140	**32.0**	*	30	R-06
Bis(2-Ethylhexyl)phthalate	1.79	0.40	mg/Kg dry	1.963	ND	91.0		40-140	0.646		30	V-06
4-Bromophenylphenylether	1.45	0.40	mg/Kg dry	1.963	ND	73.9		40-140	14.4		30	
Butylbenzylphthalate	1.47	0.40	mg/Kg dry	1.963	ND	74.7		40-140	9.38		30	
Carbazole	1.37	0.20	mg/Kg dry	1.963	ND	69.9		40-140	16.0		30	
4-Chloroaniline	0.669	0.78	mg/Kg dry	1.963	ND	**34.1**	*	40-140	**60.2**	*	30	R-06, MS-09, J
4-Chloro-3-methylphenol	1.31	0.78	mg/Kg dry	1.963	ND	66.7		30-130	12.9		30	
2-Chloronaphthalene	1.13	0.40	mg/Kg dry	1.963	ND	57.5		40-140	12.4		30	
2-Chlorophenol	1.17	0.40	mg/Kg dry	1.963	ND	59.8		30-130	20.6		30	
4-Chlorophenylphenylether	1.41	0.40	mg/Kg dry	1.963	ND	71.9		40-140	15.7		30	
Chrysene	1.36	0.039	mg/Kg dry	1.963	0.0561	66.4		40-140	10.9		30	
Dibenz(a,h)anthracene	1.37	0.039	mg/Kg dry	1.963	ND	69.8		40-140	2.72		30	
Dibenzofuran	1.36	0.40	mg/Kg dry	1.963	ND	69.2		40-140	13.6		30	
Di-n-butylphthalate	1.53	0.40	mg/Kg dry	1.963	ND	77.7		40-140	8.06		30	
3,3-Dichlorobenzidine	0.158	0.20	mg/Kg dry	1.963	ND	**8.06**	*	40-140			30	MS-09, J
2,4-Dichlorophenol	1.26	0.40	mg/Kg dry	1.963	ND	64.4		30-130	12.2		30	
Diethylphthalate	1.46	0.40	mg/Kg dry	1.963	ND	74.2		40-140	13.4		30	
2,4-Dimethylphenol	1.32	0.40	mg/Kg dry	1.963	ND	67.2		30-130	18.6		30	
Dimethylphthalate	1.41	0.40	mg/Kg dry	1.963	ND	71.7		40-140	12.5		30	
4,6-Dinitro-2-methylphenol	1.33	0.40	mg/Kg dry	1.963	ND	67.5		30-130	**52.0**	*	30	R-06
2,4-Dinitrophenol	1.35	0.78	mg/Kg dry	1.963	ND	68.6		30-130			30	V-04, V-06
2,4-Dinitrotoluene	1.49	0.40	mg/Kg dry	1.963	ND	75.9		40-140	18.1		30	
2,6-Dinitrotoluene	1.51	0.40	mg/Kg dry	1.963	ND	77.0		40-140	18.8		30	
Di-n-octylphthalate	1.73	0.40	mg/Kg dry	1.963	ND	88.0		40-140	5.53		30	V-06
Fluoranthene	1.54	0.039	mg/Kg dry	1.963	0.0941	73.5		40-140	8.63		30	
Fluorene	1.39	0.039	mg/Kg dry	1.963	ND	70.7		40-140	13.0		30	
Hexachlorobenzene	1.51	0.40	mg/Kg dry	1.963	ND	76.8		40-140	11.5		30	
Hexachlorobutadiene	1.26	0.40	mg/Kg dry	1.963	ND	64.4		40-140	14.4		30	
Hexachlorocyclopentadiene	0.235	0.40	mg/Kg dry	1.963	ND	**12.0**	*	30-130			30	MS-09, J
Hexachloroethane	0.976	0.40	mg/Kg dry	1.963	ND	49.7		40-140	**53.7**	*	30	R-06
Indeno(1,2,3-cd)pyrene	1.43	0.039	mg/Kg dry	1.963	0.0455	70.7		40-140	2.44		30	
Isophorone	1.38	0.40	mg/Kg dry	1.963	ND	70.4		40-140	21.9		30	
1-Methylnaphthalene	1.22	0.039	mg/Kg dry	1.963	0.00549	61.8		40-140	12.0		30	
2-Methylnaphthalene	1.11	0.039	mg/Kg dry	1.963	0.00706	56.4		40-140	12.6		30	
2-Methylphenol	1.25	0.40	mg/Kg dry	1.963	ND	63.8		30-130	18.4		30	

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes
Batch B418195 - SW-846 3546												
Matrix Spike Dup (B418195-MSD1)	**Source: 25K1213-13RE1**			Prepared: 11/25/25 Analyzed: 11/26/25								
3/4-Methylphenol	1.31	0.40	mg/Kg dry	1.963	ND	66.7		30-130	17.3		30	
Naphthalene	1.21	0.039	mg/Kg dry	1.963	0.00980	61.1		40-140	19.2		30	
2-Nitroaniline	1.33	0.40	mg/Kg dry	1.963	ND	67.8		40-140	9.82		30	
3-Nitroaniline	1.37	0.40	mg/Kg dry	1.963	ND	69.9		40-140	13.1		30	
4-Nitroaniline	0.923	0.40	mg/Kg dry	1.963	ND	47.0		40-140	**37.9**	*	30	R-06
Nitrobenzene	1.21	0.40	mg/Kg dry	1.963	ND	61.7		40-140	24.4		30	
2-Nitrophenol	1.25	0.40	mg/Kg dry	1.963	ND	63.7		30-130	25.6		30	
4-Nitrophenol	1.51	0.78	mg/Kg dry	1.963	ND	76.8		30-130	13.7		30	
N-Nitrosodiphenylamine/Diphenylamine	1.33	0.40	mg/Kg dry	1.963	ND	67.7		40-140	13.8		30	
N-Nitrosodi-n-propylamine	1.29	0.40	mg/Kg dry	1.963	ND	65.6		40-140	19.4		30	
Pentachlorophenol	1.02	0.40	mg/Kg dry	1.963	ND	51.8		30-130	**37.6**	*	30	R-06
Phenanthrene	1.32	0.039	mg/Kg dry	1.963	0.0361	65.5		40-140	10.2		30	
Phenol	1.30	0.40	mg/Kg dry	1.963	ND	66.1		30-130	19.0		30	
Pyrene	1.29	0.039	mg/Kg dry	1.963	0.0698	62.0		40-140	11.7		30	
Pyridine	0.769	0.40	mg/Kg dry	1.963	ND	**39.2**	*	40-140	28.2		30	MS-09
1,2,4,5-Tetrachlorobenzene	1.38	0.40	mg/Kg dry	1.963	ND	70.3		40-140	18.3		30	
2,4,5-Trichlorophenol	1.43	0.40	mg/Kg dry	1.963	ND	72.9		30-130	16.8		30	
2,4,6-Trichlorophenol	1.26	0.40	mg/Kg dry	1.963	ND	64.0		30-130	17.1		30	
Surrogate: 2-Fluorophenol	*5.06*		mg/Kg dry	7.851		64.5		30-130				
Surrogate: Phenol-d6	*5.22*		mg/Kg dry	7.851		66.5		30-130				
Surrogate: Nitrobenzene-d5	*2.49*		mg/Kg dry	3.926		63.5		30-130				
Surrogate: 2-Fluorobiphenyl	*2.74*		mg/Kg dry	3.926		69.7		30-130				
Surrogate: 2,4,6-Tribromophenol	*6.45*		mg/Kg dry	7.851		82.2		30-130				
Surrogate: p-Terphenyl-d14	*2.85*		mg/Kg dry	3.926		72.7		30-130				
Matrix Spike Dup (B418195-MSD2)	**Source: 25K1213-14RE1**			Prepared: 11/25/25 Analyzed: 11/26/25								
2,3,4,6-Tetrachlorophenol	0.861	0.80	mg/Kg dry	1.996	ND	43.1		40-140	15.2		30	
Atrazine	1.11	0.80	mg/Kg dry	1.996	ND	55.5		40-140	22.3		30	V-06
Benzaldehyde	0.727	0.41	mg/Kg dry	1.996	ND	**36.4**	*	40-140	10.4		30	MS-09, V-34, V-05
Biphenyl	0.928	0.080	mg/Kg dry	1.996	ND	46.5		40-140	4.33		30	
Caprolactam	0.813	0.41	mg/Kg dry	1.996	ND	40.7		40-140	8.71		30	
Acenaphthene	0.871	0.040	mg/Kg dry	1.996	ND	43.6		40-140	7.85		30	
Acenaphthylene	0.956	0.040	mg/Kg dry	1.996	0.0171	47.0		40-140	7.74		30	
Acetophenone	0.732	0.41	mg/Kg dry	1.996	ND	**36.6**	*	40-140	10.7		30	MS-22
Aniline	0.402	0.41	mg/Kg dry	1.996	ND	**20.2**	*	40-140	20.7		30	V-34, MS-09, V-05, J
Anthracene	0.883	0.040	mg/Kg dry	1.996	0.0167	43.4		40-140	7.78		30	
Benzo(a)anthracene	0.969	0.040	mg/Kg dry	1.996	0.0733	44.9		40-140	6.31		30	
Benzo(a)pyrene	0.999	0.040	mg/Kg dry	1.996	0.0817	45.9		40-140	6.58		30	
Benzo(b)fluoranthene	1.03	0.040	mg/Kg dry	1.996	0.116	45.7		40-140	4.54		30	
Benzo(g,h,i)perylene	0.908	0.040	mg/Kg dry	1.996	0.0718	41.9		40-140	1.71		30	
Benzo(k)fluoranthene	0.944	0.040	mg/Kg dry	1.996	0.0415	45.2		40-140	9.65		30	
Bis(2-chloroethoxy)methane	0.801	0.41	mg/Kg dry	1.996	ND	40.1		40-140	2.38		30	
Bis(2-chloroethyl)ether	0.857	0.41	mg/Kg dry	1.996	ND	42.9		40-140	4.22		30	
2,2'-oxybis(1-Chloropropane)	0.781	0.41	mg/Kg dry	1.996	ND	**39.1**	*	40-140	**36.9**	*	30	MS-23
Bis(2-Ethylhexyl)phthalate	2.15	0.41	mg/Kg dry	1.996	ND	108		40-140	**60.1**	*	30	R-06, V-06
4-Bromophenylphenylether	0.906	0.41	mg/Kg dry	1.996	ND	45.4		40-140	5.32		30	
Butylbenzylphthalate	1.01	0.41	mg/Kg dry	1.996	ND	50.8		40-140	4.61		30	
Carbazole	0.971	0.20	mg/Kg dry	1.996	ND	48.6		40-140	16.4		30	
4-Chloroaniline	0.492	0.79	mg/Kg dry	1.996	ND	**24.7**	*	40-140	20.0		30	MS-09, J
4-Chloro-3-methylphenol	0.856	0.79	mg/Kg dry	1.996	ND	42.9		30-130	5.10		30	
2-Chloronaphthalene	0.768	0.41	mg/Kg dry	1.996	ND	**38.5**	*	40-140	4.29		30	MS-09

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B418195 - SW-846 3546											
Matrix Spike Dup (B418195-MSD2)	**Source: 25K1213-14RE1**			Prepared: 11/25/25 Analyzed: 11/26/25							
2-Chlorophenol	0.795	0.41	mg/Kg dry	1.996	ND	39.8		30-130	1.50	30	
4-Chlorophenylphenylether	0.910	0.41	mg/Kg dry	1.996	ND	45.6		40-140	9.45	30	
Chrysene	0.940	0.040	mg/Kg dry	1.996	0.0945	42.3		40-140	3.83	30	
Dibenz(a,h)anthracene	0.937	0.040	mg/Kg dry	1.996	ND	46.9		40-140	6.99	30	
Dibenzofuran	0.915	0.41	mg/Kg dry	1.996	ND	45.8		40-140	9.20	30	
Di-n-butylphthalate	1.07	0.41	mg/Kg dry	1.996	ND	53.6		40-140	12.4	30	
3,3-Dichlorobenzidine	0.160	0.20	mg/Kg dry	1.996	ND	**8.00**	*	40-140	15.1	30	MS-09, J
2,4-Dichlorophenol	0.876	0.41	mg/Kg dry	1.996	ND	43.9		30-130	11.3	30	
Diethylphthalate	0.936	0.41	mg/Kg dry	1.996	ND	46.9		40-140	5.68	30	
2,4-Dimethylphenol	0.838	0.41	mg/Kg dry	1.996	ND	42.0		30-130	6.07	30	
Dimethylphthalate	0.909	0.41	mg/Kg dry	1.996	ND	45.5		40-140	5.21	30	
4,6-Dinitro-2-methylphenol	0.971	0.41	mg/Kg dry	1.996	ND	48.6		30-130	4.69	30	
2,4-Dinitrophenol	0.844	0.79	mg/Kg dry	1.996	ND	42.3		30-130	16.4	30	V-06, V-04
2,4-Dinitrotoluene	0.987	0.41	mg/Kg dry	1.996	ND	49.4		40-140	12.7	30	
2,6-Dinitrotoluene	0.992	0.41	mg/Kg dry	1.996	ND	49.7		40-140	10.7	30	
Di-n-octylphthalate	1.09	0.41	mg/Kg dry	1.996	ND	54.6		40-140	1.00	30	V-06
Fluoranthene	1.14	0.040	mg/Kg dry	1.996	0.167	48.6		40-140	18.3	30	
Fluorene	0.929	0.040	mg/Kg dry	1.996	0.00638	46.2		40-140	11.5	30	
Hexachlorobenzene	0.983	0.41	mg/Kg dry	1.996	ND	49.2		40-140	11.1	30	
Hexachlorobutadiene	0.887	0.41	mg/Kg dry	1.996	ND	44.4		40-140	9.76	30	
Hexachlorocyclopentadiene	0.0487	0.41	mg/Kg dry	1.996	ND	**2.44**	*	30-130		30	MS-09, J
Hexachloroethane	0.580	0.41	mg/Kg dry	1.996	ND	**29.1**	*	40-140	12.5	30	MS-09
Indeno(1,2,3-cd)pyrene	1.01	0.040	mg/Kg dry	1.996	0.0733	46.9		40-140	3.64	30	
Isophorone	0.882	0.41	mg/Kg dry	1.996	ND	44.2		40-140	6.46	30	
1-Methylnaphthalene	0.837	0.040	mg/Kg dry	1.996	0.00718	41.5		40-140	6.59	30	
2-Methylnaphthalene	0.785	0.040	mg/Kg dry	1.996	0.00957	**38.8**	*	40-140	8.58	30	MS-09
2-Methylphenol	0.723	0.41	mg/Kg dry	1.996	ND	36.2		30-130	11.5	30	
3/4-Methylphenol	0.766	0.41	mg/Kg dry	1.996	ND	38.4		30-130	8.21	30	
Naphthalene	0.847	0.040	mg/Kg dry	1.996	0.0116	41.8		40-140	7.62	30	
2-Nitroaniline	0.881	0.41	mg/Kg dry	1.996	ND	44.1		40-140	13.7	30	
3-Nitroaniline	0.724	0.41	mg/Kg dry	1.996	ND	**36.3**	*	40-140	10.9	30	MS-09
4-Nitroaniline	0.642	0.41	mg/Kg dry	1.996	ND	**32.2**	*	40-140	11.2	30	MS-09
Nitrobenzene	0.819	0.41	mg/Kg dry	1.996	ND	41.0		40-140	6.03	30	
2-Nitrophenol	0.907	0.41	mg/Kg dry	1.996	ND	45.4		30-130	10.3	30	
4-Nitrophenol	1.05	0.79	mg/Kg dry	1.996	ND	52.5		30-130	8.60	30	
N-Nitrosodiphenylamine/Diphenylamine	0.869	0.41	mg/Kg dry	1.996	ND	43.5		40-140	1.74	30	
N-Nitrosodi-n-propylamine	0.730	0.41	mg/Kg dry	1.996	ND	**36.6**	*	40-140	23.6	30	MS-22
Pentachlorophenol	0.676	0.41	mg/Kg dry	1.996	ND	33.9		30-130	3.17	30	
Phenanthrene	0.910	0.040	mg/Kg dry	1.996	0.0694	42.1		40-140	5.25	30	
Phenol	0.858	0.41	mg/Kg dry	1.996	ND	43.0		30-130	3.97	30	
Pyrene	0.922	0.040	mg/Kg dry	1.996	0.118	40.3		40-140	4.54	30	
Pyridine	0.578	0.41	mg/Kg dry	1.996	ND	**29.0**	*	40-140	9.33	30	MS-09
1,2,4,5-Tetrachlorobenzene	0.921	0.41	mg/Kg dry	1.996	ND	46.1		40-140	6.47	30	
2,4,5-Trichlorophenol	0.965	0.41	mg/Kg dry	1.996	ND	48.3		30-130	10.1	30	
2,4,6-Trichlorophenol	0.888	0.41	mg/Kg dry	1.996	ND	44.5		30-130	6.86	30	
Surrogate: 2-Fluorophenol	*3.49*		mg/Kg dry	7.986		43.7		30-130			
Surrogate: Phenol-d6	*3.49*		mg/Kg dry	7.986		43.7		30-130			
Surrogate: Nitrobenzene-d5	*1.63*		mg/Kg dry	3.993		40.8		30-130			
Surrogate: 2-Fluorobiphenyl	*1.84*		mg/Kg dry	3.993		46.1		30-130			
Surrogate: 2,4,6-Tribromophenol	*4.29*		mg/Kg dry	7.986		53.8		30-130			
Surrogate: p-Terphenyl-d14	*1.85*		mg/Kg dry	3.993		46.3		30-130			

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B417935 - % Solids										
Duplicate (B417935-DUP1)	**Source: 25K1213-13**			Prepared & Analyzed: 11/20/25						
% Solids	83.5		% Wt		83.7			0.281	10	
Duplicate (B417935-DUP2)	**Source: 25K1213-14**			Prepared & Analyzed: 11/20/25						
% Solids	81.6		% Wt		83.2			2.01	10	

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QUALITY CONTROL

Total Metals - Mansfield Lab - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch WG2146078 - EPA 7471B										
Blank (WG2146078-1)				Prepared & Analyzed: 11/25/25						
Mercury, Total	0.056	0.083	mg/kg				-			Ja
LCS (WG2146078-2)				Prepared & Analyzed: 11/25/25						
Mercury, Total	1.62	.0833	mg/kg	1.67		97	80-120			
Batch WG2146092 - EPA 3050B										
Blank (WG2146092-1)				Prepared: 11/25/25 Analyzed: 11/28/25						
Aluminum, Total	ND	4.00	mg/kg				-			
Antimony, Total	ND	2.00	mg/kg				-			
Arsenic, Total	ND	0.400	mg/kg				-			
Barium, Total	ND	0.400	mg/kg				-			
Beryllium, Total	ND	0.200	mg/kg				-			
Boron, Total	ND	1.20	mg/kg				-			
Cadmium, Total	ND	0.400	mg/kg				-			
Calcium, Total	ND	4.00	mg/kg				-			
Chromium, Total	ND	0.400	mg/kg				-			
Cobalt, Total	ND	0.800	mg/kg				-			
Copper, Total	ND	0.400	mg/kg				-			
Iron, Total	0.608	2.00	mg/kg				-			Ja
Lead, Total	ND	2.00	mg/kg				-			
Magnesium, Total	ND	4.00	mg/kg				-			
Manganese, Total	ND	0.400	mg/kg				-			
Nickel, Total	ND	1.00	mg/kg				-			
Potassium, Total	ND	100	mg/kg				-			
Selenium, Total	ND	0.800	mg/kg				-			
Silver, Total	ND	0.200	mg/kg				-			
Sodium, Total	ND	80.0	mg/kg				-			
Thallium, Total	ND	0.800	mg/kg				-			
Vanadium, Total	ND	0.400	mg/kg				-			
Zinc, Total	ND	2.00	mg/kg				-			
LCS (WG2146092-2)				Prepared: 11/25/25 Analyzed: 11/28/25						
Aluminum, Total	170	2.6	mg/kg	160		106	80-120			
Antimony, Total	41.4	3.08	mg/kg	40		104	80-120			
Arsenic, Total	9.80	.346	mg/kg	9.6		102	80-120			
Barium, Total	168	.0848	mg/kg	160		105	80-120			
Beryllium, Total	4.26	.044	mg/kg	4		106	80-120			
Boron, Total	79.6	.462	mg/kg	80		100	80-120			
Cadmium, Total	4.43	.044	mg/kg	4.24		104	80-120			
Calcium, Total	819	4.54	mg/kg	800		102	80-120			
Chromium, Total	16.9	.678	mg/kg	16		106	80-120			
Cobalt, Total	41.4	.198	mg/kg	40		104	80-120			
Copper, Total	21.3	.182	mg/kg	20		106	80-120			
Iron, Total	84.5	.84	mg/kg	80		106	80-120			
Lead, Total	43.1	.19	mg/kg	42.4		102	80-120			
Magnesium, Total	808	1.3	mg/kg	800		101	80-120			
Manganese, Total	41.9	.429	mg/kg	40		105	80-120			
Nickel, Total	41.9	.646	mg/kg	40		105	80-120			
Potassium, Total	824	40.6	mg/kg	800		103	80-120			
Selenium, Total	9.70	.263	mg/kg	9.6		101	80-120			
Silver, Total	4.12	.238	mg/kg	4		103	80-120			
Sodium, Total	838	84.8	mg/kg	800		105	80-120			

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QUALITY CONTROL

Total Metals - Mansfield Lab - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes
Batch WG2146092 - EPA 3050B												
LCS (WG2146092-2)				Prepared: 11/25/25 Analyzed: 11/28/25								
Thallium, Total	9.83	.722	mg/kg	9.6		102		80-120				
Vanadium, Total	43.0	.121	mg/kg	40		108		80-120				
Zinc, Total	41.9	.485	mg/kg	40		105		80-120				
Matrix Spike (WG2146092-3)	**Source: B-2 (0-2IN)**			Prepared: 11/25/25 Analyzed: 11/28/25								
Aluminum, Total	6480	9.04	mg/kg	181	5900	**321**	*	75-125				Q
Antimony, Total	21.0	4.52	mg/kg	45.2	0	**46**	*	75-125				Q
Arsenic, Total	16.9	.904	mg/kg	10.8	7.28	89		75-125				
Barium, Total	268	.904	mg/kg	181	78.2	105		75-125				
Beryllium, Total	5.24	.452	mg/kg	4.52	.423	116		75-125				
Boron, Total	91.5	2.71	mg/kg	90.4	7.11	93		75-125				
Cadmium, Total	5.76	.904	mg/kg	4.79	.819	120		75-125				
Calcium, Total	4750	9.04	mg/kg	904	2960	**198**	*	75-125				Q
Chromium, Total	27.9	.904	mg/kg	18.1	8.77	106		75-125				
Cobalt, Total	54.0	1.81	mg/kg	45.2	8.07	102		75-125				
Copper, Total	40.7	.904	mg/kg	22.6	15.7	110		75-125				
Iron, Total	14600	4.52	mg/kg	90.4	13800	**884**	*	75-125				Q
Lead, Total	118	4.52	mg/kg	47.9	68.1	104		75-125				
Magnesium, Total	3280	9.04	mg/kg	904	2230	116		75-125				
Manganese, Total	530	.904	mg/kg	45.2	458	**159**	*	75-125				Q
Nickel, Total	62.8	2.26	mg/kg	45.2	15.7	104		75-125				
Potassium, Total	1460	226	mg/kg	904	640	91		75-125				
Selenium, Total	11.2	1.81	mg/kg	10.8	.533	103		75-125				
Silver, Total	4.80	.452	mg/kg	4.52	0	106		75-125				
Sodium, Total	964	181	mg/kg	904	0	106		75-125				
Thallium, Total	10.4	1.81	mg/kg	10.8	0	96		75-125				
Vanadium, Total	56.8	.904	mg/kg	45.2	8.31	107		75-125				
Zinc, Total	130	4.52	mg/kg	45.2	79.4	112		75-125				
Matrix Spike Dup (WG2146092-4)	**Source: B-2 (0-2IN)**			Prepared: 11/25/25 Analyzed: 11/28/25								
Aluminum, Total	6490	9	mg/kg	180	5900	**328**	*	75-125	0		20	Q
Antimony, Total	20.3	4.5	mg/kg	45	0	**45**	*	75-125	3		20	Q
Arsenic, Total	16.9	.9	mg/kg	10.8	7.28	89		75-125	0		20	
Barium, Total	265	.9	mg/kg	180	78.2	104		75-125	1		20	
Beryllium, Total	5.17	.45	mg/kg	4.5	.423	115		75-125	1		20	
Boron, Total	90.8	2.7	mg/kg	90	7.11	93		75-125	1		20	
Cadmium, Total	5.67	.9	mg/kg	4.77	.819	119		75-125	2		20	
Calcium, Total	6540	9	mg/kg	900	2960	**398**	*	75-125	**32**	*	20	Q
Chromium, Total	28.4	.9	mg/kg	18	8.77	109		75-125	2		20	
Cobalt, Total	53.1	1.8	mg/kg	45	8.07	100		75-125	2		20	
Copper, Total	40.4	.9	mg/kg	22.5	15.7	110		75-125	1		20	
Iron, Total	14400	4.5	mg/kg	90	13800	**667**	*	75-125	1		20	Q
Lead, Total	117	4.5	mg/kg	47.7	68.1	102		75-125	1		20	
Magnesium, Total	3250	9	mg/kg	900	2230	113		75-125	1		20	
Manganese, Total	521	.9	mg/kg	45	458	**140**	*	75-125	2		20	Q
Nickel, Total	67.0	2.25	mg/kg	45	15.7	114		75-125	6		20	
Potassium, Total	1470	225	mg/kg	900	640	92		75-125	1		20	
Selenium, Total	10.8	1.8	mg/kg	10.8	.533	100		75-125	4		20	
Silver, Total	4.79	.45	mg/kg	4.5	0	106		75-125	0		20	
Sodium, Total	961	180	mg/kg	900	0	107		75-125	0		20	
Thallium, Total	10.5	1.8	mg/kg	10.8	0	97		75-125	1		20	
Vanadium, Total	56.1	.9	mg/kg	45	8.31	106		75-125	1		20	
Zinc, Total	129	4.5	mg/kg	45	79.4	110		75-125	1		20	

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QUALITY CONTROL

Total Metals - Mansfield Lab - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch WG2146092 - EPA 3050B											
Matrix Spike (WG2146092-7)	**Source: B-2 (2-12IN)**			Prepared: 11/25/25 Analyzed: 11/28/25							
Aluminum, Total	7080	9.35	mg/kg	187	6790	**155**	*	75-125			Q
Antimony, Total	20.0	4.67	mg/kg	46.7	0	**43**	*	75-125			Q
Arsenic, Total	18.0	.935	mg/kg	11.2	7.82	91		75-125			
Barium, Total	278	.935	mg/kg	187	87.3	102		75-125			
Beryllium, Total	5.36	.467	mg/kg	4.67	.479	104		75-125			
Boron, Total	92.9	2.8	mg/kg	93.5	6.5	92		75-125			
Cadmium, Total	5.93	.935	mg/kg	4.95	.907	120		75-125			
Calcium, Total	4480	9.35	mg/kg	935	3610	93		75-125			
Chromium, Total	29.2	.935	mg/kg	18.7	10.1	102		75-125			
Cobalt, Total	55.8	1.87	mg/kg	46.7	9.25	100		75-125			
Copper, Total	42.6	.935	mg/kg	23.4	17.8	106		75-125			
Iron, Total	15700	4.67	mg/kg	93.5	15600	107		75-125			
Lead, Total	127	4.67	mg/kg	49.5	74.5	106		75-125			
Magnesium, Total	3500	9.35	mg/kg	935	2580	98		75-125			
Manganese, Total	564	.935	mg/kg	46.7	522	90		75-125			
Nickel, Total	65.3	2.34	mg/kg	46.7	18.2	101		75-125			
Potassium, Total	1480	234	mg/kg	935	635	90		75-125			
Selenium, Total	11.2	1.87	mg/kg	11.2	.444	100		75-125			
Silver, Total	4.95	.467	mg/kg	4.67	0	106		75-125			
Sodium, Total	989	187	mg/kg	935	0	106		75-125			
Thallium, Total	10.9	1.87	mg/kg	11.2	0	97		75-125			
Vanadium, Total	58.6	.935	mg/kg	46.7	9.5	105		75-125			
Zinc, Total	138	4.67	mg/kg	46.7	90.3	102		75-125			
Matrix Spike Dup (WG2146092-8)	**Source: B-2 (2-12IN)**			Prepared: 11/25/25 Analyzed: 11/28/25							
Aluminum, Total	7140	9.3	mg/kg	186	6790	**188**	*	75-125	1	20	Q
Antimony, Total	21.0	4.65	mg/kg	46.5	0	**45**	*	75-125	5	20	Q
Arsenic, Total	17.3	.93	mg/kg	11.2	7.82	85		75-125	4	20	
Barium, Total	277	.93	mg/kg	186	87.3	102		75-125	0	20	
Beryllium, Total	5.30	.465	mg/kg	4.65	.479	104		75-125	1	20	
Boron, Total	91.7	2.79	mg/kg	93	6.5	92		75-125	1	20	
Cadmium, Total	5.89	.93	mg/kg	4.93	.907	120		75-125	1	20	
Calcium, Total	4660	9.3	mg/kg	930	3610	113		75-125	4	20	
Chromium, Total	29.0	.93	mg/kg	18.6	10.1	102		75-125	1	20	
Cobalt, Total	55.5	1.86	mg/kg	46.5	9.25	100		75-125	1	20	
Copper, Total	43.0	.93	mg/kg	23.2	17.8	108		75-125	1	20	
Iron, Total	15600	4.65	mg/kg	93	15600	**0**	*	75-125	1	20	Q
Lead, Total	131	4.65	mg/kg	49.3	74.5	115		75-125	3	20	
Magnesium, Total	3510	9.3	mg/kg	930	2580	100		75-125	0	20	
Manganese, Total	574	.93	mg/kg	46.5	522	112		75-125	2	20	
Nickel, Total	64.9	2.32	mg/kg	46.5	18.2	100		75-125	1	20	
Potassium, Total	1490	232	mg/kg	930	635	92		75-125	1	20	
Selenium, Total	11.0	1.86	mg/kg	11.2	.444	99		75-125	2	20	
Silver, Total	4.93	.465	mg/kg	4.65	0	106		75-125	0	20	
Sodium, Total	984	186	mg/kg	930	0	106		75-125	1	20	
Thallium, Total	11.1	1.86	mg/kg	11.2	0	100		75-125	2	20	
Vanadium, Total	58.3	.93	mg/kg	46.5	9.5	105		75-125	1	20	
Zinc, Total	138	4.65	mg/kg	46.5	90.3	103		75-125	0	20	

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QUALITY CONTROL

Total Metals - Mansfield Lab - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch WG2146094 - EPA 7471B										
Blank (WG2146094-1)				Prepared: 11/25/25 Analyzed: 11/26/25						
Mercury, Total	ND	0.083	mg/kg				-			
LCS (WG2146094-2)				Prepared: 11/25/25 Analyzed: 11/26/25						
Mercury, Total	1.60	.0833	mg/kg	1.67		96	80-120			
Matrix Spike (WG2146094-3)	**Source: B-2 (0-2IN)**			Prepared: 11/25/25 Analyzed: 11/26/25						
Mercury, Total	1.60	.078	mg/kg	1.56	.0986	96	80-120			
Matrix Spike Dup (WG2146094-4)	**Source: B-2 (0-2IN)**			Prepared: 11/25/25 Analyzed: 11/26/25						
Mercury, Total	1.61	.0784	mg/kg	1.57	.0986	96	80-120	1	20	
Matrix Spike (WG2146094-5)	**Source: B-2 (2-12IN)**			Prepared: 11/25/25 Analyzed: 11/26/25						
Mercury, Total	1.77	.0837	mg/kg	1.67	.101	100	80-120			
Matrix Spike Dup (WG2146094-6)	**Source: B-2 (2-12IN)**			Prepared: 11/25/25 Analyzed: 11/26/25						
Mercury, Total	1.51	.0763	mg/kg	1.52	.101	92	80-120	16	20	
Batch WG2146097 - EPA 3050B										
Blank (WG2146097-1)				Prepared: 11/25/25 Analyzed: 11/26/25						
Aluminum, Total	ND	4.00	mg/kg				-			
Antimony, Total	ND	2.00	mg/kg				-			
Arsenic, Total	ND	0.400	mg/kg				-			
Barium, Total	ND	0.400	mg/kg				-			
Beryllium, Total	ND	0.200	mg/kg				-			
Boron, Total	ND	1.20	mg/kg				-			
Cadmium, Total	ND	0.400	mg/kg				-			
Calcium, Total	ND	4.00	mg/kg				-			
Chromium, Total	ND	0.400	mg/kg				-			
Cobalt, Total	ND	0.800	mg/kg				-			
Copper, Total	ND	0.400	mg/kg				-			
Iron, Total	0.508	2.00	mg/kg				-			Ja
Lead, Total	ND	2.00	mg/kg				-			
Magnesium, Total	ND	4.00	mg/kg				-			
Manganese, Total	ND	0.400	mg/kg				-			
Nickel, Total	ND	1.00	mg/kg				-			
Potassium, Total	ND	100	mg/kg				-			
Selenium, Total	ND	0.800	mg/kg				-			
Silver, Total	ND	0.200	mg/kg				-			
Sodium, Total	ND	80.0	mg/kg				-			
Thallium, Total	ND	0.800	mg/kg				-			
Vanadium, Total	ND	0.400	mg/kg				-			
Zinc, Total	ND	2.00	mg/kg				-			

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QUALITY CONTROL

Total Metals - Mansfield Lab - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch WG2146097 - EPA 3050B										
LCS (WG2146097-2)				Prepared: 11/25/25 Analyzed: 11/26/25						
Aluminum, Total	147	2.6	mg/kg	160		92	80-120			
Antimony, Total	37.9	3.08	mg/kg	40		95	80-120			
Arsenic, Total	9.05	.346	mg/kg	9.6		94	80-120			
Barium, Total	143	.0848	mg/kg	160		89	80-120			
Beryllium, Total	3.65	.044	mg/kg	4		91	80-120			
Boron, Total	76.5	.462	mg/kg	80		96	80-120			
Cadmium, Total	3.93	.044	mg/kg	4.24		93	80-120			
Calcium, Total	793	4.54	mg/kg	800		99	80-120			
Chromium, Total	14.1	.678	mg/kg	16		88	80-120			
Cobalt, Total	35.0	.198	mg/kg	40		88	80-120			
Copper, Total	18.0	.182	mg/kg	20		90	80-120			
Iron, Total	72.0	.84	mg/kg	80		90	80-120			
Lead, Total	41.0	.19	mg/kg	42.4		97	80-120			
Magnesium, Total	763	1.3	mg/kg	800		95	80-120			
Manganese, Total	36.0	.429	mg/kg	40		90	80-120			
Nickel, Total	35.8	.646	mg/kg	40		90	80-120			
Potassium, Total	819	40.6	mg/kg	800		102	80-120			
Selenium, Total	9.29	.263	mg/kg	9.6		97	80-120			
Silver, Total	3.53	.238	mg/kg	4		88	80-120			
Sodium, Total	797	84.8	mg/kg	800		100	80-120			
Thallium, Total	9.52	.722	mg/kg	9.6		99	80-120			
Vanadium, Total	36.4	.121	mg/kg	40		91	80-120			
Zinc, Total	35.2	.485	mg/kg	40		88	80-120			

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
Ja	Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Id
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
MS-09	Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-22	Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.
MS-23	Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is outside of the method specified criteria. Reduced precision anticipated for any reported result for this compound.
Q	The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spi
R-06	Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.
S-07	One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.
V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.
V-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Soil	
Atrazine	ME,NC
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Acetophenone	NY,NH,ME,NC,VA
Aniline	NY,NH,ME,NC,VA
Anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA
Bis(2-chloroethoxy)methane	CT,NY,NH,ME,NC,VA
Bis(2-chloroethyl)ether	CT,NY,NH,ME,NC,VA
2,2'-oxybis(1-Chloropropane)	CT,NY,NH,ME,NC,VA
Bis(2-Ethylhexyl)phthalate	CT,NY,NH,ME,NC,VA
4-Bromophenylphenylether	CT,NY,NH,ME,NC,VA
Butylbenzylphthalate	CT,NY,NH,ME,NC,VA
Carbazole	NC
4-Chloroaniline	CT,NY,NH,ME,NC,VA
4-Chloro-3-methylphenol	CT,NY,NH,ME,NC,VA
2-Chloronaphthalene	CT,NY,NH,NC,VA
2-Chlorophenol	CT,NY,NH,ME,NC,VA
4-Chlorophenylphenylether	CT,NY,NH,ME,NC,VA
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Dibenzofuran	CT,NY,NH,ME,NC,VA
Di-n-butylphthalate	CT,NY,NH,ME,NC,VA
3,3-Dichlorobenzidine	CT,NY,NH,ME,NC,VA
2,4-Dichlorophenol	CT,NY,NH,ME,NC,VA
Diethylphthalate	CT,NY,NH,ME,NC,VA
2,4-Dimethylphenol	CT,NY,NH,ME,NC,VA
Dimethylphthalate	CT,NY,NH,ME,NC,VA
4,6-Dinitro-2-methylphenol	CT,NY,NH,ME,NC,VA
2,4-Dinitrophenol	CT,NY,NH,ME,NC,VA
2,4-Dinitrotoluene	CT,NY,NH,ME,NC,VA
2,6-Dinitrotoluene	CT,NY,NH,ME,NC,VA
Di-n-octylphthalate	CT,NY,NH,ME,NC,VA
Fluoranthene	CT,NY,NH,ME,NC,VA
Fluorene	NY,NH,ME,NC,VA
Hexachlorobenzene	CT,NY,NH,ME,NC,VA
Hexachlorobutadiene	CT,NY,NH,ME,NC,VA
Hexachlorocyclopentadiene	CT,NY,NH,ME,NC,VA
Hexachloroethane	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
Isophorone	CT,NY,NH,ME,NC,VA
1-Methylnaphthalene	NC
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Soil	
2-Methylphenol	CT,NY,NH,ME,NC,VA
3/4-Methylphenol	CT,NY,NH,ME,NC,VA
Naphthalene	CT,NY,NH,ME,NC,VA
2-Nitroaniline	CT,NY,NH,ME,NC,VA
3-Nitroaniline	CT,NY,NH,ME,NC,VA
4-Nitroaniline	CT,NY,NH,ME,NC,VA
Nitrobenzene	CT,NY,NH,ME,NC,VA
2-Nitrophenol	CT,NY,NH,ME,NC,VA
4-Nitrophenol	CT,NY,NH,ME,NC,VA
N-Nitrosodi-n-propylamine	CT,NY,NH,ME,NC,VA
Pentachlorophenol	CT,NY,NH,ME,NC,VA
Phenanthrene	CT,NY,NH,ME,NC,VA
Phenol	CT,NY,NH,ME,NC,VA
Pyrene	CT,NY,NH,ME,NC,VA
Pyridine	CT,NY,NH,ME,NC,VA
1,2,4,5-Tetrachlorobenzene	NY,NC
2,4,5-Trichlorophenol	CT,NY,NH,ME,NC,VA
2,4,6-Trichlorophenol	CT,NY,NH,ME,NC,VA
2-Fluorophenol	NC
SW-846 8270E in Water	
Acenaphthene	CT,NY,NC,ME,NH,VA
Acenaphthylene	CT,NY,NC,ME,NH,VA
Acetophenone	NY,NC
Aniline	CT,NY,NC,ME,VA
Anthracene	CT,NY,NC,ME,NH,VA
Benzo(a)anthracene	CT,NY,NC,ME,NH,VA
Benzo(a)pyrene	CT,NY,NC,ME,NH,VA
Benzo(b)fluoranthene	CT,NY,NC,ME,NH,VA
Benzo(g,h,i)perylene	CT,NY,NC,ME,NH,VA
Benzo(k)fluoranthene	CT,NY,NC,ME,NH,VA
Bis(2-chloroethoxy)methane	CT,NY,NC,ME,NH,VA
Bis(2-chloroethyl)ether	CT,NY,NC,ME,NH,VA
2,2'-oxybis(1-Chloropropane)	CT,NY,NC,ME,NH,VA
Bis(2-Ethylhexyl)phthalate	CT,NY,NC,ME,NH,VA
4-Bromophenylphenylether	CT,NY,NC,ME,NH,VA
Butylbenzylphthalate	CT,NY,NC,ME,NH,VA
Carbazole	NC
4-Chloroaniline	CT,NY,NC,ME,NH,VA
4-Chloro-3-methylphenol	CT,NY,NC,ME,NH,VA
2-Chloronaphthalene	CT,NY,NC,ME,NH,VA
2-Chlorophenol	CT,NY,NC,ME,NH,VA
4-Chlorophenylphenylether	CT,NY,NC,ME,NH,VA
Chrysene	CT,NY,NC,ME,NH,VA
Dibenz(a,h)anthracene	CT,NY,NC,ME,NH,VA
Dibenzofuran	CT,NY,NC,ME,NH,VA
Di-n-butylphthalate	CT,NY,NC,ME,NH,VA

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Water	
3,3-Dichlorobenzidine	CT,NY,NC,ME,NH,VA
2,4-Dichlorophenol	CT,NY,NC,ME,NH,VA
Diethylphthalate	CT,NY,NC,ME,NH,VA
2,4-Dimethylphenol	CT,NY,NC,ME,NH,VA
Dimethylphthalate	CT,NY,NC,ME,NH,VA
4,6-Dinitro-2-methylphenol	CT,NY,NC,ME,NH,VA
2,4-Dinitrophenol	CT,NY,NC,ME,NH,VA
2,4-Dinitrotoluene	CT,NY,NC,ME,NH,VA
2,6-Dinitrotoluene	CT,NY,NC,ME,NH,VA
Di-n-octylphthalate	CT,NY,NC,ME,NH,VA
Fluoranthene	CT,NY,NC,ME,NH,VA
Fluorene	NY,NC,ME,NH,VA
Hexachlorobenzene	CT,NY,NC,ME,NH,VA
Hexachlorobutadiene	CT,NY,NC,ME,NH,VA
Hexachlorocyclopentadiene	CT,NY,NC,ME,NH,VA
Hexachloroethane	CT,NY,NC,ME,NH,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NC,ME,NH,VA
Isophorone	CT,NY,NC,ME,NH,VA
1-Methylnaphthalene	NC
2-Methylnaphthalene	CT,NY,NC,ME,NH,VA
2-Methylphenol	CT,NY,NC,NH,VA
3/4-Methylphenol	CT,NY,NC,NH,VA
Naphthalene	CT,NY,NC,ME,NH,VA
2-Nitroaniline	CT,NY,NC,ME,NH,VA
3-Nitroaniline	CT,NY,NC,ME,NH,VA
4-Nitroaniline	CT,NY,NC,ME,NH,VA
Nitrobenzene	CT,NY,NC,ME,NH,VA
2-Nitrophenol	CT,NY,NC,ME,NH,VA
4-Nitrophenol	CT,NY,NC,ME,NH,VA
N-Nitrosodi-n-propylamine	CT,NY,NC,ME,NH,VA
Pentachlorophenol	CT,NY,NC,ME,NH,VA
Phenanthrene	CT,NY,NC,ME,NH,VA
Phenol	CT,NY,NC,ME,NH,VA
Pyrene	CT,NY,NC,ME,NH,VA
Pyridine	CT,NY,NC,ME,NH,VA
1,2,4,5-Tetrachlorobenzene	NY,NC
2,4,5-Trichlorophenol	CT,NY,NC,ME,NH,VA
2,4,6-Trichlorophenol	CT,NY,NC,ME,NH,VA
2-Fluorophenol	NC

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Pace Analytical Services, LLC - East Longmeadow, Ma, operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2026
NY	New York State Department of Health	10899 NELAP	04/1/2026
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2026
NC	North Carolina Div. of Water Quality	652	12/31/2025
ME	State of Maine	MA00100	06/9/2027
VA	Commonwealth of Virginia	460217	12/14/2025

Pace Analytical®

Phone: 413-525-2332
39 Spruce St
East Longmeadow, MA 01028

https://www.pacelabs.com/

CHAIN OF CUSTODY RECORD (New York)

Doc # 380 Rev 1_03242017

25k1213

(36)

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Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name: NYS DEC | Consultant: AKRF Associates Inc.
Consultant Address: 1 Fairchild Sq. Clifton Park NY
Consultant Phone: 516-377-7101
Callout Project Name: Cowlum Fire Department
Project Location: 1 Fairchild Sq - Downing Boulevard, Cornwall, NY
Callout Number: 183572
Site/Spill Number: 851050
Project Manager: Mark Wright
Pace Analytical Quote Name/Number: See Callout #
Invoice Recipient: NYSDEC, Thomas.Giannuzzi@dec.ny.gov
Sampled By: John Germain

Requested Turnaround Time
DEC Standard 30-calendar day ☐
Due Date: RUSH 5 DAY

Rush (Prior Approval Required)
1-Day ☐ 2-Day ☐ 3-Day ☑ 4-Day ☐ 5-Day ☑ 10-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other: Cat B/NYSDEC Equis EDD
CLP Like (Level 4) Data Pkg Required: ☐
Email To: mark.wright@akrpassociates.com; John.germain@akrpassociates.com
Fax To #:

ANALYSIS REQUESTED (Circle Requested Analyses/Reporting List)

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	8260: DER TCL / Oxygenates / CP-51	8270: DER TCL / CP-51	1,4-Dioxane SIM | 8082 PCBs	8081 Pesticide | 8151 Herbicide	TAL Total Metals | TCLP RCRA 8 Metals	PFAS 1633 | PFAS 537 ID	Total Solids	# of Containers	Preservation Code	Container Code
1	C-2 (0-2in)	11.17.25	1310		X	S	U		1			1		1	6	I	G
2	C-2 (2-17in)	11.17.25	1315		X	S	U		1			1		1	6	I	G
3	C-3 (0-2in)	11.17.25	1400		X	S	U		1			1		1	6	I	G
4	C-3 (2-12in)	11.17.25	1405		X	S	U		1			1		1	6	I	G
5	C-4 (0-2in) (30)	11.18.25	0950		X	S			1			1		1	6	I	G
6	C-4 (2-17in) (30)	11.18.25	0955		X	S			1			1		1	6	I	G
	—	11.17.25			X	S											
	—	11.17.25 (30)			X	S											
	—	11.17.25			X	S											
	—	11.17.25			X	S											

Comments:
- also send results to thomas.giannuzzi@dec.ny.gov - RUSH T.A.T. (5DAY)
- For TAL metal analysis, also run for mercury and boron
- All sample dates on this C.o.C are 11.17.25 or 11.18.25 (C-4)

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Relinquished by: (signature) John Germain AKRP	Date/Time: 11/19/2025	12:25
Received by: (signature) Jocelyn Tracy (PACE)	Date/Time: 11/19/25	11:25
Relinquished by: (signature) Jocelyn Tracy (PACE)	Date/Time: 11/19/25	11:25
Received by: (signature) Buffalo Service Center	Date/Time: 11/19/25	11:25
Relinquished by: (signature) Russell B. Bixby	Date/Time: 11-17-25	16:31
Received by: (signature)	Date/Time: 11/20	1:55

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☑ NY Unrestricted Use
☐ NY Part 375

Deliverables
☐ Enhanced Data Package
☑ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD

Other: NELAC and AIHA-LAP, LLC Accredited

Project Entity
☒ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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Pace Analytical®

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39 Spruce St
East Longmeadow, MA 01028

https://www.pacelabs.com/

Doc # 380 Rev 1_03242017

CHAIN OF CUSTODY RECORD (New York)

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name: NYS DEC | Consultant: HRP Associates Inc.
Consultant Address: Pawling, NY Saratoga, Clifton Park NY
Consultant Phone: 518-877-7101
Callout Project Name: Corning Fire Department
Project Location: 2 Corning Ballward, Corning, NY
Callout Number: 153822
Site/Spill Number: 851050
Project Manager: Mark Wright
Pace Analytical Quote Name/Number: See Callout
Invoice Recipient: NYSDEC
Sampled By: John Boorman

Requested Turnaround Time
DEC Standard 30-calendar day ☐
Due Date: RUSH 5 DAY

Rush (Prior Approval Required)
1-Day ☐ 2-Day ☐ 3-Day ☐
4-Day ☐ 5-Day ☑ 10-Day ☐

Data Delivery
Format: PDF ☐ EXCEL ☑
Other: NYSDEC EQuIS EDD Cat B
CLP Like (Level 4) Data Pkg Required: ☐
Email To: Mark.wright@hrpassociates.com
John.boorman@hrpassociates.com
Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	8260: DER TCL / Oxygenates / CP-51	8270: DER TCL / CP-51	1,4-Dioxane SIM	8082 PCBs	8081 Pesticide	8151 Herbicide	TAL Total Metals	TCLP RCRA 8 Metals	PFAS 1633	PFAS 537 ID	Total Solids						# of Containers	Preservation Code	Container Code
									14					14				14						14		
									I					I				I						I		
									G					G				P						P		
7	E-1 (0-2 in)	11.17.25	1010		X	S	U		1					1				1						1		
8	E-1 (2-12 in)	11.17.25	1030		X	S	U		1					1				1						1		
9	C-1 (0-2 in)	11.17.25	1125		X	S	U		1					1				1						1		
10	C-1 (2-12 in)	11.17.25	1130		X	S	U		1					1				1						1		
11	B-1 (0-2 in)	11.17.25	1145		X	S	U		1					1				1						1		
12	B-1 (2-12 in)	11.17.25	1150		X	S	U		1					1				1						1		
13	B-2 (0-2 in)	11.17.25	1235		X	S	U		3					3				3						3		
14	B-2 (2-12 in)	11.17.25	1240		X	S	U		3					3				3						3		
15	Dup-1	—	—		X	S	U		1					1				1						1		
16	Dup-2	—	—		X	S	U		1					1				1						1		

ANALYSIS REQUESTED (Circle Requested Analyses/Reporting List)

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

Comments:
See C.o.C notes P.1

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

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X = Sodium Hydroxide
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[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

	Date/Time:
Relinquished by: (signature) John Boorman HRP	11/19/2025 11:25
Received by: (signature) Loreen Tracy (PACE)	11/19/25 11:25
Relinquished by: (signature) Loreen Tracy (PACE)	11/19/25 11:25
Received by: (signature) UPS Pace Service Center	11/19/25 11:25
Relinquished by: (signature) Russell B Bishop	11/19/25 16:31
Received by: (signature)	11/20 1:30

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☒ NY Unrestricted Use
☐ NY Part 375

Deliverables
☐ Enhanced Data Package
☑ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD

Other:
NELAC and AIHA-LAP, LLC Accredited

Other:

Project Entity
☒ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

Table of Contents

ENV-FRM-ELON-0001 v09_Sample Receiving Checklist

Log In Back-Sheet

Client HRP Associates INC.
Project Corning Fire Department
MCP/RCP Required N/A
Deliverable Package Requirement CAT B
Location 2 Corning Boulevard, Corning NY
PWSID# (When Applicable) N/A
Arrival Method:
Courier ☑ Fed Ex ☐ Walk In ☐ Other ☐
Received By / Date / Time RL / 11.20.25 / 0345
Back-Sheet By / Date / Time RL / 11.20.25 / 1223
Temperature Method gun # 7
WV samples: Yes (see note*) / (No) (follow normal procedure)
Temp < 6° C Actual Temperature 0.6, 0 (BY) 1.1, 1.4
Rush Samples: (Yes) / No Notify Teams
Short Hold: Yes / (No) Notify

Notes regarding Samples/COC outside of SOP:

MS/MSD volume sent for samples #13 and 14, MS/MSD not requested on COC

Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy)
Any False statement will be brought to the attention of the Client – True or False

	True	False
Received on Ice	☑	☐
Received in Cooler	☑	☐
Custody Seal: DATE TIME	☐	☑
COC Relinquished	☑	☐
COC/Samples Labels Agree	☑	☐
All Samples in Good Condition	☑	☐
Samples Received within Holding Time	☑	☐
Is there enough Volume	☑	☐
Proper Media/Container Used	☑	☐
Splitting Samples Required	☐	☑
MS/MSD	☐	☑
Trip Blanks	☐	☑
Lab to Filters	☐	☑
COC Legible	☑	☐

COC Included: (Check all included)
Client ☑ Analysis ☑ Sampler Name ☑
Project ☑ IDs ☑ Collection Date/Time ☑

All Samples Proper pH:	(N/A)	☐	☐
Samples Chlorinated:	(N/A)	☐	☐

Additional Container Notes

Note: West Virginia requires all samples to have their temperature taken. Note any outliers.

	Soils				Ambers Glass								Plastics															Vials									Other
	16 (oz)	8 (oz)	4 (oz)	2 (oz)	1L			250mL				100 (mL)	Other	1L		500mL		250mL							125 (mL)	80 (mL)	Encore		8oz	Other			VOA 40mL							20mL		
	C / A	C / A	C (A)	C (A)	Unp.	HCl	H_2SO_4	Unp.	Phos.	HCl	H_2SO_4	Unp.	8oz-BR	Unp.	H_2SO_4	Unp.	H_2SO_4	Unp.	Triz	H_2SO_4	HNO_3	Amm. Ace	NaOH	NaOH+ZnAce	Unp.	Unp.	25g	5g	Unp.	Bag	Bac/ Col	Unp.	HCl	MeOH	DI	$NaHSO_4$	$H_2S_0_4$	Asc. Acid	Unp.	HCl	
1			i	1																						i													
2																																							
3																																							
4																																							
5																																							
6																																							
7																																							
8																																							
9																																							
10																																							
11			4	4																						4													
12			i	1																						1													
13			3	3																						3													
14			3	3																						3													
15			1	1																						i													
16			1	1																						1													
17																																							
18																																							
19																																							
20																																							

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East Longmeadow, MA 01028

https://www.pacelabs.com/

CHAIN OF CUSTODY RECORD (New York)

Doc # 380 Rev 1_03242017

25K1213

Page 1 of 46 (36)

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name: NYS DEC | Consultant: HRP Associates Inc.
Consultant Address: 1 Fairfield Sq. Clifton Park NY
Consultant Phone: 518-877-7160
Callout Project Name: Corning Fire Department
Project Location: ~~Fairfield St~~ 26 Denning Boulevard, Corning, NY
Callout Number: 183572
Site/Spill Number: 851050
Project Manager: Marc Wright
Pace Analytical Quote Name/Number: See callout #
Invoice Recipient: NYSDEC, thoren.giannuzzi@dec.ny.gov
Sampled By: John Gorman

Requested Turnaround Time
DEC Standard 30-calendar day ☐
Due Date: RUSH 5 DAY

Rush (Prior Approval Required)
1-Day ☐ 2-Day ☐ 3-Day ☑
4-Day ☐ 5-Day ☑ 10-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other: Cat B/NYSDEC EQuIS EDD
CLP Like (Level 4) Data Pkg Required: ☐
Email To: marc.wright@hrpassociates.com; John.gorman@hrpassociates.com
Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	8260: DER TCL / Oxygenates / CP-51	8270: DER TCL / CP-51	1,4-Dioxane SIM | 8082 PCBs	8081 Pesticide | 8151 Herbicide	TAL Total Metals | TCLP RCRA 8 Metals	PFAS 1633 | PFAS 537 ID	Total Solids					# of Containers	[2] Preservation Code	[3] Container Code
1	C-2 (0-2in)	11.17.25	1310		X	S	U		1			1		1					1	6	P
2	C-2 (2-12in)	11.17.25	1315		X	S	U		1			1		1					1	6	P
3	C-3 (0-2in)	11.17.25	1400		X	S	U		1			1		1					1	6	P
4	C-3 (2-12in)	11.17.25	1405		X	S	U		1			1		1					1	6	P
5	E-4 (0-2in) (36)	11.18.25	0950		X	S			1			1		1					1	6	P
6	E-4 (2-12in) (36)	11.18.25	0955		X	S			1			1		1					1	6	P
		11.17.25			X	S															
		11.17.25 (36)			X	S															
		11.17.25			X	S															
		11.17.25			X	S															

ANALYSIS REQUESTED (Circle Requested Analyses/Reporting List)

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:
- also send results to thoren.giannuzzi@dec.ny.gov - RUSH T.A.T. (5DAY)
- For TAL metal analysis, also run for mercury and boron
- All sample dates on this COC are 11.17.25 or 11.18.25 (E-4)

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
John Gorman HRP	11/19/2025 11:25
Received by: (signature) Jocelyn Tracy (PACE)	Date/Time: 11/19/25 11:25
Relinquished by: (signature) Jocelyn Tracy (PACE)	Date/Time: 11/19/25 11:25
Received by: (signature) Buffalo Service Center	Date/Time: 11/19/25 11:25
Relinquished by: (signature) Russell B Bixby	Date/Time: 11-19-25 16:31
Received by: (signature)	Date/Time: 11/20 1:00

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☑ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☐ Enhanced Data Package
☑ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:
NELAC and AIHA-LAP, LLC Accredited

Project Entity
☑ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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East Longmeadow, MA 01028

https://www.pacelabs.com/

Doc # 380 Rev 1_03242017

CHAIN OF CUSTODY RECORD (New York)

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name: NYS DEC	Consultant: HRP Associates Inc.
Consultant Address:	Fairchild Square, Clifton Park NY
Consultant Phone:	518-877-7101
Callout Project Name:	Corning Fire Department
Project Location:	Corning Boulevard, Corning, NY
Callout Number:	153822
Site/Spill Number:	851050
Project Manager:	Mary Wright
Pace Analytical Quote Name/Number:	See Callout
Invoice Recipient:	NYSDEC
Sampled By:	John Boorman

Requested Turnaround Time
DEC Standard 30-calendar day ☐
Due Date: 5 DAY

Rush (Prior Approval Required)
1-Day ☐ 2-Day ☐ 3-Day ☑
4-Day ☐ 5-Day ☑ 10-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other: NYSPEL EQuIS EDD CatB
CLP Like (Level 4) Data Pkg Required: ☐
Email To: Mary.Wright@hrpassociates.com
John.Boorman@hrpassociates.com
Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	8260: DER TCL / Oxygenates / CP-51	8270: DER TCL / CP-51	1,4-Dioxane SIM	8082 PCBs	8081 Pesticide	8151 Herbicide	TAL Total Metals	TCLP RCRA 8 Metals	PFAS 1633	PFAS 537 ID	Total Solids							
									I					I			I	G							
7	E-1 (0-2 in)	11.17.25	1010		X	S	U		1					1			1								
8	E-1 (2-12 in)	11.17.25	1030		X	S	U		1					1			1								
9	C-1 (0-2 in)	11.17.25	1125		X	S	U		1					1			1								
10	C-1 (2-12 in)	11.17.25	1130		X	S	U		1					1			1								
11	B-1 (0-2 in)	11.17.25	1145		X	S	U		1					1			1								
12	B-1 (2-12 in)	11.17.25	1150		X	S	U		1					1			1								
13	B-2 (0-2 in)	11.17.25	1235		X	S	U		3					3			3								
14	B-2 (2-12 in)	11.17.25	1240		X	S	U		3					3			3								
15	DUP-1	—	—		X	S	U		1					1			1								
16	DUP-2	—	—		X	S	U		1					1			1								

ANALYSIS REQUESTED (Circle Requested Analyses/Reporting List)

# of Containers	[2] Preservation Code	[3] Container Code
14	14	14
I	I	I
G	G	P

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

Comments:
See C.O.C notes P.1

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

	Date/Time:
Relinquished by: (signature) John Boorman HRP	11/19/2025 11:25
Received by: (signature) Joseph Foley (PACE)	11/19/25 11:25
Relinquished by: (signature) Joseph Foley (PACE)	11/19/25 11:25
Received by: (signature) FedEx Service Center	11/19/25 11:25
Relinquished by: (signature) Russell B Bishop	11-19-25 16:31
Received by: (signature)	11/20 1:30

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☒ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☐ Enhanced Data Package
☑ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:

NELAC and AIHA-LAP, LLC Accredited

Project Entity
☒ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

ENV-FRM-ELON-0001 v09_Sample Receiving Checklist

Log In Back-Sheet

Client HRP Associates INC.
Project Corning Fire Department
MCP/RCP Required N/A
Deliverable Package Requirement CAT B
Location 2 Corning Boulevard, Corning NY
PWSID# (When Applicable) N/A
Arrival Method:
Courier ☑ Fed Ex ☐ Walk In ☐ Other ☐
Received By / Date / Time RL / 11.20.25 / 0345
Back-Sheet By / Date / Time RL / 11.20.25 / 1223
Temperature Method gun # 7
WV samples: Yes (see note*) / (No) (follow normal procedure)
Temp < 6° C Actual Temperature 0.6, 0.9, 1.1 (RV) 1.1, 1.4
Rush Samples: (Yes) / No Notify Teams
Short Hold: Yes / (No) Notify

Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy)
Any False statement will be brought to the attention of the Client – True or False

	True	False
Received on Ice	☑	☐
Received in Cooler	☑	☐
Custody Seal: DATE TIME	☐	☑
COC Relinquished	☑	☐
COC/Samples Labels Agree	☑	☐
All Samples in Good Condition	☑	☐
Samples Received within Holding Time	☑	☐
Is there enough Volume	☑	☐
Proper Media/Container Used	☑	☐
Splitting Samples Required	☐	☑
MS/MSD	☑	☑ (RL)
Trip Blanks	☐	☑
Lab to Filters	☐	☑
COC Legible	☑	☐

COC Included: (Check all included)
Client ☑ Analysis ☑ Sampler Name ☑
Project ☑ IDs ☑ Collection Date/Time ☑

All Samples Proper pH:	(N/A)	☐	☐
Samples Chlorinated:	(N/A)	☐	☐

Notes regarding Samples/COC outside of SOP:
MS/MSD volume sent for samples #13 and 14. MS/MSD not requested on COC

Additional Container Notes

Note: West Virginia requires all samples to have their temperature taken. Note any outliers.

	Soils				Ambers Glass								Plastics															Vials									Other
	16 (oz)	8 (oz)	4 (oz)	2 (oz)	1L			250mL				100 (mL)	Other	1L		500mL		250mL								125 (mL)	80 (mL)	Encore		8oz	Other		VOA 40mL							20mL		
	C / A	C / A	C (A)	C (A)	Unp.	HCl	H_2SO_4	Unp.	Phos.	HCl	H_2SO_4	Unp.	8oz-BR	Unp.	H_2SO_4	Unp.	H_2SO_4	Unp.	Triz	H_2SO_4	HNO_3	Amm. Ace	NaOH	NaOH+ZnAce	Unp.	Unp.	25g	5g	Unp.	Bag	Bac/ Col	Unp.	HCl	MeOH	DI	$NaHSO_4$	H_2SO_4	Asc. Acid	Unp.	HCl	
1			1	1																						1													
2																																							
3																																							
4																																							
5																																							
6																																							
7																																							
8																																							
9																																							
10																																							
11			4	4																						4													
12			1	1																						1													
13			3	3																						3													
14			3	3																						3													
15			1	1																						1													
16			1	1																						1													
17																																							
18																																							
19																																							
20																																							

ANALYTICAL REPORT

Lab Number:	L2574898
Client:	Pace New England 39 Spruce St. East Longmeadow, MA 01028
ATTN:	Raymond McCarthy
Phone:	(413) 525-2332
Project Name:	25K1213
Project Number:	25K1213
Report Date:	12/01/25

The original project report/data package is held by Pace Analytical Services. This report/data package is paginated and should be reproduced only in its entirety. Pace Analytical Services holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Project Name: 25K1213
Project Number: 25K1213

Lab Number: L2574898
Report Date: 12/01/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2574898-01	C-2 (0-2IN)	SOIL	Not Specified	11/17/25 13:10	11/21/25
L2574898-02	C-2 (2-12IN)	SOIL	Not Specified	11/17/25 13:15	11/21/25
L2574898-03	C-3 (0-2IN)	SOIL	Not Specified	11/17/25 14:00	11/21/25
L2574898-04	C-3 (2-12IN)	SOIL	Not Specified	11/17/25 14:05	11/21/25
L2574898-05	E-4 (0-2IN)	SOIL	Not Specified	11/17/25 09:50	11/21/25
L2574898-06	E-4 (2-12IN)	SOIL	Not Specified	11/17/25 09:55	11/21/25
L2574898-07	E-1 (0-2IN)	SOIL	Not Specified	11/17/25 10:10	11/21/25
L2574898-08	E-1 (2-12IN)	SOIL	Not Specified	11/17/25 10:30	11/21/25
L2574898-09	C-1 (0-2IN)	SOIL	Not Specified	11/17/25 11:25	11/21/25
L2574898-10	C-1 (2-12IN)	SOIL	Not Specified	11/17/25 11:30	11/21/25
L2574898-11	B-1 (0-2IN)	SOIL	Not Specified	11/17/25 11:45	11/21/25
L2574898-12	B-1 (2-12IN)	SOIL	Not Specified	11/17/25 11:50	11/21/25
L2574898-13	B-2 (0-2IN)	SOIL	Not Specified	11/17/25 12:35	11/21/25
L2574898-14	B-2 (2-12IN)	SOIL	Not Specified	11/17/25 12:40	11/21/25
L2574898-15	DUP-1	SOIL	Not Specified	11/17/25 00:00	11/21/25
L2574898-16	DUP-2	SOIL	Not Specified	11/17/25 00:00	11/21/25

Project Name:	25K1213	**Lab Number:**	L2574898
Project Number:	25K1213	**Report Date:**	12/01/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 25K1213 **Lab Number:** L2574898
Project Number: 25K1213 **Report Date:** 12/01/25

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Total Metals

L2574898-01 through -16: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

The WG2146092-3/-4 MS/MSD recoveries performed on L2574898-13 are outside the acceptance criteria for antimony (46%/45%) and calcium (198%/398%). A post digestion spike was performed and was within acceptance criteria.

The WG2146092-3/-4 MS/MSDrecoveries performed on L2574898-13 do not apply for aluminum (321%/328%), iron (884%/667%) and manganese (159%/140%) because the sample concentrations are greater than four times the spike amounts added.

The WG2146092-4 Laboratory Duplicate RPD performed on L2574898-13 is outside the acceptance criteria for calcium (32%) due to the non-homogeneous nature of the native sample.

The WG2146092-7/-8 MS/MSD recoveries performed on L2574898-14 do not apply for aluminum (155%/188%) and iron (MSD 0%) because the sample concentration is greater than four times the spike amount added.

The WG2146092-7/-8 MS/MSD recoveries performed on L2574898-14 are outside the acceptance criteria for antimony (43%/45%). A post digestion spike was performed and was within acceptance criteria.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Caitlin Walukevich Caitlin Walukevich

Title: Technical Director/Representative Date: 12/01/25

METALS

Project Name: 25K1213 **Lab Number:** L2574898

Project Number: 25K1213 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2574898-01 Date Collected: 11/17/25 13:10

Client ID: C-2 (0-2IN) Date Received: 11/21/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6250		mg/kg	9.78	3.18	2	11/25/25 02:47	11/28/25 07:52	EPA 3050B	1,6010D	LRS
Antimony, Total	ND		mg/kg	4.89	3.76	2	11/25/25 02:47	11/28/25 07:52	EPA 3050B	1,6010D	LRS
Arsenic, Total	5.20		mg/kg	0.978	0.422	2	11/25/25 02:47	11/28/25 07:52	EPA 3050B	1,6010D	LRS
Barium, Total	84.3		mg/kg	0.978	0.104	2	11/25/25 02:47	11/28/25 07:52	EPA 3050B	1,6010D	LRS
Beryllium, Total	0.354	J	mg/kg	0.489	0.054	2	11/25/25 02:47	11/28/25 07:52	EPA 3050B	1,6010D	LRS
Boron, Total	1.97	J	mg/kg	2.93	0.564	2	11/25/25 02:47	11/28/25 07:52	EPA 3050B	1,6010D	LRS
Cadmium, Total	0.300	J	mg/kg	0.978	0.054	2	11/25/25 02:47	11/28/25 07:52	EPA 3050B	1,6010D	LRS
Calcium, Total	1480		mg/kg	9.78	5.54	2	11/25/25 02:47	11/28/25 07:52	EPA 3050B	1,6010D	LRS
Chromium, Total	8.46		mg/kg	0.978	0.829	2	11/25/25 02:47	11/28/25 07:52	EPA 3050B	1,6010D	LRS
Cobalt, Total	7.11		mg/kg	1.96	0.242	2	11/25/25 02:47	11/28/25 07:52	EPA 3050B	1,6010D	LRS
Copper, Total	12.2		mg/kg	0.978	0.222	2	11/25/25 02:47	11/28/25 07:52	EPA 3050B	1,6010D	LRS
Iron, Total	14200		mg/kg	4.89	1.03	2	11/25/25 02:47	11/28/25 07:52	EPA 3050B	1,6010D	LRS
Lead, Total	28.9		mg/kg	4.89	0.233	2	11/25/25 02:47	11/28/25 07:52	EPA 3050B	1,6010D	LRS
Magnesium, Total	2050		mg/kg	9.78	1.59	2	11/25/25 02:47	11/28/25 07:52	EPA 3050B	1,6010D	LRS
Manganese, Total	406		mg/kg	0.978	0.524	2	11/25/25 02:47	11/28/25 07:52	EPA 3050B	1,6010D	LRS
Mercury, Total	ND		mg/kg	0.088	0.057	1	11/25/25 03:18	11/26/25 12:44	EPA 7471B	1,7471B	CME
Nickel, Total	14.4		mg/kg	2.44	0.790	2	11/25/25 02:47	11/28/25 07:52	EPA 3050B	1,6010D	LRS
Potassium, Total	580		mg/kg	244	49.6	2	11/25/25 02:47	11/28/25 07:52	EPA 3050B	1,6010D	LRS
Selenium, Total	ND		mg/kg	1.96	0.322	2	11/25/25 02:47	11/28/25 07:52	EPA 3050B	1,6010D	LRS
Silver, Total	ND		mg/kg	0.489	0.291	2	11/25/25 02:47	11/28/25 07:52	EPA 3050B	1,6010D	LRS
Sodium, Total	ND		mg/kg	196	104.	2	11/25/25 02:47	11/28/25 07:52	EPA 3050B	1,6010D	LRS
Thallium, Total	ND		mg/kg	1.96	0.882	2	11/25/25 02:47	11/28/25 07:52	EPA 3050B	1,6010D	LRS
Vanadium, Total	8.60		mg/kg	0.978	0.148	2	11/25/25 02:47	11/28/25 07:52	EPA 3050B	1,6010D	LRS
Zinc, Total	54.9		mg/kg	4.89	0.592	2	11/25/25 02:47	11/28/25 07:52	EPA 3050B	1,6010D	LRS

Project Name: 25K1213 **Lab Number:** L2574898

Project Number: 25K1213 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2574898-02 Date Collected: 11/17/25 13:15

Client ID: C-2 (2-12IN) Date Received: 11/21/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6220		mg/kg	9.33	3.03	2	11/25/25 02:47	11/28/25 07:54	EPA 3050B	1,6010D	LRS
Antimony, Total	ND		mg/kg	4.66	3.59	2	11/25/25 02:47	11/28/25 07:54	EPA 3050B	1,6010D	LRS
Arsenic, Total	5.07		mg/kg	0.933	0.403	2	11/25/25 02:47	11/28/25 07:54	EPA 3050B	1,6010D	LRS
Barium, Total	84.9		mg/kg	0.933	0.099	2	11/25/25 02:47	11/28/25 07:54	EPA 3050B	1,6010D	LRS
Beryllium, Total	0.351	J	mg/kg	0.466	0.051	2	11/25/25 02:47	11/28/25 07:54	EPA 3050B	1,6010D	LRS
Boron, Total	1.59	J	mg/kg	2.80	0.538	2	11/25/25 02:47	11/28/25 07:54	EPA 3050B	1,6010D	LRS
Cadmium, Total	0.300	J	mg/kg	0.933	0.051	2	11/25/25 02:47	11/28/25 07:54	EPA 3050B	1,6010D	LRS
Calcium, Total	1370		mg/kg	9.33	5.29	2	11/25/25 02:47	11/28/25 07:54	EPA 3050B	1,6010D	LRS
Chromium, Total	8.52		mg/kg	0.933	0.791	2	11/25/25 02:47	11/28/25 07:54	EPA 3050B	1,6010D	LRS
Cobalt, Total	7.20		mg/kg	1.87	0.231	2	11/25/25 02:47	11/28/25 07:54	EPA 3050B	1,6010D	LRS
Copper, Total	12.2		mg/kg	0.933	0.212	2	11/25/25 02:47	11/28/25 07:54	EPA 3050B	1,6010D	LRS
Iron, Total	14200		mg/kg	4.66	0.980	2	11/25/25 02:47	11/28/25 07:54	EPA 3050B	1,6010D	LRS
Lead, Total	28.3		mg/kg	4.66	0.222	2	11/25/25 02:47	11/28/25 07:54	EPA 3050B	1,6010D	LRS
Magnesium, Total	2040		mg/kg	9.33	1.52	2	11/25/25 02:47	11/28/25 07:54	EPA 3050B	1,6010D	LRS
Manganese, Total	423		mg/kg	0.933	0.500	2	11/25/25 02:47	11/28/25 07:54	EPA 3050B	1,6010D	LRS
Mercury, Total	ND		mg/kg	0.078	0.051	1	11/25/25 03:18	11/26/25 12:47	EPA 7471B	1,7471B	CME
Nickel, Total	14.6		mg/kg	2.33	0.754	2	11/25/25 02:47	11/28/25 07:54	EPA 3050B	1,6010D	LRS
Potassium, Total	479		mg/kg	233	47.3	2	11/25/25 02:47	11/28/25 07:54	EPA 3050B	1,6010D	LRS
Selenium, Total	0.323	J	mg/kg	1.87	0.307	2	11/25/25 02:47	11/28/25 07:54	EPA 3050B	1,6010D	LRS
Silver, Total	ND		mg/kg	0.466	0.278	2	11/25/25 02:47	11/28/25 07:54	EPA 3050B	1,6010D	LRS
Sodium, Total	ND		mg/kg	187	98.9	2	11/25/25 02:47	11/28/25 07:54	EPA 3050B	1,6010D	LRS
Thallium, Total	ND		mg/kg	1.87	0.842	2	11/25/25 02:47	11/28/25 07:54	EPA 3050B	1,6010D	LRS
Vanadium, Total	8.59		mg/kg	0.933	0.141	2	11/25/25 02:47	11/28/25 07:54	EPA 3050B	1,6010D	LRS
Zinc, Total	54.6		mg/kg	4.66	0.566	2	11/25/25 02:47	11/28/25 07:54	EPA 3050B	1,6010D	LRS

Project Name: 25K1213 **Lab Number:** L2574898120

Project Number: 25K1213 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2574898-03 Date Collected: 11/17/25 14:00

Client ID: C-3 (0-2IN) Date Received: 11/21/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6330		mg/kg	10.4	3.38	2	11/25/25 02:47	11/28/25 08:16	EPA 3050B	1,6010D	LRS
Antimony, Total	ND		mg/kg	5.20	4.00	2	11/25/25 02:47	11/28/25 08:16	EPA 3050B	1,6010D	LRS
Arsenic, Total	5.84		mg/kg	1.04	0.449	2	11/25/25 02:47	11/28/25 08:16	EPA 3050B	1,6010D	LRS
Barium, Total	84.8		mg/kg	1.04	0.110	2	11/25/25 02:47	11/28/25 08:16	EPA 3050B	1,6010D	LRS
Beryllium, Total	0.351	J	mg/kg	0.520	0.057	2	11/25/25 02:47	11/28/25 08:16	EPA 3050B	1,6010D	LRS
Boron, Total	3.45		mg/kg	3.12	0.600	2	11/25/25 02:47	11/28/25 08:16	EPA 3050B	1,6010D	LRS
Cadmium, Total	0.288	J	mg/kg	1.04	0.057	2	11/25/25 02:47	11/28/25 08:16	EPA 3050B	1,6010D	LRS
Calcium, Total	5180		mg/kg	10.4	5.90	2	11/25/25 02:47	11/28/25 08:16	EPA 3050B	1,6010D	LRS
Chromium, Total	10.0		mg/kg	1.04	0.882	2	11/25/25 02:47	11/28/25 08:16	EPA 3050B	1,6010D	LRS
Cobalt, Total	6.69		mg/kg	2.08	0.258	2	11/25/25 02:47	11/28/25 08:16	EPA 3050B	1,6010D	LRS
Copper, Total	16.5		mg/kg	1.04	0.236	2	11/25/25 02:47	11/28/25 08:16	EPA 3050B	1,6010D	LRS
Iron, Total	16100		mg/kg	5.20	1.09	2	11/25/25 02:47	11/28/25 08:16	EPA 3050B	1,6010D	LRS
Lead, Total	13.7		mg/kg	5.20	0.247	2	11/25/25 02:47	11/28/25 08:16	EPA 3050B	1,6010D	LRS
Magnesium, Total	3010		mg/kg	10.4	1.69	2	11/25/25 02:47	11/28/25 08:16	EPA 3050B	1,6010D	LRS
Manganese, Total	450		mg/kg	1.04	0.557	2	11/25/25 02:47	11/28/25 08:16	EPA 3050B	1,6010D	LRS
Mercury, Total	ND		mg/kg	0.092	0.060	1	11/25/25 03:18	11/26/25 12:50	EPA 7471B	1,7471B	CME
Nickel, Total	13.6		mg/kg	2.60	0.840	2	11/25/25 02:47	11/28/25 08:16	EPA 3050B	1,6010D	LRS
Potassium, Total	591		mg/kg	260	52.7	2	11/25/25 02:47	11/28/25 08:16	EPA 3050B	1,6010D	LRS
Selenium, Total	ND		mg/kg	2.08	0.342	2	11/25/25 02:47	11/28/25 08:16	EPA 3050B	1,6010D	LRS
Silver, Total	ND		mg/kg	0.520	0.310	2	11/25/25 02:47	11/28/25 08:16	EPA 3050B	1,6010D	LRS
Sodium, Total	738		mg/kg	208	110.	2	11/25/25 02:47	11/28/25 08:16	EPA 3050B	1,6010D	LRS
Thallium, Total	ND		mg/kg	2.08	0.938	2	11/25/25 02:47	11/28/25 08:16	EPA 3050B	1,6010D	LRS
Vanadium, Total	9.28		mg/kg	1.04	0.157	2	11/25/25 02:47	11/28/25 08:16	EPA 3050B	1,6010D	LRS
Zinc, Total	57.0		mg/kg	5.20	0.630	2	11/25/25 02:47	11/28/25 08:16	EPA 3050B	1,6010D	LRS

Project Name: 25K1213 **Lab Number:** L2574898121

Project Number: 25K1213 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2574898-04 Date Collected: 11/17/25 14:05

Client ID: C-3 (2-12IN) Date Received: 11/21/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	9630		mg/kg	9.04	2.94	2	11/25/25 02:47	11/28/25 08:18	EPA 3050B	1,6010D	LRS
Antimony, Total	ND		mg/kg	4.52	3.48	2	11/25/25 02:47	11/28/25 08:18	EPA 3050B	1,6010D	LRS
Arsenic, Total	5.91		mg/kg	0.904	0.391	2	11/25/25 02:47	11/28/25 08:18	EPA 3050B	1,6010D	LRS
Barium, Total	129		mg/kg	0.904	0.096	2	11/25/25 02:47	11/28/25 08:18	EPA 3050B	1,6010D	LRS
Beryllium, Total	0.503		mg/kg	0.452	0.050	2	11/25/25 02:47	11/28/25 08:18	EPA 3050B	1,6010D	LRS
Boron, Total	1.54	J	mg/kg	2.71	0.522	2	11/25/25 02:47	11/28/25 08:18	EPA 3050B	1,6010D	LRS
Cadmium, Total	0.204	J	mg/kg	0.904	0.050	2	11/25/25 02:47	11/28/25 08:18	EPA 3050B	1,6010D	LRS
Calcium, Total	3560		mg/kg	9.04	5.13	2	11/25/25 02:47	11/28/25 08:18	EPA 3050B	1,6010D	LRS
Chromium, Total	12.6		mg/kg	0.904	0.767	2	11/25/25 02:47	11/28/25 08:18	EPA 3050B	1,6010D	LRS
Cobalt, Total	9.58		mg/kg	1.81	0.224	2	11/25/25 02:47	11/28/25 08:18	EPA 3050B	1,6010D	LRS
Copper, Total	13.8		mg/kg	0.904	0.205	2	11/25/25 02:47	11/28/25 08:18	EPA 3050B	1,6010D	LRS
Iron, Total	21300		mg/kg	4.52	0.950	2	11/25/25 02:47	11/28/25 08:18	EPA 3050B	1,6010D	LRS
Lead, Total	8.92		mg/kg	4.52	0.215	2	11/25/25 02:47	11/28/25 08:18	EPA 3050B	1,6010D	LRS
Magnesium, Total	3470		mg/kg	9.04	1.47	2	11/25/25 02:47	11/28/25 08:18	EPA 3050B	1,6010D	LRS
Manganese, Total	463		mg/kg	0.904	0.485	2	11/25/25 02:47	11/28/25 08:18	EPA 3050B	1,6010D	LRS
Mercury, Total	ND		mg/kg	0.073	0.048	1	11/25/25 03:18	11/26/25 12:54	EPA 7471B	1,7471B	CME
Nickel, Total	19.0		mg/kg	2.26	0.731	2	11/25/25 02:47	11/28/25 08:18	EPA 3050B	1,6010D	LRS
Potassium, Total	667		mg/kg	226	45.9	2	11/25/25 02:47	11/28/25 08:18	EPA 3050B	1,6010D	LRS
Selenium, Total	ND		mg/kg	1.81	0.298	2	11/25/25 02:47	11/28/25 08:18	EPA 3050B	1,6010D	LRS
Silver, Total	ND		mg/kg	0.452	0.270	2	11/25/25 02:47	11/28/25 08:18	EPA 3050B	1,6010D	LRS
Sodium, Total	669		mg/kg	181	95.9	2	11/25/25 02:47	11/28/25 08:18	EPA 3050B	1,6010D	LRS
Thallium, Total	ND		mg/kg	1.81	0.816	2	11/25/25 02:47	11/28/25 08:18	EPA 3050B	1,6010D	LRS
Vanadium, Total	15.3		mg/kg	0.904	0.136	2	11/25/25 02:47	11/28/25 08:18	EPA 3050B	1,6010D	LRS
Zinc, Total	52.1		mg/kg	4.52	0.548	2	11/25/25 02:47	11/28/25 08:18	EPA 3050B	1,6010D	LRS

Project Name: 25K1213 **Lab Number:** L2574898

Project Number: 25K1213 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2574898-05 Date Collected: 11/17/25 09:50
Client ID: E-4 (0-2IN) Date Received: 11/21/25
Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	9370		mg/kg	9.90	3.22	2	11/25/25 02:47	11/28/25 08:20	EPA 3050B	1,6010D	LRS
Antimony, Total	ND		mg/kg	4.95	3.81	2	11/25/25 02:47	11/28/25 08:20	EPA 3050B	1,6010D	LRS
Arsenic, Total	5.84		mg/kg	0.990	0.428	2	11/25/25 02:47	11/28/25 08:20	EPA 3050B	1,6010D	LRS
Barium, Total	99.4		mg/kg	0.990	0.105	2	11/25/25 02:47	11/28/25 08:20	EPA 3050B	1,6010D	LRS
Beryllium, Total	0.503		mg/kg	0.495	0.054	2	11/25/25 02:47	11/28/25 08:20	EPA 3050B	1,6010D	LRS
Boron, Total	2.06	J	mg/kg	2.97	0.571	2	11/25/25 02:47	11/28/25 08:20	EPA 3050B	1,6010D	LRS
Cadmium, Total	0.156	J	mg/kg	0.990	0.054	2	11/25/25 02:47	11/28/25 08:20	EPA 3050B	1,6010D	LRS
Calcium, Total	3570		mg/kg	9.90	5.61	2	11/25/25 02:47	11/28/25 08:20	EPA 3050B	1,6010D	LRS
Chromium, Total	12.2		mg/kg	0.990	0.840	2	11/25/25 02:47	11/28/25 08:20	EPA 3050B	1,6010D	LRS
Cobalt, Total	8.60		mg/kg	1.98	0.246	2	11/25/25 02:47	11/28/25 08:20	EPA 3050B	1,6010D	LRS
Copper, Total	15.0		mg/kg	0.990	0.225	2	11/25/25 02:47	11/28/25 08:20	EPA 3050B	1,6010D	LRS
Iron, Total	19700		mg/kg	4.95	1.04	2	11/25/25 02:47	11/28/25 08:20	EPA 3050B	1,6010D	LRS
Lead, Total	11.9		mg/kg	4.95	0.236	2	11/25/25 02:47	11/28/25 08:20	EPA 3050B	1,6010D	LRS
Magnesium, Total	3790		mg/kg	9.90	1.61	2	11/25/25 02:47	11/28/25 08:20	EPA 3050B	1,6010D	LRS
Manganese, Total	596		mg/kg	0.990	0.531	2	11/25/25 02:47	11/28/25 08:20	EPA 3050B	1,6010D	LRS
Mercury, Total	ND		mg/kg	0.086	0.056	1	11/25/25 03:18	11/26/25 12:57	EPA 7471B	1,7471B	CME
Nickel, Total	19.1		mg/kg	2.48	0.800	2	11/25/25 02:47	11/28/25 08:20	EPA 3050B	1,6010D	LRS
Potassium, Total	666		mg/kg	248	50.2	2	11/25/25 02:47	11/28/25 08:20	EPA 3050B	1,6010D	LRS
Selenium, Total	ND		mg/kg	1.98	0.326	2	11/25/25 02:47	11/28/25 08:20	EPA 3050B	1,6010D	LRS
Silver, Total	ND		mg/kg	0.495	0.295	2	11/25/25 02:47	11/28/25 08:20	EPA 3050B	1,6010D	LRS
Sodium, Total	362		mg/kg	198	105.	2	11/25/25 02:47	11/28/25 08:20	EPA 3050B	1,6010D	LRS
Thallium, Total	ND		mg/kg	1.98	0.893	2	11/25/25 02:47	11/28/25 08:20	EPA 3050B	1,6010D	LRS
Vanadium, Total	13.4		mg/kg	0.990	0.150	2	11/25/25 02:47	11/28/25 08:20	EPA 3050B	1,6010D	LRS
Zinc, Total	58.3		mg/kg	4.95	0.600	2	11/25/25 02:47	11/28/25 08:20	EPA 3050B	1,6010D	LRS

Project Name: 25K1213 **Lab Number:** L2574898123

Project Number: 25K1213 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2574898-06 Date Collected: 11/17/25 09:55

Client ID: E-4 (2-12IN) Date Received: 11/21/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	9840		mg/kg	9.34	3.03	2	11/25/25 02:47	11/28/25 08:22	EPA 3050B	1,6010D	LRS
Antimony, Total	ND		mg/kg	4.67	3.59	2	11/25/25 02:47	11/28/25 08:22	EPA 3050B	1,6010D	LRS
Arsenic, Total	5.16		mg/kg	0.934	0.403	2	11/25/25 02:47	11/28/25 08:22	EPA 3050B	1,6010D	LRS
Barium, Total	113		mg/kg	0.934	0.099	2	11/25/25 02:47	11/28/25 08:22	EPA 3050B	1,6010D	LRS
Beryllium, Total	0.507		mg/kg	0.467	0.051	2	11/25/25 02:47	11/28/25 08:22	EPA 3050B	1,6010D	LRS
Boron, Total	1.70	J	mg/kg	2.80	0.539	2	11/25/25 02:47	11/28/25 08:22	EPA 3050B	1,6010D	LRS
Cadmium, Total	0.155	J	mg/kg	0.934	0.051	2	11/25/25 02:47	11/28/25 08:22	EPA 3050B	1,6010D	LRS
Calcium, Total	7660		mg/kg	9.34	5.29	2	11/25/25 02:47	11/28/25 08:22	EPA 3050B	1,6010D	LRS
Chromium, Total	12.9		mg/kg	0.934	0.792	2	11/25/25 02:47	11/28/25 08:22	EPA 3050B	1,6010D	LRS
Cobalt, Total	9.36		mg/kg	1.87	0.232	2	11/25/25 02:47	11/28/25 08:22	EPA 3050B	1,6010D	LRS
Copper, Total	15.9		mg/kg	0.934	0.212	2	11/25/25 02:47	11/28/25 08:22	EPA 3050B	1,6010D	LRS
Iron, Total	21400		mg/kg	4.67	0.980	2	11/25/25 02:47	11/28/25 08:22	EPA 3050B	1,6010D	LRS
Lead, Total	7.86		mg/kg	4.67	0.222	2	11/25/25 02:47	11/28/25 08:22	EPA 3050B	1,6010D	LRS
Magnesium, Total	3800		mg/kg	9.34	1.52	2	11/25/25 02:47	11/28/25 08:22	EPA 3050B	1,6010D	LRS
Manganese, Total	412		mg/kg	0.934	0.500	2	11/25/25 02:47	11/28/25 08:22	EPA 3050B	1,6010D	LRS
Mercury, Total	ND		mg/kg	0.088	0.057	1	11/25/25 03:18	11/26/25 13:00	EPA 7471B	1,7471B	CME
Nickel, Total	19.2		mg/kg	2.33	0.754	2	11/25/25 02:47	11/28/25 08:22	EPA 3050B	1,6010D	LRS
Potassium, Total	714		mg/kg	233	47.3	2	11/25/25 02:47	11/28/25 08:22	EPA 3050B	1,6010D	LRS
Selenium, Total	ND		mg/kg	1.87	0.307	2	11/25/25 02:47	11/28/25 08:22	EPA 3050B	1,6010D	LRS
Silver, Total	ND		mg/kg	0.467	0.278	2	11/25/25 02:47	11/28/25 08:22	EPA 3050B	1,6010D	LRS
Sodium, Total	249		mg/kg	187	99.0	2	11/25/25 02:47	11/28/25 08:22	EPA 3050B	1,6010D	LRS
Thallium, Total	ND		mg/kg	1.87	0.842	2	11/25/25 02:47	11/28/25 08:22	EPA 3050B	1,6010D	LRS
Vanadium, Total	15.9		mg/kg	0.934	0.141	2	11/25/25 02:47	11/28/25 08:22	EPA 3050B	1,6010D	LRS
Zinc, Total	50.7		mg/kg	4.67	0.566	2	11/25/25 02:47	11/28/25 08:22	EPA 3050B	1,6010D	LRS

Project Name: 25K1213 **Lab Number:** L2574898

Project Number: 25K1213 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2574898-07 Date Collected: 11/17/25 10:10
Client ID: E-1 (0-2IN) Date Received: 11/21/25
Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7850		mg/kg	10.3	3.36	2	11/25/25 02:47	11/28/25 08:24	EPA 3050B	1,6010D	LRS
Antimony, Total	ND		mg/kg	5.17	3.98	2	11/25/25 02:47	11/28/25 08:24	EPA 3050B	1,6010D	LRS
Arsenic, Total	6.34		mg/kg	1.03	0.447	2	11/25/25 02:47	11/28/25 08:24	EPA 3050B	1,6010D	LRS
Barium, Total	98.6		mg/kg	1.03	0.110	2	11/25/25 02:47	11/28/25 08:24	EPA 3050B	1,6010D	LRS
Beryllium, Total	0.477	J	mg/kg	0.517	0.057	2	11/25/25 02:47	11/28/25 08:24	EPA 3050B	1,6010D	LRS
Boron, Total	5.12		mg/kg	3.10	0.597	2	11/25/25 02:47	11/28/25 08:24	EPA 3050B	1,6010D	LRS
Cadmium, Total	0.468	J	mg/kg	1.03	0.057	2	11/25/25 02:47	11/28/25 08:24	EPA 3050B	1,6010D	LRS
Calcium, Total	2280		mg/kg	10.3	5.87	2	11/25/25 02:47	11/28/25 08:24	EPA 3050B	1,6010D	LRS
Chromium, Total	10.8		mg/kg	1.03	0.877	2	11/25/25 02:47	11/28/25 08:24	EPA 3050B	1,6010D	LRS
Cobalt, Total	8.70		mg/kg	2.07	0.256	2	11/25/25 02:47	11/28/25 08:24	EPA 3050B	1,6010D	LRS
Copper, Total	14.4		mg/kg	1.03	0.235	2	11/25/25 02:47	11/28/25 08:24	EPA 3050B	1,6010D	LRS
Iron, Total	17600		mg/kg	5.17	1.09	2	11/25/25 02:47	11/28/25 08:24	EPA 3050B	1,6010D	LRS
Lead, Total	38.0		mg/kg	5.17	0.246	2	11/25/25 02:47	11/28/25 08:24	EPA 3050B	1,6010D	LRS
Magnesium, Total	2620		mg/kg	10.3	1.69	2	11/25/25 02:47	11/28/25 08:24	EPA 3050B	1,6010D	LRS
Manganese, Total	491		mg/kg	1.03	0.554	2	11/25/25 02:47	11/28/25 08:24	EPA 3050B	1,6010D	LRS
Mercury, Total	ND		mg/kg	0.086	0.056	1	11/25/25 03:18	11/26/25 13:10	EPA 7471B	1,7471B	CME
Nickel, Total	17.7		mg/kg	2.59	0.836	2	11/25/25 02:47	11/28/25 08:24	EPA 3050B	1,6010D	LRS
Potassium, Total	576		mg/kg	259	52.4	2	11/25/25 02:47	11/28/25 08:24	EPA 3050B	1,6010D	LRS
Selenium, Total	0.512	J	mg/kg	2.07	0.340	2	11/25/25 02:47	11/28/25 08:24	EPA 3050B	1,6010D	LRS
Silver, Total	ND		mg/kg	0.517	0.308	2	11/25/25 02:47	11/28/25 08:24	EPA 3050B	1,6010D	LRS
Sodium, Total	ND		mg/kg	207	110.	2	11/25/25 02:47	11/28/25 08:24	EPA 3050B	1,6010D	LRS
Thallium, Total	ND		mg/kg	2.07	0.933	2	11/25/25 02:47	11/28/25 08:24	EPA 3050B	1,6010D	LRS
Vanadium, Total	10.9		mg/kg	1.03	0.156	2	11/25/25 02:47	11/28/25 08:24	EPA 3050B	1,6010D	LRS
Zinc, Total	65.0		mg/kg	5.17	0.627	2	11/25/25 02:47	11/28/25 08:24	EPA 3050B	1,6010D	LRS

Project Name: 25K1213 **Lab Number:** L2574898

Project Number: 25K1213 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2574898-08 Date Collected: 11/17/25 10:30
Client ID: E-1 (2-12IN) Date Received: 11/21/25
Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7280		mg/kg	9.18	2.98	2	11/25/25 02:47	11/28/25 08:26	EPA 3050B	1,6010D	LRS
Antimony, Total	ND		mg/kg	4.59	3.53	2	11/25/25 02:47	11/28/25 08:26	EPA 3050B	1,6010D	LRS
Arsenic, Total	5.66		mg/kg	0.918	0.396	2	11/25/25 02:47	11/28/25 08:26	EPA 3050B	1,6010D	LRS
Barium, Total	94.6		mg/kg	0.918	0.097	2	11/25/25 02:47	11/28/25 08:26	EPA 3050B	1,6010D	LRS
Beryllium, Total	0.426	J	mg/kg	0.459	0.051	2	11/25/25 02:47	11/28/25 08:26	EPA 3050B	1,6010D	LRS
Boron, Total	5.11		mg/kg	2.75	0.530	2	11/25/25 02:47	11/28/25 08:26	EPA 3050B	1,6010D	LRS
Cadmium, Total	0.585	J	mg/kg	0.918	0.051	2	11/25/25 02:47	11/28/25 08:26	EPA 3050B	1,6010D	LRS
Calcium, Total	1870		mg/kg	9.18	5.20	2	11/25/25 02:47	11/28/25 08:26	EPA 3050B	1,6010D	LRS
Chromium, Total	9.51		mg/kg	0.918	0.778	2	11/25/25 02:47	11/28/25 08:26	EPA 3050B	1,6010D	LRS
Cobalt, Total	7.91		mg/kg	1.84	0.228	2	11/25/25 02:47	11/28/25 08:26	EPA 3050B	1,6010D	LRS
Copper, Total	11.9		mg/kg	0.918	0.208	2	11/25/25 02:47	11/28/25 08:26	EPA 3050B	1,6010D	LRS
Iron, Total	16100		mg/kg	4.59	0.964	2	11/25/25 02:47	11/28/25 08:26	EPA 3050B	1,6010D	LRS
Lead, Total	31.3		mg/kg	4.59	0.218	2	11/25/25 02:47	11/28/25 08:26	EPA 3050B	1,6010D	LRS
Magnesium, Total	2370		mg/kg	9.18	1.50	2	11/25/25 02:47	11/28/25 08:26	EPA 3050B	1,6010D	LRS
Manganese, Total	536		mg/kg	0.918	0.492	2	11/25/25 02:47	11/28/25 08:26	EPA 3050B	1,6010D	LRS
Mercury, Total	ND		mg/kg	0.086	0.056	1	11/25/25 03:18	11/26/25 13:14	EPA 7471B	1,7471B	CME
Nickel, Total	16.0		mg/kg	2.29	0.742	2	11/25/25 02:47	11/28/25 08:26	EPA 3050B	1,6010D	LRS
Potassium, Total	444		mg/kg	229	46.5	2	11/25/25 02:47	11/28/25 08:26	EPA 3050B	1,6010D	LRS
Selenium, Total	0.425	J	mg/kg	1.84	0.302	2	11/25/25 02:47	11/28/25 08:26	EPA 3050B	1,6010D	LRS
Silver, Total	ND		mg/kg	0.459	0.273	2	11/25/25 02:47	11/28/25 08:26	EPA 3050B	1,6010D	LRS
Sodium, Total	ND		mg/kg	184	97.3	2	11/25/25 02:47	11/28/25 08:26	EPA 3050B	1,6010D	LRS
Thallium, Total	ND		mg/kg	1.84	0.828	2	11/25/25 02:47	11/28/25 08:26	EPA 3050B	1,6010D	LRS
Vanadium, Total	10.0		mg/kg	0.918	0.138	2	11/25/25 02:47	11/28/25 08:26	EPA 3050B	1,6010D	LRS
Zinc, Total	55.1		mg/kg	4.59	0.556	2	11/25/25 02:47	11/28/25 08:26	EPA 3050B	1,6010D	LRS

Project Name: 25K1213 **Lab Number:** L2574898

Project Number: 25K1213 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2574898-09 Date Collected: 11/17/25 11:25

Client ID: C-1 (0-2IN) Date Received: 11/21/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	9070		mg/kg	9.60	3.12	2	11/25/25 02:47	11/28/25 08:29	EPA 3050B	1,6010D	LRS
Antimony, Total	ND		mg/kg	4.80	3.70	2	11/25/25 02:47	11/28/25 08:29	EPA 3050B	1,6010D	LRS
Arsenic, Total	6.11		mg/kg	0.960	0.415	2	11/25/25 02:47	11/28/25 08:29	EPA 3050B	1,6010D	LRS
Barium, Total	114		mg/kg	0.960	0.102	2	11/25/25 02:47	11/28/25 08:29	EPA 3050B	1,6010D	LRS
Beryllium, Total	0.498		mg/kg	0.480	0.053	2	11/25/25 02:47	11/28/25 08:29	EPA 3050B	1,6010D	LRS
Boron, Total	1.76	J	mg/kg	2.88	0.554	2	11/25/25 02:47	11/28/25 08:29	EPA 3050B	1,6010D	LRS
Cadmium, Total	0.257	J	mg/kg	0.960	0.053	2	11/25/25 02:47	11/28/25 08:29	EPA 3050B	1,6010D	LRS
Calcium, Total	4190		mg/kg	9.60	5.44	2	11/25/25 02:47	11/28/25 08:29	EPA 3050B	1,6010D	LRS
Chromium, Total	12.1		mg/kg	0.960	0.814	2	11/25/25 02:47	11/28/25 08:29	EPA 3050B	1,6010D	LRS
Cobalt, Total	8.62		mg/kg	1.92	0.238	2	11/25/25 02:47	11/28/25 08:29	EPA 3050B	1,6010D	LRS
Copper, Total	15.3		mg/kg	0.960	0.218	2	11/25/25 02:47	11/28/25 08:29	EPA 3050B	1,6010D	LRS
Iron, Total	19000		mg/kg	4.80	1.01	2	11/25/25 02:47	11/28/25 08:29	EPA 3050B	1,6010D	LRS
Lead, Total	16.1		mg/kg	4.80	0.228	2	11/25/25 02:47	11/28/25 08:29	EPA 3050B	1,6010D	LRS
Magnesium, Total	2880		mg/kg	9.60	1.56	2	11/25/25 02:47	11/28/25 08:29	EPA 3050B	1,6010D	LRS
Manganese, Total	674		mg/kg	0.960	0.514	2	11/25/25 02:47	11/28/25 08:29	EPA 3050B	1,6010D	LRS
Mercury, Total	ND		mg/kg	0.092	0.060	1	11/25/25 03:18	11/26/25 13:17	EPA 7471B	1,7471B	CME
Nickel, Total	18.6		mg/kg	2.40	0.776	2	11/25/25 02:47	11/28/25 08:29	EPA 3050B	1,6010D	LRS
Potassium, Total	657		mg/kg	240	48.7	2	11/25/25 02:47	11/28/25 08:29	EPA 3050B	1,6010D	LRS
Selenium, Total	0.417	J	mg/kg	1.92	0.316	2	11/25/25 02:47	11/28/25 08:29	EPA 3050B	1,6010D	LRS
Silver, Total	ND		mg/kg	0.480	0.286	2	11/25/25 02:47	11/28/25 08:29	EPA 3050B	1,6010D	LRS
Sodium, Total	350		mg/kg	192	102.	2	11/25/25 02:47	11/28/25 08:29	EPA 3050B	1,6010D	LRS
Thallium, Total	ND		mg/kg	1.92	0.866	2	11/25/25 02:47	11/28/25 08:29	EPA 3050B	1,6010D	LRS
Vanadium, Total	12.3		mg/kg	0.960	0.145	2	11/25/25 02:47	11/28/25 08:29	EPA 3050B	1,6010D	LRS
Zinc, Total	60.8		mg/kg	4.80	0.582	2	11/25/25 02:47	11/28/25 08:29	EPA 3050B	1,6010D	LRS

Project Name: 25K1213 **Lab Number:** L2574898

Project Number: 25K1213 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2574898-10 Date Collected: 11/17/25 11:30

Client ID: C-1 (2-12IN) Date Received: 11/21/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	9360		mg/kg	8.84	2.87	2	11/25/25 02:47	11/28/25 08:31	EPA 3050B	1,6010D	LRS
Antimony, Total	ND		mg/kg	4.42	3.40	2	11/25/25 02:47	11/28/25 08:31	EPA 3050B	1,6010D	LRS
Arsenic, Total	5.76		mg/kg	0.884	0.382	2	11/25/25 02:47	11/28/25 08:31	EPA 3050B	1,6010D	LRS
Barium, Total	132		mg/kg	0.884	0.094	2	11/25/25 02:47	11/28/25 08:31	EPA 3050B	1,6010D	LRS
Beryllium, Total	0.492		mg/kg	0.442	0.049	2	11/25/25 02:47	11/28/25 08:31	EPA 3050B	1,6010D	LRS
Boron, Total	1.54	J	mg/kg	2.65	0.510	2	11/25/25 02:47	11/28/25 08:31	EPA 3050B	1,6010D	LRS
Cadmium, Total	0.180	J	mg/kg	0.884	0.049	2	11/25/25 02:47	11/28/25 08:31	EPA 3050B	1,6010D	LRS
Calcium, Total	7790		mg/kg	8.84	5.01	2	11/25/25 02:47	11/28/25 08:31	EPA 3050B	1,6010D	LRS
Chromium, Total	12.2		mg/kg	0.884	0.750	2	11/25/25 02:47	11/28/25 08:31	EPA 3050B	1,6010D	LRS
Cobalt, Total	8.98		mg/kg	1.77	0.219	2	11/25/25 02:47	11/28/25 08:31	EPA 3050B	1,6010D	LRS
Copper, Total	14.7		mg/kg	0.884	0.201	2	11/25/25 02:47	11/28/25 08:31	EPA 3050B	1,6010D	LRS
Iron, Total	19600		mg/kg	4.42	0.928	2	11/25/25 02:47	11/28/25 08:31	EPA 3050B	1,6010D	LRS
Lead, Total	12.2		mg/kg	4.42	0.210	2	11/25/25 02:47	11/28/25 08:31	EPA 3050B	1,6010D	LRS
Magnesium, Total	3440		mg/kg	8.84	1.44	2	11/25/25 02:47	11/28/25 08:31	EPA 3050B	1,6010D	LRS
Manganese, Total	540		mg/kg	0.884	0.474	2	11/25/25 02:47	11/28/25 08:31	EPA 3050B	1,6010D	LRS
Mercury, Total	ND		mg/kg	0.077	0.050	1	11/25/25 03:18	11/26/25 13:20	EPA 7471B	1,7471B	CME
Nickel, Total	18.0		mg/kg	2.21	0.714	2	11/25/25 02:47	11/28/25 08:31	EPA 3050B	1,6010D	LRS
Potassium, Total	648		mg/kg	221	44.8	2	11/25/25 02:47	11/28/25 08:31	EPA 3050B	1,6010D	LRS
Selenium, Total	ND		mg/kg	1.77	0.291	2	11/25/25 02:47	11/28/25 08:31	EPA 3050B	1,6010D	LRS
Silver, Total	ND		mg/kg	0.442	0.263	2	11/25/25 02:47	11/28/25 08:31	EPA 3050B	1,6010D	LRS
Sodium, Total	357		mg/kg	177	93.7	2	11/25/25 02:47	11/28/25 08:31	EPA 3050B	1,6010D	LRS
Thallium, Total	ND		mg/kg	1.77	0.797	2	11/25/25 02:47	11/28/25 08:31	EPA 3050B	1,6010D	LRS
Vanadium, Total	14.0		mg/kg	0.884	0.133	2	11/25/25 02:47	11/28/25 08:31	EPA 3050B	1,6010D	LRS
Zinc, Total	54.5		mg/kg	4.42	0.536	2	11/25/25 02:47	11/28/25 08:31	EPA 3050B	1,6010D	LRS

Project Name: 25K1213 **Lab Number:** L2574898

Project Number: 25K1213 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2574898-11 Date Collected: 11/17/25 11:45
Client ID: B-1 (0-2IN) Date Received: 11/21/25
Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7100		mg/kg	9.52	3.10	2	11/25/25 02:47	11/28/25 08:33	EPA 3050B	1,6010D	LRS
Antimony, Total	ND		mg/kg	4.76	3.67	2	11/25/25 02:47	11/28/25 08:33	EPA 3050B	1,6010D	LRS
Arsenic, Total	9.10		mg/kg	0.952	0.411	2	11/25/25 02:47	11/28/25 08:33	EPA 3050B	1,6010D	LRS
Barium, Total	101		mg/kg	0.952	0.101	2	11/25/25 02:47	11/28/25 08:33	EPA 3050B	1,6010D	LRS
Beryllium, Total	0.577		mg/kg	0.476	0.052	2	11/25/25 02:47	11/28/25 08:33	EPA 3050B	1,6010D	LRS
Boron, Total	5.30		mg/kg	2.86	0.550	2	11/25/25 02:47	11/28/25 08:33	EPA 3050B	1,6010D	LRS
Cadmium, Total	1.02		mg/kg	0.952	0.052	2	11/25/25 02:47	11/28/25 08:33	EPA 3050B	1,6010D	LRS
Calcium, Total	2650		mg/kg	9.52	5.40	2	11/25/25 02:47	11/28/25 08:33	EPA 3050B	1,6010D	LRS
Chromium, Total	11.5		mg/kg	0.952	0.808	2	11/25/25 02:47	11/28/25 08:33	EPA 3050B	1,6010D	LRS
Cobalt, Total	11.3		mg/kg	1.90	0.236	2	11/25/25 02:47	11/28/25 08:33	EPA 3050B	1,6010D	LRS
Copper, Total	27.6		mg/kg	0.952	0.216	2	11/25/25 02:47	11/28/25 08:33	EPA 3050B	1,6010D	LRS
Iron, Total	17800		mg/kg	4.76	1.00	2	11/25/25 02:47	11/28/25 08:33	EPA 3050B	1,6010D	LRS
Lead, Total	102		mg/kg	4.76	0.227	2	11/25/25 02:47	11/28/25 08:33	EPA 3050B	1,6010D	LRS
Magnesium, Total	2390		mg/kg	9.52	1.55	2	11/25/25 02:47	11/28/25 08:33	EPA 3050B	1,6010D	LRS
Manganese, Total	598		mg/kg	0.952	0.510	2	11/25/25 02:47	11/28/25 08:33	EPA 3050B	1,6010D	LRS
Mercury, Total	0.085	J	mg/kg	0.086	0.056	1	11/25/25 03:18	11/26/25 13:24	EPA 7471B	1,7471B	CME
Nickel, Total	20.7		mg/kg	2.38	0.770	2	11/25/25 02:47	11/28/25 08:33	EPA 3050B	1,6010D	LRS
Potassium, Total	736		mg/kg	238	48.3	2	11/25/25 02:47	11/28/25 08:33	EPA 3050B	1,6010D	LRS
Selenium, Total	0.847	J	mg/kg	1.90	0.313	2	11/25/25 02:47	11/28/25 08:33	EPA 3050B	1,6010D	LRS
Silver, Total	ND		mg/kg	0.476	0.284	2	11/25/25 02:47	11/28/25 08:33	EPA 3050B	1,6010D	LRS
Sodium, Total	ND		mg/kg	190	101.	2	11/25/25 02:47	11/28/25 08:33	EPA 3050B	1,6010D	LRS
Thallium, Total	ND		mg/kg	1.90	0.859	2	11/25/25 02:47	11/28/25 08:33	EPA 3050B	1,6010D	LRS
Vanadium, Total	10.8		mg/kg	0.952	0.144	2	11/25/25 02:47	11/28/25 08:33	EPA 3050B	1,6010D	LRS
Zinc, Total	120		mg/kg	4.76	0.577	2	11/25/25 02:47	11/28/25 08:33	EPA 3050B	1,6010D	LRS

Project Name: 25K1213 **Lab Number:** L2574898

Project Number: 25K1213 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2574898-12 Date Collected: 11/17/25 11:50
Client ID: B-1 (2-12IN) Date Received: 11/21/25
Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6310		mg/kg	8.85	2.88	2	11/25/25 02:47	11/28/25 08:35	EPA 3050B	1,6010D	LRS
Antimony, Total	ND		mg/kg	4.43	3.41	2	11/25/25 02:47	11/28/25 08:35	EPA 3050B	1,6010D	LRS
Arsenic, Total	14.1		mg/kg	0.885	0.382	2	11/25/25 02:47	11/28/25 08:35	EPA 3050B	1,6010D	LRS
Barium, Total	108		mg/kg	0.885	0.094	2	11/25/25 02:47	11/28/25 08:35	EPA 3050B	1,6010D	LRS
Beryllium, Total	0.519		mg/kg	0.443	0.049	2	11/25/25 02:47	11/28/25 08:35	EPA 3050B	1,6010D	LRS
Boron, Total	8.70		mg/kg	2.66	0.511	2	11/25/25 02:47	11/28/25 08:35	EPA 3050B	1,6010D	LRS
Cadmium, Total	0.884	J	mg/kg	0.885	0.049	2	11/25/25 02:47	11/28/25 08:35	EPA 3050B	1,6010D	LRS
Calcium, Total	5610		mg/kg	8.85	5.02	2	11/25/25 02:47	11/28/25 08:35	EPA 3050B	1,6010D	LRS
Chromium, Total	18.4		mg/kg	0.885	0.751	2	11/25/25 02:47	11/28/25 08:35	EPA 3050B	1,6010D	LRS
Cobalt, Total	10.3		mg/kg	1.77	0.220	2	11/25/25 02:47	11/28/25 08:35	EPA 3050B	1,6010D	LRS
Copper, Total	46.2		mg/kg	0.885	0.201	2	11/25/25 02:47	11/28/25 08:35	EPA 3050B	1,6010D	LRS
Iron, Total	22100		mg/kg	4.43	0.929	2	11/25/25 02:47	11/28/25 08:35	EPA 3050B	1,6010D	LRS
Lead, Total	123		mg/kg	4.43	0.211	2	11/25/25 02:47	11/28/25 08:35	EPA 3050B	1,6010D	LRS
Magnesium, Total	2770		mg/kg	8.85	1.44	2	11/25/25 02:47	11/28/25 08:35	EPA 3050B	1,6010D	LRS
Manganese, Total	494		mg/kg	0.885	0.474	2	11/25/25 02:47	11/28/25 08:35	EPA 3050B	1,6010D	LRS
Mercury, Total	0.082		mg/kg	0.072	0.047	1	11/25/25 03:18	11/26/25 13:27	EPA 7471B	1,7471B	CME
Nickel, Total	21.0		mg/kg	2.21	0.715	2	11/25/25 02:47	11/28/25 08:35	EPA 3050B	1,6010D	LRS
Potassium, Total	450		mg/kg	221	44.9	2	11/25/25 02:47	11/28/25 08:35	EPA 3050B	1,6010D	LRS
Selenium, Total	1.09	J	mg/kg	1.77	0.291	2	11/25/25 02:47	11/28/25 08:35	EPA 3050B	1,6010D	LRS
Silver, Total	ND		mg/kg	0.443	0.264	2	11/25/25 02:47	11/28/25 08:35	EPA 3050B	1,6010D	LRS
Sodium, Total	ND		mg/kg	177	93.8	2	11/25/25 02:47	11/28/25 08:35	EPA 3050B	1,6010D	LRS
Thallium, Total	ND		mg/kg	1.77	0.798	2	11/25/25 02:47	11/28/25 08:35	EPA 3050B	1,6010D	LRS
Vanadium, Total	11.2		mg/kg	0.885	0.134	2	11/25/25 02:47	11/28/25 08:35	EPA 3050B	1,6010D	LRS
Zinc, Total	127		mg/kg	4.43	0.536	2	11/25/25 02:47	11/28/25 08:35	EPA 3050B	1,6010D	LRS

Project Name: 25K1213 **Lab Number:** L2574898

Project Number: 25K1213 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2574898-13 Date Collected: 11/17/25 12:35
Client ID: B-2 (0-2IN) Date Received: 11/21/25
Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5900		mg/kg	9.13	2.97	2	11/25/25 02:47	11/28/25 07:30	EPA 3050B	1,6010D	LRS
Antimony, Total	ND		mg/kg	4.56	3.51	2	11/25/25 02:47	11/28/25 07:30	EPA 3050B	1,6010D	LRS
Arsenic, Total	7.28		mg/kg	0.913	0.394	2	11/25/25 02:47	11/28/25 07:30	EPA 3050B	1,6010D	LRS
Barium, Total	78.2		mg/kg	0.913	0.097	2	11/25/25 02:47	11/28/25 07:30	EPA 3050B	1,6010D	LRS
Beryllium, Total	0.423	J	mg/kg	0.456	0.050	2	11/25/25 02:47	11/28/25 07:30	EPA 3050B	1,6010D	LRS
Boron, Total	7.11		mg/kg	2.74	0.527	2	11/25/25 02:47	11/28/25 07:30	EPA 3050B	1,6010D	LRS
Cadmium, Total	0.819	J	mg/kg	0.913	0.050	2	11/25/25 02:47	11/28/25 07:30	EPA 3050B	1,6010D	LRS
Calcium, Total	2960		mg/kg	9.13	5.18	2	11/25/25 02:47	11/28/25 07:30	EPA 3050B	1,6010D	LRS
Chromium, Total	8.77		mg/kg	0.913	0.774	2	11/25/25 02:47	11/28/25 07:30	EPA 3050B	1,6010D	LRS
Cobalt, Total	8.07		mg/kg	1.82	0.226	2	11/25/25 02:47	11/28/25 07:30	EPA 3050B	1,6010D	LRS
Copper, Total	15.7		mg/kg	0.913	0.207	2	11/25/25 02:47	11/28/25 07:30	EPA 3050B	1,6010D	LRS
Iron, Total	13800		mg/kg	4.56	0.958	2	11/25/25 02:47	11/28/25 07:30	EPA 3050B	1,6010D	LRS
Lead, Total	68.1		mg/kg	4.56	0.217	2	11/25/25 02:47	11/28/25 07:30	EPA 3050B	1,6010D	LRS
Magnesium, Total	2230		mg/kg	9.13	1.49	2	11/25/25 02:47	11/28/25 07:30	EPA 3050B	1,6010D	LRS
Manganese, Total	458		mg/kg	0.913	0.489	2	11/25/25 02:47	11/28/25 07:30	EPA 3050B	1,6010D	LRS
Mercury, Total	0.099		mg/kg	0.080	0.052	1	11/25/25 03:18	11/26/25 11:58	EPA 7471B	1,7471B	CME
Nickel, Total	15.7		mg/kg	2.28	0.737	2	11/25/25 02:47	11/28/25 07:30	EPA 3050B	1,6010D	LRS
Potassium, Total	640		mg/kg	228	46.3	2	11/25/25 02:47	11/28/25 07:30	EPA 3050B	1,6010D	LRS
Selenium, Total	0.533	J	mg/kg	1.82	0.300	2	11/25/25 02:47	11/28/25 07:30	EPA 3050B	1,6010D	LRS
Silver, Total	ND		mg/kg	0.456	0.272	2	11/25/25 02:47	11/28/25 07:30	EPA 3050B	1,6010D	LRS
Sodium, Total	ND		mg/kg	182	96.7	2	11/25/25 02:47	11/28/25 07:30	EPA 3050B	1,6010D	LRS
Thallium, Total	ND		mg/kg	1.82	0.823	2	11/25/25 02:47	11/28/25 07:30	EPA 3050B	1,6010D	LRS
Vanadium, Total	8.31		mg/kg	0.913	0.138	2	11/25/25 02:47	11/28/25 07:30	EPA 3050B	1,6010D	LRS
Zinc, Total	79.4		mg/kg	4.56	0.553	2	11/25/25 02:47	11/28/25 07:30	EPA 3050B	1,6010D	LRS

Project Name: 25K1213 **Lab Number:** L2574898

Project Number: 25K1213 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2574898-14 Date Collected: 11/17/25 12:40
Client ID: B-2 (2-12IN) Date Received: 11/21/25
Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6790		mg/kg	9.24	3.00	2	11/25/25 02:47	11/28/25 07:56	EPA 3050B	1,6010D	LRS
Antimony, Total	ND		mg/kg	4.62	3.56	2	11/25/25 02:47	11/28/25 07:56	EPA 3050B	1,6010D	LRS
Arsenic, Total	7.82		mg/kg	0.924	0.399	2	11/25/25 02:47	11/28/25 07:56	EPA 3050B	1,6010D	LRS
Barium, Total	87.3		mg/kg	0.924	0.098	2	11/25/25 02:47	11/28/25 07:56	EPA 3050B	1,6010D	LRS
Beryllium, Total	0.479		mg/kg	0.462	0.051	2	11/25/25 02:47	11/28/25 07:56	EPA 3050B	1,6010D	LRS
Boron, Total	6.50		mg/kg	2.77	0.533	2	11/25/25 02:47	11/28/25 07:56	EPA 3050B	1,6010D	LRS
Cadmium, Total	0.907	J	mg/kg	0.924	0.051	2	11/25/25 02:47	11/28/25 07:56	EPA 3050B	1,6010D	LRS
Calcium, Total	3610		mg/kg	9.24	5.24	2	11/25/25 02:47	11/28/25 07:56	EPA 3050B	1,6010D	LRS
Chromium, Total	10.1		mg/kg	0.924	0.784	2	11/25/25 02:47	11/28/25 07:56	EPA 3050B	1,6010D	LRS
Cobalt, Total	9.25		mg/kg	1.85	0.229	2	11/25/25 02:47	11/28/25 07:56	EPA 3050B	1,6010D	LRS
Copper, Total	17.8		mg/kg	0.924	0.210	2	11/25/25 02:47	11/28/25 07:56	EPA 3050B	1,6010D	LRS
Iron, Total	15600		mg/kg	4.62	0.971	2	11/25/25 02:47	11/28/25 07:56	EPA 3050B	1,6010D	LRS
Lead, Total	74.5		mg/kg	4.62	0.220	2	11/25/25 02:47	11/28/25 07:56	EPA 3050B	1,6010D	LRS
Magnesium, Total	2580		mg/kg	9.24	1.51	2	11/25/25 02:47	11/28/25 07:56	EPA 3050B	1,6010D	LRS
Manganese, Total	522		mg/kg	0.924	0.496	2	11/25/25 02:47	11/28/25 07:56	EPA 3050B	1,6010D	LRS
Mercury, Total	0.101		mg/kg	0.077	0.050	1	11/25/25 03:18	11/26/25 12:07	EPA 7471B	1,7471B	CME
Nickel, Total	18.2		mg/kg	2.31	0.747	2	11/25/25 02:47	11/28/25 07:56	EPA 3050B	1,6010D	LRS
Potassium, Total	635		mg/kg	231	46.9	2	11/25/25 02:47	11/28/25 07:56	EPA 3050B	1,6010D	LRS
Selenium, Total	0.444	J	mg/kg	1.85	0.304	2	11/25/25 02:47	11/28/25 07:56	EPA 3050B	1,6010D	LRS
Silver, Total	ND		mg/kg	0.462	0.276	2	11/25/25 02:47	11/28/25 07:56	EPA 3050B	1,6010D	LRS
Sodium, Total	ND		mg/kg	185	98.0	2	11/25/25 02:47	11/28/25 07:56	EPA 3050B	1,6010D	LRS
Thallium, Total	ND		mg/kg	1.85	0.834	2	11/25/25 02:47	11/28/25 07:56	EPA 3050B	1,6010D	LRS
Vanadium, Total	9.50		mg/kg	0.924	0.140	2	11/25/25 02:47	11/28/25 07:56	EPA 3050B	1,6010D	LRS
Zinc, Total	90.3		mg/kg	4.62	0.560	2	11/25/25 02:47	11/28/25 07:56	EPA 3050B	1,6010D	LRS

Project Name: 25K1213 **Lab Number:** L2574898

Project Number: 25K1213 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2574898-15 Date Collected: 11/17/25 00:00
Client ID: DUP-1 Date Received: 11/21/25
Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4740		mg/kg	10.1	3.27	2	11/25/25 07:57	11/26/25 23:51	EPA 3050B	1,6010D	JMF
Antimony, Total	ND		mg/kg	5.03	3.87	2	11/25/25 07:57	11/26/25 23:51	EPA 3050B	1,6010D	JMF
Arsenic, Total	6.77		mg/kg	1.01	0.435	2	11/25/25 07:57	11/26/25 23:51	EPA 3050B	1,6010D	JMF
Barium, Total	61.9		mg/kg	1.01	0.107	2	11/25/25 07:57	11/26/25 23:51	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.339	J	mg/kg	0.503	0.055	2	11/25/25 07:57	11/26/25 23:51	EPA 3050B	1,6010D	JMF
Boron, Total	5.87		mg/kg	3.02	0.581	2	11/25/25 07:57	11/26/25 23:51	EPA 3050B	1,6010D	JMF
Cadmium, Total	0.800	J	mg/kg	1.01	0.055	2	11/25/25 07:57	11/26/25 23:51	EPA 3050B	1,6010D	JMF
Calcium, Total	2550		mg/kg	10.1	5.71	2	11/25/25 07:57	11/26/25 23:51	EPA 3050B	1,6010D	JMF
Chromium, Total	7.05		mg/kg	1.01	0.853	2	11/25/25 07:57	11/26/25 23:51	EPA 3050B	1,6010D	JMF
Cobalt, Total	6.62		mg/kg	2.01	0.250	2	11/25/25 07:57	11/26/25 23:51	EPA 3050B	1,6010D	JMF
Copper, Total	12.6		mg/kg	1.01	0.228	2	11/25/25 07:57	11/26/25 23:51	EPA 3050B	1,6010D	JMF
Iron, Total	11300		mg/kg	5.03	1.06	2	11/25/25 07:57	11/26/25 23:51	EPA 3050B	1,6010D	JMF
Lead, Total	58.4		mg/kg	5.03	0.240	2	11/25/25 07:57	11/26/25 23:51	EPA 3050B	1,6010D	JMF
Magnesium, Total	1780		mg/kg	10.1	1.64	2	11/25/25 07:57	11/26/25 23:51	EPA 3050B	1,6010D	JMF
Manganese, Total	370		mg/kg	1.01	0.539	2	11/25/25 07:57	11/26/25 23:51	EPA 3050B	1,6010D	JMF
Mercury, Total	0.148		mg/kg	0.090	0.059	1	11/25/25 00:52	11/25/25 10:12	EPA 7471B	1,7471B	JWN
Nickel, Total	13.0		mg/kg	2.52	0.813	2	11/25/25 07:57	11/26/25 23:51	EPA 3050B	1,6010D	JMF
Potassium, Total	560		mg/kg	252	51.0	2	11/25/25 07:57	11/26/25 23:51	EPA 3050B	1,6010D	JMF
Selenium, Total	0.471	J	mg/kg	2.01	0.331	2	11/25/25 07:57	11/26/25 23:51	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.503	0.300	2	11/25/25 07:57	11/26/25 23:51	EPA 3050B	1,6010D	JMF
Sodium, Total	ND		mg/kg	201	107.	2	11/25/25 07:57	11/26/25 23:51	EPA 3050B	1,6010D	JMF
Thallium, Total	ND		mg/kg	2.01	0.908	2	11/25/25 07:57	11/26/25 23:51	EPA 3050B	1,6010D	JMF
Vanadium, Total	6.79		mg/kg	1.01	0.152	2	11/25/25 07:57	11/26/25 23:51	EPA 3050B	1,6010D	JMF
Zinc, Total	66.1		mg/kg	5.03	0.610	2	11/25/25 07:57	11/26/25 23:51	EPA 3050B	1,6010D	JMF

Project Name: 25K1213 **Lab Number:** L2574898

Project Number: 25K1213 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2574898-16 Date Collected: 11/17/25 00:00
Client ID: DUP-2 Date Received: 11/21/25
Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6390		mg/kg	9.12	2.96	2	11/25/25 07:57	11/26/25 23:53	EPA 3050B	1,6010D	JMF
Antimony, Total	ND		mg/kg	4.56	3.51	2	11/25/25 07:57	11/26/25 23:53	EPA 3050B	1,6010D	JMF
Arsenic, Total	8.95		mg/kg	0.912	0.394	2	11/25/25 07:57	11/26/25 23:53	EPA 3050B	1,6010D	JMF
Barium, Total	84.4		mg/kg	0.912	0.097	2	11/25/25 07:57	11/26/25 23:53	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.455	J	mg/kg	0.456	0.050	2	11/25/25 07:57	11/26/25 23:53	EPA 3050B	1,6010D	JMF
Boron, Total	7.06		mg/kg	2.73	0.526	2	11/25/25 07:57	11/26/25 23:53	EPA 3050B	1,6010D	JMF
Cadmium, Total	0.949		mg/kg	0.912	0.050	2	11/25/25 07:57	11/26/25 23:53	EPA 3050B	1,6010D	JMF
Calcium, Total	3500		mg/kg	9.12	5.17	2	11/25/25 07:57	11/26/25 23:53	EPA 3050B	1,6010D	JMF
Chromium, Total	9.57		mg/kg	0.912	0.773	2	11/25/25 07:57	11/26/25 23:53	EPA 3050B	1,6010D	JMF
Cobalt, Total	8.75		mg/kg	1.82	0.226	2	11/25/25 07:57	11/26/25 23:53	EPA 3050B	1,6010D	JMF
Copper, Total	17.2		mg/kg	0.912	0.207	2	11/25/25 07:57	11/26/25 23:53	EPA 3050B	1,6010D	JMF
Iron, Total	15000		mg/kg	4.56	0.957	2	11/25/25 07:57	11/26/25 23:53	EPA 3050B	1,6010D	JMF
Lead, Total	77.0		mg/kg	4.56	0.217	2	11/25/25 07:57	11/26/25 23:53	EPA 3050B	1,6010D	JMF
Magnesium, Total	2420		mg/kg	9.12	1.48	2	11/25/25 07:57	11/26/25 23:53	EPA 3050B	1,6010D	JMF
Manganese, Total	500		mg/kg	0.912	0.489	2	11/25/25 07:57	11/26/25 23:53	EPA 3050B	1,6010D	JMF
Mercury, Total	0.151		mg/kg	0.079	0.052	1	11/25/25 00:52	11/25/25 10:15	EPA 7471B	1,7471B	JWN
Nickel, Total	17.4		mg/kg	2.28	0.736	2	11/25/25 07:57	11/26/25 23:53	EPA 3050B	1,6010D	JMF
Potassium, Total	644		mg/kg	228	46.2	2	11/25/25 07:57	11/26/25 23:53	EPA 3050B	1,6010D	JMF
Selenium, Total	0.558	J	mg/kg	1.82	0.300	2	11/25/25 07:57	11/26/25 23:53	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.456	0.272	2	11/25/25 07:57	11/26/25 23:53	EPA 3050B	1,6010D	JMF
Sodium, Total	ND		mg/kg	182	96.6	2	11/25/25 07:57	11/26/25 23:53	EPA 3050B	1,6010D	JMF
Thallium, Total	ND		mg/kg	1.82	0.822	2	11/25/25 07:57	11/26/25 23:53	EPA 3050B	1,6010D	JMF
Vanadium, Total	9.12		mg/kg	0.912	0.138	2	11/25/25 07:57	11/26/25 23:53	EPA 3050B	1,6010D	JMF
Zinc, Total	84.7		mg/kg	4.56	0.552	2	11/25/25 07:57	11/26/25 23:53	EPA 3050B	1,6010D	JMF

Project Name: 25K1213 **Lab Number:** L2574898

Project Number: 25K1213 **Report Date:** 12/01/25

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 15-16 Batch: WG2146078-1										
Mercury, Total	0.056	J	mg/kg	0.083	0.054	1	11/25/25 00:52	11/25/25 08:59	1,7471B	JWN

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-14 Batch: WG2146092-1										
Aluminum, Total	ND		mg/kg	4.00	1.30	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Antimony, Total	ND		mg/kg	2.00	1.54	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Arsenic, Total	ND		mg/kg	0.400	0.173	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Barium, Total	ND		mg/kg	0.400	0.042	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Beryllium, Total	ND		mg/kg	0.200	0.022	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Boron, Total	ND		mg/kg	1.20	0.231	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Cadmium, Total	ND		mg/kg	0.400	0.022	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Calcium, Total	ND		mg/kg	4.00	2.27	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Chromium, Total	ND		mg/kg	0.400	0.339	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Cobalt, Total	ND		mg/kg	0.800	0.099	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Copper, Total	ND		mg/kg	0.400	0.091	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Iron, Total	0.608	J	mg/kg	2.00	0.420	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Lead, Total	ND		mg/kg	2.00	0.095	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Magnesium, Total	ND		mg/kg	4.00	0.652	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Manganese, Total	ND		mg/kg	0.400	0.214	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Nickel, Total	ND		mg/kg	1.00	0.323	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Potassium, Total	ND		mg/kg	100	20.3	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Selenium, Total	ND		mg/kg	0.800	0.132	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Silver, Total	ND		mg/kg	0.200	0.119	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Sodium, Total	ND		mg/kg	80.0	42.4	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Thallium, Total	ND		mg/kg	0.800	0.361	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Vanadium, Total	ND		mg/kg	0.400	0.060	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Zinc, Total	ND		mg/kg	2.00	0.242	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS

Project Name: 25K1213 **Lab Number:** L2574898

Project Number: 25K1213 **Report Date:** 12/01/25

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-14 Batch: WG2146094-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	11/25/25 03:18	11/26/25 11:51	1,7471B	CME

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 15-16 Batch: WG2146097-1										
Aluminum, Total	ND		mg/kg	4.00	1.30	1	11/25/25 07:57	11/26/25 22:01	1,6010D	JMF
Antimony, Total	ND		mg/kg	2.00	1.54	1	11/25/25 07:57	11/26/25 22:01	1,6010D	JMF
Arsenic, Total	ND		mg/kg	0.400	0.173	1	11/25/25 07:57	11/26/25 22:01	1,6010D	JMF
Barium, Total	ND		mg/kg	0.400	0.042	1	11/25/25 07:57	11/26/25 22:01	1,6010D	JMF
Beryllium, Total	ND		mg/kg	0.200	0.022	1	11/25/25 07:57	11/26/25 22:01	1,6010D	JMF
Boron, Total	ND		mg/kg	1.20	0.231	1	11/25/25 07:57	11/26/25 22:01	1,6010D	JMF
Cadmium, Total	ND		mg/kg	0.400	0.022	1	11/25/25 07:57	11/26/25 22:01	1,6010D	JMF
Calcium, Total	ND		mg/kg	4.00	2.27	1	11/25/25 07:57	11/26/25 22:01	1,6010D	JMF
Chromium, Total	ND		mg/kg	0.400	0.339	1	11/25/25 07:57	11/26/25 22:01	1,6010D	JMF
Cobalt, Total	ND		mg/kg	0.800	0.099	1	11/25/25 07:57	11/26/25 22:01	1,6010D	JMF
Copper, Total	ND		mg/kg	0.400	0.091	1	11/25/25 07:57	11/26/25 22:01	1,6010D	JMF
Iron, Total	0.508	J	mg/kg	2.00	0.420	1	11/25/25 07:57	11/26/25 22:01	1,6010D	JMF
Lead, Total	ND		mg/kg	2.00	0.095	1	11/25/25 07:57	11/26/25 22:01	1,6010D	JMF
Magnesium, Total	ND		mg/kg	4.00	0.652	1	11/25/25 07:57	11/26/25 22:01	1,6010D	JMF
Manganese, Total	ND		mg/kg	0.400	0.214	1	11/25/25 07:57	11/26/25 22:01	1,6010D	JMF
Nickel, Total	ND		mg/kg	1.00	0.323	1	11/25/25 07:57	11/26/25 22:01	1,6010D	JMF
Potassium, Total	ND		mg/kg	100	20.3	1	11/25/25 07:57	11/26/25 22:01	1,6010D	JMF
Selenium, Total	ND		mg/kg	0.800	0.132	1	11/25/25 07:57	11/26/25 22:01	1,6010D	JMF
Silver, Total	ND		mg/kg	0.200	0.119	1	11/25/25 07:57	11/26/25 22:01	1,6010D	JMF
Sodium, Total	ND		mg/kg	80.0	42.4	1	11/25/25 07:57	11/26/25 22:01	1,6010D	JMF

Project Name: 25K1213 **Lab Number:** L2574898

Project Number: 25K1213 **Report Date:** 12/01/25

Method Blank Analysis
Batch Quality Control

Thallium, Total	ND	mg/kg	0.800	0.361	1	11/25/25 07:57	11/26/25 22:01	1,6010D	JMF
Vanadium, Total	ND	mg/kg	0.400	0.060	1	11/25/25 07:57	11/26/25 22:01	1,6010D	JMF
Zinc, Total	ND	mg/kg	2.00	0.242	1	11/25/25 07:57	11/26/25 22:01	1,6010D	JMF

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 25K1213
Project Number: 25K1213

Lab Number: L2574898
Report Date: 12/01/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 15-16 Batch: WG2146078-2								
Mercury, Total	97		-		80-120	-		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 25K1213
Project Number: 25K1213

Lab Number: L2574898
Report Date: 12/01/25

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-14 Batch: WG2146092-2					
Aluminum, Total	106	-	80-120	-	20
Antimony, Total	104	-	80-120	-	20
Arsenic, Total	102	-	80-120	-	20
Barium, Total	105	-	80-120	-	20
Beryllium, Total	106	-	80-120	-	20
Boron, Total	100	-	80-120	-	20
Cadmium, Total	104	-	80-120	-	20
Calcium, Total	102	-	80-120	-	20
Chromium, Total	106	-	80-120	-	20
Cobalt, Total	104	-	80-120	-	20
Copper, Total	106	-	80-120	-	20
Iron, Total	106	-	80-120	-	20
Lead, Total	102	-	80-120	-	20
Magnesium, Total	101	-	80-120	-	20
Manganese, Total	105	-	80-120	-	20
Nickel, Total	105	-	80-120	-	20
Potassium, Total	103	-	80-120	-	20
Selenium, Total	101	-	80-120	-	20
Silver, Total	103	-	80-120	-	20
Sodium, Total	105	-	80-120	-	20
Thallium, Total	102	-	80-120	-	20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 25K1213
Project Number: 25K1213

Lab Number: L2574898
Report Date: 12/01/25

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-14 Batch: WG2146092-2					
Vanadium, Total	108	-	80-120	-	20
Zinc, Total	105	-	80-120	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-14 Batch: WG2146094-2					
Mercury, Total	96	-	80-120	-	20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 25K1213
Project Number: 25K1213

Lab Number: L2574898
Report Date: 12/01/25

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 15-16 Batch: WG2146097-2					
Aluminum, Total	92	-	80-120	-	20
Antimony, Total	95	-	80-120	-	20
Arsenic, Total	94	-	80-120	-	20
Barium, Total	89	-	80-120	-	20
Beryllium, Total	91	-	80-120	-	20
Boron, Total	96	-	80-120	-	20
Cadmium, Total	93	-	80-120	-	20
Calcium, Total	99	-	80-120	-	20
Chromium, Total	88	-	80-120	-	20
Cobalt, Total	88	-	80-120	-	20
Copper, Total	90	-	80-120	-	20
Iron, Total	90	-	80-120	-	20
Lead, Total	97	-	80-120	-	20
Magnesium, Total	95	-	80-120	-	20
Manganese, Total	90	-	80-120	-	20
Nickel, Total	90	-	80-120	-	20
Potassium, Total	102	-	80-120	-	20
Selenium, Total	97	-	80-120	-	20
Silver, Total	88	-	80-120	-	20
Sodium, Total	100	-	80-120	-	20
Thallium, Total	99	-	80-120	-	20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 25K1213
Project Number: 25K1213

Lab Number: L2574898
Report Date: 12/01/25

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 15-16 Batch: WG2146097-2					
Vanadium, Total	91	-	80-120	-	20
Zinc, Total	88	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 25K1213
Project Number: 25K1213

Lab Number: L2574898
Report Date: 12/01/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-14	QC Batch ID: WG2146092-3			WG2146092-4		QC Sample: L2574898-13			Client ID: B-2 (0-2IN)			
Aluminum, Total	5900	181	6480	**321**	Q	6490	**328**	Q	75-125	0		20
Antimony, Total	ND	45.2	21.0	**46**	Q	20.3	**45**	Q	75-125	3		20
Arsenic, Total	7.28	10.8	16.9	89		16.9	89		75-125	0		20
Barium, Total	78.2	181	268	105		265	104		75-125	1		20
Beryllium, Total	0.423J	4.52	5.24	116		5.17	115		75-125	1		20
Boron, Total	7.11	90.4	91.5	93		90.8	93		75-125	1		20
Cadmium, Total	0.819J	4.79	5.76	120		5.67	119		75-125	2		20
Calcium, Total	2960	904	4750	**198**	Q	6540	**398**	Q	75-125	**32**	Q	20
Chromium, Total	8.77	18.1	27.9	106		28.4	109		75-125	2		20
Cobalt, Total	8.07	45.2	54.0	102		53.1	100		75-125	2		20
Copper, Total	15.7	22.6	40.7	110		40.4	110		75-125	1		20
Iron, Total	13800	90.4	14600	**884**	Q	14400	**667**	Q	75-125	1		20
Lead, Total	68.1	47.9	118	104		117	102		75-125	1		20
Magnesium, Total	2230	904	3280	116		3250	113		75-125	1		20
Manganese, Total	458	45.2	530	**159**	Q	521	**140**	Q	75-125	2		20
Nickel, Total	15.7	45.2	62.8	104		67.0	114		75-125	6		20
Potassium, Total	640	904	1460	91		1470	92		75-125	1		20
Selenium, Total	0.533J	10.8	11.2	103		10.8	100		75-125	4		20
Silver, Total	ND	4.52	4.80	106		4.79	106		75-125	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 25K1213
Project Number: 25K1213

Lab Number: L2574898
Report Date: 12/01/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-14	QC Batch ID: WG2146092-3					WG2146092-4	QC Sample: L2574898-13			Client ID: B-2 (0-2IN)		
Sodium, Total	ND	904	964	106		961	107		75-125	0		20
Thallium, Total	ND	10.8	10.4	96		10.5	97		75-125	1		20
Vanadium, Total	8.31	45.2	56.8	107		56.1	106		75-125	1		20
Zinc, Total	79.4	45.2	130	112		129	110		75-125	1		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 25K1213
Project Number: 25K1213

Lab Number: L2574898
Report Date: 12/01/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-14	QC Batch ID: WG2146092-7			WG2146092-8		QC Sample: L2574898-14			Client ID: B-2 (2-12IN)			
Aluminum, Total	6790	187	7080	**155**	Q	7140	**188**	Q	75-125	1		20
Antimony, Total	ND	46.7	20.0	**43**	Q	21.0	**45**	Q	75-125	5		20
Arsenic, Total	7.82	11.2	18.0	91		17.3	85		75-125	4		20
Barium, Total	87.3	187	278	102		277	102		75-125	0		20
Beryllium, Total	0.479	4.67	5.36	104		5.30	104		75-125	1		20
Boron, Total	6.50	93.5	92.9	92		91.7	92		75-125	1		20
Cadmium, Total	0.907J	4.95	5.93	120		5.89	120		75-125	1		20
Calcium, Total	3610	935	4480	93		4660	113		75-125	4		20
Chromium, Total	10.1	18.7	29.2	102		29.0	102		75-125	1		20
Cobalt, Total	9.25	46.7	55.8	100		55.5	100		75-125	1		20
Copper, Total	17.8	23.4	42.6	106		43.0	108		75-125	1		20
Iron, Total	15600	93.5	15700	107		15600	**0**	Q	75-125	1		20
Lead, Total	74.5	49.5	127	106		131	115		75-125	3		20
Magnesium, Total	2580	935	3500	98		3510	100		75-125	0		20
Manganese, Total	522	46.7	564	90		574	112		75-125	2		20
Nickel, Total	18.2	46.7	65.3	101		64.9	100		75-125	1		20
Potassium, Total	635	935	1480	90		1490	92		75-125	1		20
Selenium, Total	0.444J	11.2	11.2	100		11.0	99		75-125	2		20
Silver, Total	ND	4.67	4.95	106		4.93	106		75-125	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 25K1213
Project Number: 25K1213

Lab Number: L2574898
Report Date: 12/01/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-14 QC Batch ID: WG2146092-7 WG2146092-8 QC Sample: L2574898-14 Client ID: B-2 (2-12IN)												
Sodium, Total	ND	935	989	106		984	106		75-125	1		20
Thallium, Total	ND	11.2	10.9	97		11.1	100		75-125	2		20
Vanadium, Total	9.50	46.7	58.6	105		58.3	105		75-125	1		20
Zinc, Total	90.3	46.7	138	102		138	103		75-125	0		20
Total Metals - Mansfield Lab Associated sample(s): 01-14 QC Batch ID: WG2146094-3 WG2146094-4 QC Sample: L2574898-13 Client ID: B-2 (0-2IN)												
Mercury, Total	0.099	1.56	1.60	96		1.61	96		80-120	1		20
Total Metals - Mansfield Lab Associated sample(s): 01-14 QC Batch ID: WG2146094-5 WG2146094-6 QC Sample: L2574898-14 Client ID: B-2 (2-12IN)												
Mercury, Total	0.101	1.67	1.77	100		1.51	92		80-120	16		20

Project Name: 25K1213
Project Number: 25K1213

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2574898
Report Date: 12/01/25

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-14 QC Batch ID: WG2146092-10 QC Sample: L2574898-14 Client ID: B-2 (2-12IN)						
Aluminum, Total	6790	6540	mg/kg	4		20
Barium, Total	87.3	83.7	mg/kg	4		20
Calcium, Total	3610	3470	mg/kg	4		20
Iron, Total	15600	15400	mg/kg	1		20
Magnesium, Total	2580	2530	mg/kg	2		20
Manganese, Total	522	510	mg/kg	2		20
Total Metals - Mansfield Lab Associated sample(s): 01-14 QC Batch ID: WG2146092-6 QC Sample: L2574898-13 Client ID: B-2 (0-2IN)						
Aluminum, Total	5900	5690	mg/kg	4		20
Barium, Total	78.2	75.1	mg/kg	4		20
Calcium, Total	2960	2850	mg/kg	4		20
Iron, Total	13800	13600	mg/kg	1		20
Magnesium, Total	2230	2250	mg/kg	1		20
Manganese, Total	458	447	mg/kg	2		20

INORGANICS
&
MISCELLANEOUS

Project Name: 25K1213 **Lab Number:** L2574898

Project Number: 25K1213 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2574898-01 Date Collected: 11/17/25 13:10

Client ID: C-2 (0-2IN) Date Received: 11/21/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.9		%	0.100	NA	1	-		121,2540G	

Project Name: 25K1213 **Lab Number:** L2574898

Project Number: 25K1213 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2574898-02 Date Collected: 11/17/25 13:15

Client ID: C-2 (2-12IN) Date Received: 11/21/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.2		%	0.100	NA	1	-		121,2540G	

Project Name: 25K1213
Project Number: 25K1213

Lab Number: L2574898
Report Date: 12/01/25

SAMPLE RESULTS

Lab ID: L2574898-03
Client ID: C-3 (0-2IN)
Sample Location: Not Specified

Date Collected: 11/17/25 14:00
Date Received: 11/21/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.5		%	0.100	NA	1	-		121,2540G	

Project Name: 25K1213 **Lab Number:** L2574898

Project Number: 25K1213 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2574898-04 Date Collected: 11/17/25 14:05

Client ID: C-3 (2-12IN) Date Received: 11/21/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.7		%	0.100	NA	1	-		121,2540G	

Project Name: 25K1213 **Lab Number:** L2574898

Project Number: 25K1213 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2574898-05 Date Collected: 11/17/25 09:50

Client ID: E-4 (0-2IN) Date Received: 11/21/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.1		%	0.100	NA	1	-		121,2540G	

Project Name: 25K1213
Project Number: 25K1213

Lab Number: L2574898
Report Date: 12/01/25

SAMPLE RESULTS

Lab ID: L2574898-06
Client ID: E-4 (2-12IN)
Sample Location: Not Specified

Date Collected: 11/17/25 09:55
Date Received: 11/21/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.9		%	0.100	NA	1	-		121,2540G	

Project Name: 25K1213 **Lab Number:** L2574898

Project Number: 25K1213 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2574898-07 Date Collected: 11/17/25 10:10

Client ID: E-1 (0-2IN) Date Received: 11/21/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.1		%	0.100	NA	1	-		121,2540G	

Project Name: 25K1213 **Lab Number:** L2574898

Project Number: 25K1213 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2574898-08 Date Collected: 11/17/25 10:30

Client ID: E-1 (2-12IN) Date Received: 11/21/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.8		%	0.100	NA	1	-		121,2540G	

Project Name: 25K1213
Project Number: 25K1213

Lab Number: L2574898
Report Date: 12/01/25

SAMPLE RESULTS

Lab ID: L2574898-09
Client ID: C-1 (0-2IN)
Sample Location: Not Specified

Date Collected: 11/17/25 11:25
Date Received: 11/21/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.9		%	0.100	NA	1	-		121,2540G	

Project Name: 25K1213 **Lab Number:** L2574898

Project Number: 25K1213 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2574898-10 Date Collected: 11/17/25 11:30

Client ID: C-1 (2-12IN) Date Received: 11/21/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.9		%	0.100	NA	1	-		121,2540G	

Project Name: 25K1213 **Lab Number:** L2574898

Project Number: 25K1213 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2574898-11 Date Collected: 11/17/25 11:45

Client ID: B-1 (0-2IN) Date Received: 11/21/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.3		%	0.100	NA	1	-		121,2540G	

Project Name: 25K1213 **Lab Number:** L2574898

Project Number: 25K1213 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2574898-12 Date Collected: 11/17/25 11:50

Client ID: B-1 (2-12IN) Date Received: 11/21/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.6		%	0.100	NA	1	-		121,2540G	

Project Name: 25K1213
Project Number: 25K1213

Lab Number: L2574898
Report Date: 12/01/25

SAMPLE RESULTS

Lab ID: L2574898-13
Client ID: B-2 (0-2IN)
Sample Location: Not Specified

Date Collected: 11/17/25 12:35
Date Received: 11/21/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.7		%	0.100	NA	1	-		121,2540G	

Project Name: 25K1213 **Lab Number:** L2574898

Project Number: 25K1213 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2574898-14 Date Collected: 11/17/25 12:40

Client ID: B-2 (2-12IN) Date Received: 11/21/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.2		%	0.100	NA	1	-		121,2540G	

Project Name: 25K1213 **Lab Number:** L2574898

Project Number: 25K1213 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2574898-15 Date Collected: 11/17/25 00:00

Client ID: DUP-1 Date Received: 11/21/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.1		%	0.100	NA	1	-		121,2540G	

Project Name: 25K1213 **Lab Number:** L2574898

Project Number: 25K1213 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2574898-16 Date Collected: 11/17/25 00:00

Client ID: DUP-2 Date Received: 11/21/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.3		%	0.100	NA	1	-		121,2540G	

Project Name: 25K1213
Project Number: 25K1213

Lab Number: L2574898
Report Date: 12/01/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2574898-01A	Metals Only-Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),B-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),SE-TI(180),SB-TI(180),PB-TI(180),CU-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),HG-T(28),MN-TI(180),FE-TI(180),MG-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2574898-02A	Metals Only-Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),B-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MG-TI(180),MN-TI(180),HG-T(28),FE-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2574898-03A	Metals Only-Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),B-TI(180),NI-TI(180),CR-TI(180),CU-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),CD-TI(180),CA-TI(180),K-TI(180),NA-TI(180)
L2574898-04A	Metals Only-Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),B-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),SB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180)

*Values in parentheses indicate holding time in days

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Project Name: 25K1213
Project Number: 25K1213

Lab Number: L2574898
Report Date: 12/01/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2574898-05A	Metals Only-Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),B-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),ZN-TI(180),SE-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),CD-TI(180),CA-TI(180),NA-TI(180),K-TI(180)
L2574898-06A	Metals Only-Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),B-TI(180),CR-TI(180),NI-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),PB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MN-TI(180),MG-TI(180),CA-TI(180),NA-TI(180),CD-TI(180),K-TI(180)
L2574898-07A	Metals Only-Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),B-TI(180),AL-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L2574898-08A	Metals Only-Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),B-TI(180),CR-TI(180),TL-TI(180),PB-TI(180),CU-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MN-TI(180),HG-T(28),MG-TI(180),FE-TI(180),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180)
L2574898-09A	Metals Only-Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),B-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),CO-TI(180),V-TI(180),MN-TI(180),FE-TI(180),MG-TI(180),HG-T(28),NA-TI(180),CD-TI(180),CA-TI(180),K-TI(180)

*Values in parentheses indicate holding time in days

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Project Name: 25K1213
Project Number: 25K1213

Lab Number: L2574898
Report Date: 12/01/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2574898-10A	Metals Only-Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),B-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),PB-TI(180),SE-TI(180),SB-TI(180),CU-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),CA-TI(180),NA-TI(180),CD-TI(180),K-TI(180)
L2574898-11A	Metals Only-Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),B-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2574898-12A	Metals Only-Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),B-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),SB-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),HG-T(28),FE-TI(180),MN-TI(180),MG-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2574898-13A	Metals Only-Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),B-TI(180),CR-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2574898-13A1	Metals Only-Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),B-TI(180),CR-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name: 25K1213
Project Number: 25K1213

Lab Number: L2574898
Report Date: 12/01/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2574898-13A2	Metals Only-Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),B-TI(180),CR-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2574898-14A	Metals Only-Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),B-TI(180),TL-TI(180),NI-TI(180),SB-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),NA-TI(180),CD-TI(180),K-TI(180),CA-TI(180)
L2574898-14A1	Metals Only-Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),B-TI(180),TL-TI(180),NI-TI(180),SB-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),NA-TI(180),CD-TI(180),K-TI(180),CA-TI(180)
L2574898-14A2	Metals Only-Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),B-TI(180),TL-TI(180),NI-TI(180),SB-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),NA-TI(180),CD-TI(180),K-TI(180),CA-TI(180)
L2574898-15A	Metals Only-Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),B-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),CO-TI(180),V-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),CD-TI(180),NA-TI(180),K-TI(180),CA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: 25K1213
Project Number: 25K1213

Lab Number: L2574898
Report Date: 12/01/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2574898-16A	Metals Only-Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),B-TI(180),AL-TI(180),TL-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),K-TI(180),NA-TI(180),CD-TI(180),CA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: 25K1213 **Lab Number:** L2574898

Project Number: 25K1213 **Report Date:** 12/01/25

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	25K1213	**Lab Number:**	L2574898
Project Number:	25K1213	**Report Date:**	12/01/25

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were

Report Format: DU Report with 'J' Qualifiers

Project Name: 25K1213 **Lab Number:** L2574898

Project Number: 25K1213 **Report Date:** 12/01/25

Data Qualifiers

estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name: 25K1213 **Lab Number:** L2574898

Project Number: 25K1213 **Report Date:** 12/01/25

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
MADEP-APH.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D.**

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, SM4500CL-G, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT.**

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn**. EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn**. EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Ca, Cr, Cu, Fe, Pb, Mg, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1: Hg. **EPA 245.7:** Hg.
SM2340B

Certification IDs:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
CT PH-0826, IL 200077, IN C-MA-03, KY kY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
MA M-MA00030, CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 85084, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
ANAB/DoD L2474, LA 245052, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.

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SUBCONTRACT CHAIN OF CUSTODY

Pace New England

25K1213

SENDING LABORATORY:

Pace New England
39 Spruce Street
East Longmeadow, MA 01028
Phone: 413.525.2332
Fax: 413.525.6405
Project Manager: Raymond J. McCarthy

RECEIVING LABORATORY:

Pace Analytical Services - Westborough, MA
8 Walkup Drive
Westborough, MA 01581
Phone: (508) 898-9220
Fax: (508) 898-9193

Project Location: New York

Analysis	Sample Name	Due	Expires	Comments
Sample ID: 25K1213-01 C-2 (0-2in)		**Soil**	**Sampled: 11/17/25 13:10**	**CAT B**
SG-TAL 23 Metals 6010 (incl. Hg) Total		12/01/25 14:00	11/24/25 13:10	
S-Metals Digestion		12/01/25 14:00	12/01/25 13:10	
S-Boron 6010 Total		12/01/25 14:00	05/16/26 13:10	
Containers Supplied				
2 oz amber glass jar (B)				
Sample ID: 25K1213-02 C-2 (2-12in)		**Soil**	**Sampled: 11/17/25 13:15**	**CAT B**
SG-TAL 23 Metals 6010 (incl. Hg) Total		12/01/25 14:00	11/24/25 13:15	
S-Metals Digestion		12/01/25 14:00	12/01/25 13:15	
S-Boron 6010 Total		12/01/25 14:00	05/16/26 13:15	
Containers Supplied				
2 oz amber glass jar (B)				
Sample ID: 25K1213-03 C-3 (0-2in)		**Soil**	**Sampled: 11/17/25 14:00**	**CAT B**
SG-TAL 23 Metals 6010 (incl. Hg) Total		12/01/25 14:00	11/24/25 14:00	
S-Metals Digestion		12/01/25 14:00	12/01/25 14:00	
S-Boron 6010 Total		12/01/25 14:00	05/16/26 14:00	
Containers Supplied				
2 oz amber glass jar (B)				
Sample ID: 25K1213-04 C-3 (2-12in)		**Soil**	**Sampled: 11/17/25 14:05**	**CAT B**
SG-TAL 23 Metals 6010 (incl. Hg) Total		12/01/25 14:00	11/24/25 14:05	
S-Boron 6010 Total		12/01/25 14:00	05/16/26 14:05	
S-Metals Digestion		12/01/25 14:00	12/01/25 14:05	
Containers Supplied				
2 oz amber glass jar (B)				

Relinquished By	Date	Received By	Date
	11/21/25 1845		11-21 17-
	11-21 1845		11-21/25-1845

L25 11576

SUBCONTRACT CHAIN OF CUSTODY

Pace New England

25K1213

Analysis	Sample Name	Due	Expires	Comments
Sample ID: 25K1213-05 E-4 (0-2in)		Soil	Sampled: 11/17/25 09:50	CAT B
SG-LAL 23 Metals 6020 (incl. Hg) Total		12/01/25 14:00	11/24/25 09:50	
S-Metals Digestion		12/01/25 14:00	12/01/25 09:50	
S-Boron 6010 Total		12/01/25 14:00	05/16/26 09:50	
Containers Supplied				
2 oz amber glass jar (B)				
Sample ID: 25K1213-06 E-4 (2-12in)		Soil	Sampled: 11/17/25 09:55	CAT B
S-Boron 6010 Total		12/01/25 14:00	05/16/26 09:55	
SG-LAL 23 Metals 6020 (incl. Hg) Total		12/01/25 14:00	11/24/25 09:55	
S-Metals Digestion		12/01/25 14:00	12/01/25 09:55	
Containers Supplied				
2 oz amber glass jar (B)				
Sample ID: 25K1213-07 E-1 (0-2in)		Soil	Sampled: 11/17/25 10:10	CAT B
S-Metals Digestion		12/01/25 14:00	12/01/25 10:10	
SG-LAL 23 Metals 6020 (incl. Hg) Total		12/01/25 14:00	11/24/25 10:10	
S-Boron 6010 Total		12/01/25 14:00	05/16/26 10:10	
Containers Supplied				
2 oz amber glass jar (B)				
Sample ID: 25K1213-08 E-1 (2-12in)		Soil	Sampled: 11/17/25 10:30	CAT B
S-Metals Digestion		12/01/25 14:00	12/01/25 10:30	
S-Boron 6010 Total		12/01/25 14:00	05/16/26 10:30	
SG-LAL 23 Metals 6020 (incl. Hg) Total		12/01/25 14:00	11/24/25 10:30	
Containers Supplied				
2 oz amber glass jar (B)				
Sample ID: 25K1213-09 C-1 (0-2in)		Soil	Sampled: 11/17/25 11:25	CAT B
SG-LAL 23 Metals 6020 (incl. Hg) Total		12/01/25 14:00	11/24/25 11:25	
S-Metals Digestion		12/01/25 14:00	12/01/25 11:25	
S-Boron 6010 Total		12/01/25 14:00	05/16/26 11:25	
Containers Supplied				
2 oz amber glass jar (B)				

Relinquished By	Date	Received By	Date
	11/21/25 1845		11-21 17-
Released By	Date	Received By	Date
	11-21 1845		11-21 25-1845

SUBCONTRACT CHAIN OF CUSTODY

Pace New England

25K1213

Analysis	Sample Name	Due	Expires	Comments
Sample ID: 25K1213-10 C-1 (2-12in)		**Soil**	**Sampled: 11/17/25 11:30**	**CAT B**
S-Boron 6010 Total		12/01/25 14:00	05/16/26 11:30	
S-Metals Digestion		12/01/25 14:00	12/01/25 11:30	
SG-LAL 23 Metals 6010 (incl. Hg) Total		12/01/25 14:00	11/23/25 11:30	
Containers Supplied				
2 oz amber glass jar (B)				
Sample ID: 25K1213-11 B-1 (0-2in)		**Soil**	**Sampled: 11/17/25 11:45**	**CAT B**
S-Metals Digestion		12/01/25 14:00	12/01/25 11:45	
SG-LAL 23 Metals 6010 (incl. Hg) Total		12/01/25 14:00	12/24/25 11:45	
S-Boron 6010 Total		12/01/25 14:00	05/16/26 11:45	
Containers Supplied				
2 oz amber glass jar (B)				
Sample ID: 25K1213-12 B-1 (2-12in)		**Soil**	**Sampled: 11/17/25 11:50**	**CAT B**
S-Metals Digestion		12/01/25 14:00	12/01/25 11:50	
S-Boron 6010 Total		12/01/25 14:00	05/16/26 11:50	
SG-LAL 23 Metals 6010 (incl. Hg) Total		12/01/25 14:00	11/24/25 11:50	
Containers Supplied				
2 oz amber glass jar (B)				
Sample ID: 25K1213-13 B-2 (0-2in)		**Soil**	**Sampled: 11/17/25 12:35**	**CAT B, MS/MSD**
S-MS/MSD Metal(s)		12/01/25 14:00	11/12/26 12:35	
SG-LAL 23 Metals 6010 (incl. Hg) Total		12/01/25 14:00	11/24/25 12:35	
S-Boron 6010 Total		12/01/25 14:00	05/16/26 12:35	
S-Metals Digestion		12/01/25 14:00	12/01/25 12:35	
Containers Supplied				
2 oz amber glass jar (D)	2 oz amber glass jar (E)	2 oz amber glass jar (F)		
Sample ID: 25K1213-14 B-2 (2-12in)		**Soil**	**Sampled: 11/17/25 12:40**	**CAT B, MS/MSD**
SG-LAL 23 Metals 6010 (incl. Hg) Total		12/01/25 14:00	11/24/25 12:40	
S-Metals Digestion		12/01/25 14:00	12/01/25 12:40	
S-MS/MSD Metal(s)		12/01/25 14:00	11/12/26 12:40	
S-Boron 6010 Total		12/01/25 14:00	05/16/26 12:40	
Containers Supplied				
2 oz amber glass jar (D)	2 oz amber glass jar (E)	2 oz amber glass jar (F)		

Released By	Date	Received By	Date
Released By	Date	Received By	Date 11-21 25-1845

L957418818

SUBCONTRACT CHAIN OF CUSTODY

Pace New England

25K1213

Analysis	Sample Name	Due	Expires	Comments
Sample ID: 25K1213-15 Dup-1		**Soil**	**Sampled: 11/17/25 00:00**	**CAT B**
SG-TAL 23 Metals 6010 (excl. Hg) Total		12/01/25 14:00	11/24/25 00:00	
S-Metals Digestion		12/01/25 14:00	12/01/25 00:00	
S-Barium 6010 Total		12/01/25 14:00	05/16/26 00:00	
Containers Supplied				
2 oz amber glass jar (B)				
Sample ID: 25K1213-16 Dup-2		**Soil**	**Sampled: 11/17/25 00:00**	**CAT B**
SG-TAL 23 Metals 6010 (excl. Hg) Total		12/01/25 14:00	11/24/25 00:00	
S-Metals Digestion		12/01/25 14:00	12/01/25 00:00	
S-Barium 6010 Total		12/01/25 14:00	05/16/26 00:00	
Containers Supplied				
2 oz amber glass jar (B)				

Relinquished By	11/21/25 1400 Date	Received By	11/21/25 17:00 Date
Relinquished By	11-21-25 1815 Date	Received By	11-21-25 1845 Date

Pace Analytical

Phone 413-525-2332
39 Spruce St
East Longmeadow, MA 01028

Doc # 380 Rev 1 05-Apr-17

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Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name: NYS DEC Consultant:
Consultant Address:
Consultant Phone:
Callout Project Name:
Project Location:
Callout Number:
Site/Spill Number:
Project Manager:
Pace Analytical Quote Name/Number:
Invoice Recipient:
Sampled By:

DEC Standard 30-calendar day
Due Date: RUSH 5 DAY

1-Day 2-Day 3-Day
4 Day 5 Day 10-Day

Format: PDF EXCEL
Other:
CLP Like (Level 4) Data Pkg Required:
Email To:
Fax To #:

# of Containers
Preservation Code
Container Code

Field Filtered
Lab to Filter

Field Filtered
Lab to Filter

ANALYSIS REQUESTED (Circle Requested Analyses/Reporting Limits)

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	8260: 8260 TCL / Oxygenates (1,4-D)	8270: 8270 TCL	1,4-Dioxane SIM	8082 PCBs	8081 Pesticide	8151 Herbicide	TAL Total Metals	TCLP RCRA 8 Metals	PFAS 1633	PFAS 537 ID

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SI = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I - Iced
H = HCL
M = Methanol
N - Nitric Acid
S - Sulfuric Acid
B - Sodium Bisulfate
X = Sodium Hydroxide
T - Sodium Thiosulfate
O - Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S - Summa Canister
T - Tedlar Bag
O - Other (please define)

	Date/Time
Relinquished by: (signature)	
Received by: (signature)	11/19/25 11:25
Relinquished by: (signature)	11/19/25 11:25
Received by: (signature)	11/19/25 11:25
Relinquished by: (signature)	11/23/25
Received by: (signature)	

AWQ STDS
NYC Sewer Discharge
Part 360 GW (Landfill)
NY Restricted Use
NY Unrestricted Use
NY Part 375
NY TOGS
NY CP-51

Enhanced Data Package
NYSDEC EQuIS EDD
EQuIS (Standard) EDD
NY Regulatory EDD
NY Regs Hits-Only EDD

Project Entity
Governmental
Federal
City
Municipality
Brownfield
MWRA
School
MBTA
WMA

Other
Chromatogram
AIHA LAP,LLC

PCB ONLY
Soxhlet
Non Soxhlet

Pace Analytical
Phone: 413-525-2332
39 Spruce St
East Longmeadow, MA 01028

Doc # 360 Rev 1_03242017

Page 2 of 4

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name: NYSDEC | Consultant:
Consultant Address:
Consultant Phone:
Callout Project Name:
Project Location:
Callout Number:
Site/Spill Number:
Project Manager:
Pace Analytical: Quote Name/Number:
Invoice Recipient:
Sampled By:

DEC Standard 30 calendar day
Due Date: 4 HR TAT

1-Day ☐ 2-Day ☐ 3-Day ☐
4-Day ☐ 5-Day ☐ 10-Day ☑

Format: PDF ☐ EXCEL ☑
Other:
ASP Like (Level 4) Data Pkg Required: ☐
Email To:
Fax To #:

ANALYSIS REQUESTED (Circle Requested Analyses/Reporting List)

Pace Analytical Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	8260: DER TCL / Oxygenates / CP-51	8270: DER TCL / CP-51	1,4-Dioxane SIM	8082 PCBs	8081 Pesticide	8151 Herbicide	TAL Total Metals	TCLP RCRA 8 Metals	PFAS 1633	PFAS 537 ID	# of Containers	Preservation Code	Container Code	Field Filtered	Lab to Filter
1	C-1 (2-4')	11/7/25	1010		X	S	U															
2	C-2 (2-4')	11/7/25	1030		X	S	U															
3	C-3 (2-4')	11/7/25	1135		X	S	U															
4	C-4 (2-4')	11/7/25	1130		X	S	U															
5	B-1 (2-4')	11/7/25	1145		X	S	U															
6	B-2 (2-4')	11/7/25	1150		X	S	U															
7	B-3 (0-2')	11/7/25	1215		X	S	U	3					3			3						
8	B-3 (2-4')	11/7/25	1220		X	S	U	3					3			3						
9	DUP-1	—	—		X	S	U															
10	DUP-2	—	—		X	S	U															

Comments:
Soil to rock

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H - HCL
M - Methanol
N - Nitric Acid
S - Sulfuric Acid
B - Sodium Bisulfate
X - Sodium Hydroxide
T - Sodium Thiosulfate
O - Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

	Date/Time:
Relinquished by: (signature)	11/19/25 11:25
Received by: (signature) Jocelyn Flory (PACE)	11/19/25 11:25
Relinquished by: (signature) Jocelyn Flory (PACE)	11/19/25 11:25
Received by: (signature) Buffalo Source Center	11/19/25 11:25
Relinquished by: (signature)	
Received by: (signature)	

AWQ STDS ☐ NY TOGS ☐
NYC Sewer Discharge ☐ NY CP-51 ☐
Part 360 GW (Landfill) ☐
NY Restricted Use ☐
NY Unrestricted Use ☒
NY Part 375 ☐

Enhanced Data Package ☐
NYSDEC EQuIS EDD ☐
EQuIS (Standard) EDD ☐
NY Regulatory EDD ☐
NY Regs Hits-Only EDD ☐

Project Entity
Government ☑ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21-J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

Other
Chromatogram ☐
AIHA-LAP, LLC ☐

PCB ONLY
Soxhlet ☐
Non Soxhlet ☐

Sample Delivery Group Summary

Pace Job Number : L2574898
Received : 21-NOV-2025
Reviewer : Julie Convery

Account Name : Pace New England
Project Number : 25K1213
Project Name : 25K1213

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	4.3	

Condition Information

1) All samples on COC received?	**YES**
2) Extra samples received?	**NO**
3) Are there any sample container discrepancies?	**NO**
4) Are there any discrepancies between COC & sample labels?	**NO**
5) Are samples in appropriate containers for requested analysis?	**YES**
6) Are samples properly preserved for requested analysis?	**YES**
7) Are samples within holding time for requested analysis?	**YES**
8) All sampling equipment returned?	**NA**

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	**NA**

SVOA

SAMPLE DATA

1 - FORM I
ANALYSIS DATA SHEET

C-2 (0-2in)

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-01	File ID:	B25S328030.D
Sampled:	11/17/25 13:10	Prepared:	11/20/25 15:25	Analyzed:	11/24/25 21:00
Solids:	79.86	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.08 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833
Instrument:	GCMSSV2				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol		0.060	0.84	
1912-24-9	Atrazine		0.058	0.84	
100-52-7	Benzaldehyde		0.059	0.42	V-05, L-04, V-34
92-52-4	Biphenyl		0.048	0.084	
105-60-2	Caprolactam		0.073	0.42	
83-32-9	Acenaphthene		0.0046	0.041	
208-96-8	Acenaphthylene		0.0052	0.041	
98-86-2	Acetophenone		0.044	0.42	
62-53-3	Aniline		0.080	0.42	V-34
120-12-7	Anthracene	0.0075	0.0047	0.041	J
56-55-3	Benzo(a)anthracene	0.060	0.0065	0.041	
50-32-8	Benzo(a)pyrene	0.077	0.014	0.041	
205-99-2	Benzo(b)fluoranthene	0.12	0.010	0.041	
191-24-2	Benzo(g,h,i)perylene	0.057	0.016	0.041	
207-08-9	Benzo(k)fluoranthene	0.042	0.0085	0.041	
111-91-1	Bis(2-chloroethoxy)methane		0.043	0.42	
111-44-4	Bis(2-chloroethyl)ether		0.056	0.42	
108-60-1	2,2'-oxybis(1-Chloropropane)		0.17	0.42	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.057	0.42	
101-55-3	4-Bromophenylphenylether		0.037	0.42	
85-68-7	Butylbenzylphthalate		0.048	0.42	
86-74-8	Carbazole		0.044	0.21	
106-47-8	4-Chloroaniline		0.068	0.82	
59-50-7	4-Chloro-3-methylphenol		0.045	0.82	
91-58-7	2-Chloronaphthalene		0.037	0.42	
95-57-8	2-Chlorophenol		0.037	0.42	
7005-72-3	4-Chlorophenylphenylether		0.039	0.42	
218-01-9	Chrysene	0.083	0.0054	0.041	
53-70-3	Dibenz(a,h)anthracene		0.019	0.041	

1 - FORM I
ANALYSIS DATA SHEET

C-2 (0-2in)

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-01	File ID:	B25S328030.D
Sampled:	11/17/25 13:10	Prepared:	11/20/25 15:25	Analyzed:	11/24/25 21:00
Solids:	79.86	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.08 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
132-64-9	Dibenzofuran		0.041	0.42	
84-74-2	Di-n-butylphthalate		0.16	0.42	
91-94-1	3,3-Dichlorobenzidine		0.076	0.21	
120-83-2	2,4-Dichlorophenol		0.040	0.42	
84-66-2	Diethylphthalate		0.041	0.42	
105-67-9	2,4-Dimethylphenol		0.088	0.42	
131-11-3	Dimethylphthalate		0.038	0.42	
534-52-1	4,6-Dinitro-2-methylphenol		0.35	0.42	
51-28-5	2,4-Dinitrophenol		0.40	0.82	V-04, V-06
121-14-2	2,4-Dinitrotoluene		0.10	0.42	
606-20-2	2,6-Dinitrotoluene		0.053	0.42	
117-84-0	Di-n-octylphthalate		0.062	0.42	
206-44-0	Fluoranthene	0.16	0.0059	0.041	
86-73-7	Fluorene		0.0050	0.041	
118-74-1	Hexachlorobenzene		0.043	0.42	
87-68-3	Hexachlorobutadiene		0.044	0.42	
77-47-4	Hexachlorocyclopentadiene		0.21	0.42	
67-72-1	Hexachloroethane		0.038	0.42	
193-39-5	Indeno(1,2,3-cd)pyrene	0.060	0.017	0.041	
78-59-1	Isophorone		0.045	0.42	
90-12-0	1-Methylnaphthalene		0.0052	0.041	
91-57-6	2-Methylnaphthalene		0.0047	0.041	
95-48-7	2-Methylphenol		0.053	0.42	
108-39-4/106-44	3/4-Methylphenol		0.069	0.42	
91-20-3	Naphthalene		0.0060	0.041	
88-74-4	2-Nitroaniline		0.065	0.42	
99-09-2	3-Nitroaniline		0.055	0.42	
100-01-6	4-Nitroaniline		0.060	0.42	
98-95-3	Nitrobenzene		0.048	0.42	

1 - FORM I
ANALYSIS DATA SHEET

C-2 (0-2in)

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-01	File ID:	B25S328030.D
Sampled:	11/17/25 13:10	Prepared:	11/20/25 15:25	Analyzed:	11/24/25 21:00
Solids:	79.86	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.08 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833
				Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
88-75-5	2-Nitrophenol		0.044	0.42	
100-02-7	4-Nitrophenol		0.17	0.82	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.055	0.42	
621-64-7	N-Nitrosodi-n-propylamine		0.052	0.42	
87-86-5	Pentachlorophenol		0.054	0.42	
85-01-8	Phenanthrene	0.060	0.0042	0.041	
108-95-2	Phenol		0.040	0.42	
129-00-0	Pyrene	0.12	0.0071	0.041	
110-86-1	Pyridine		0.054	0.42	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.041	0.42	
95-95-4	2,4,5-Trichlorophenol		0.043	0.42	
88-06-2	2,4,6-Trichlorophenol		0.037	0.42	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328030.D
Acq On : 24 Nov 2025 9:00 pm
Operator : BGL
Sample : 25K1213-01 Inst : GCMSSV2
Misc :
ALS Vial : 30 Sample Multiplier: 1

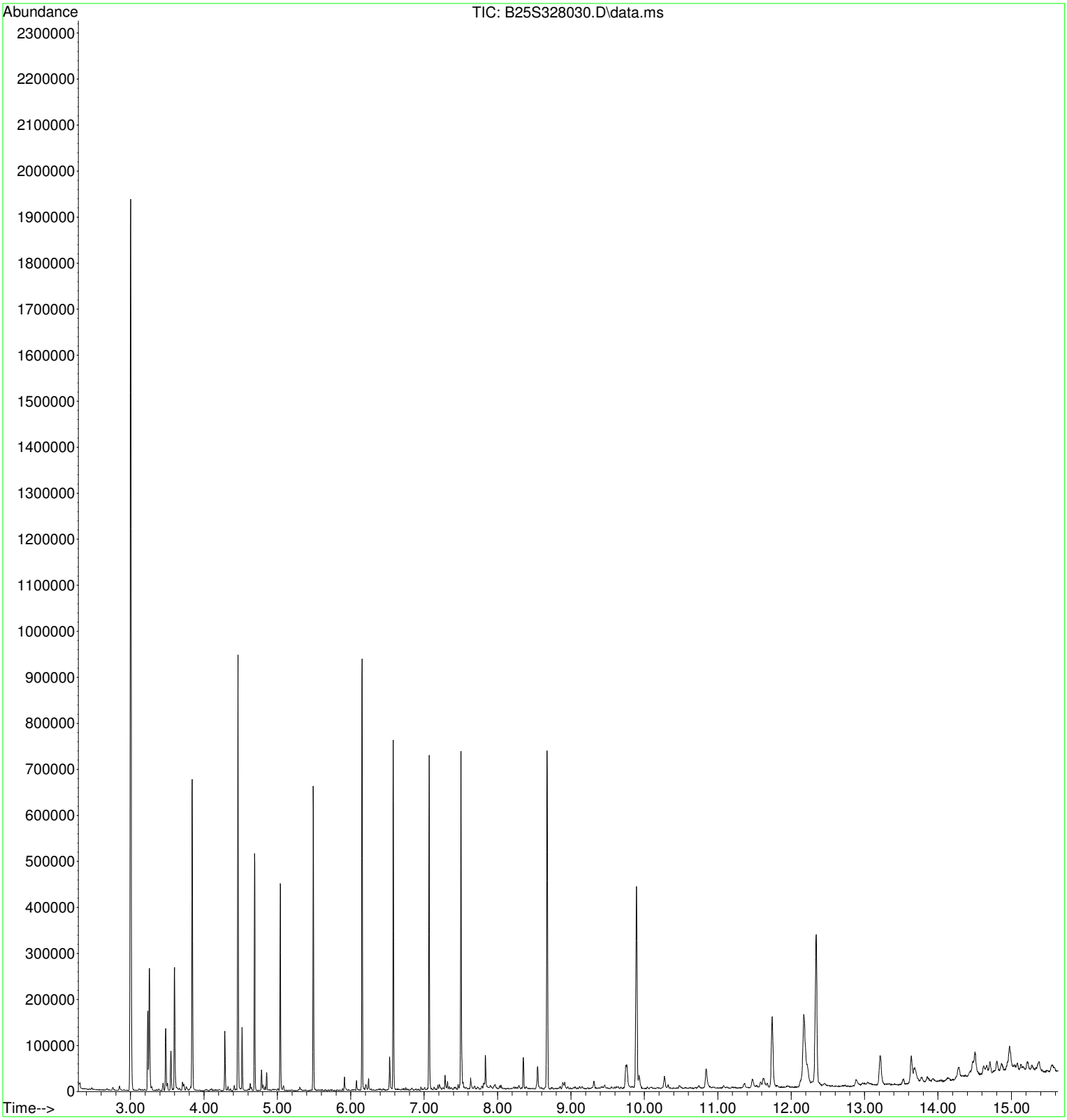
Quant Time: Nov 24 21:16:11 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

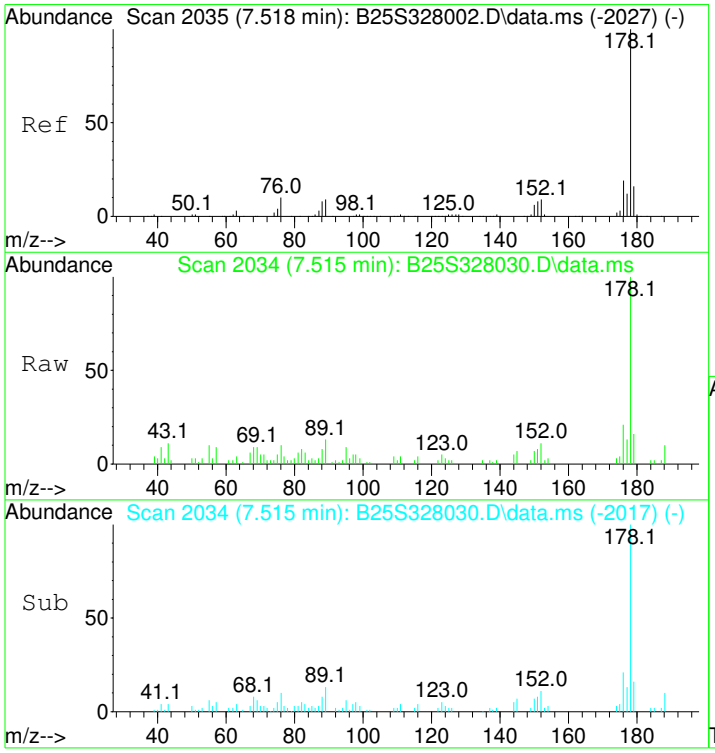
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.692	152	55766	40.00	ug/ml	-0.01
19) NAPHTHALENE-d8	5.489	136	211533	40.00	ug/ml	-0.01
35) ACENAPHTHENE-D10	6.579	164	107297	40.00	ug/ml	-0.01
58) PHENANTHRENE-D10	7.503	188	180338	40.00	ug/ml	-0.01
71) CHRYSENE-D12	9.894	240	176331	40.00	ug/ml	-0.02
80) PERYLENE-D12	12.342	264	185107	40.00	ug/ml	-0.02
88) 1,4-Dichlorobenzene-D4...	4.692	152	55783	40.00	ug/ml	-0.01
92) NAPHTHALENE-d8 (2)	5.489	136	211533	40.00	ug/ml	-0.01
95) ACENAPHTHENE-D10 (2)	6.579	164	107297	40.00	ug/ml	-0.01
System Monitoring Compounds						
2) 2-Fluorophenol	3.841	112	142732	91.61	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 45.81%			
3) Phenol-d6	4.463	99	243736	94.88	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 47.44%			
20) Nitrobenzene-d5	5.039	82	102265	48.58	ug/ml	-0.02
Spiked Amount 100.000	Range 30 - 130		Recovery = 48.58%			
36) 2-Fluorobiphenyl	6.155	172	194179	54.82	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 54.82%			
37) 2,4,6-Tribromophenol	7.068	330	52352	109.86	ug/ml	-0.01
Spiked Amount 200.000	Range 30 - 130		Recovery = 54.93%			
72) p-Terphenyl-d14	8.675	244	198446	54.34	ug/ml	-0.02
Spiked Amount 100.000	Range 30 - 130		Recovery = 54.34%			
Target Compounds						Qvalue
66) Phenanthrene	7.515	178	8098	1.44	ug/ml	96
67) Anthracene	7.546	178	1018	0.18	ug/ml	87
68) Carbazole	7.647	167	1367	0.26	ug/ml	91
70) Flouranthene	8.351	202	21540	3.87	ug/ml	97
74) Pyrene	8.547	202	18031	2.79	ug/ml	96
77) Benzo(a)anthracene	9.879	228	8576	1.44	ug/ml	93
78) Chrysene	9.928	228	11715	1.99	ug/ml	93
79) Bis(2-ethylhexyl)phtha...	9.951	149	1460	0.54	ug/ml	97
82) Benzo(b)fluoranthene	11.622	252	16379m	2.88	ug/ml	
83) Benzo(k)fluoranthene	11.676	252	5661	1.00	ug/ml	89
84) Benzo(a)pyrene	12.229	252	9728	1.85	ug/ml	91
85) Indeno(1,2,3-cd)pyrene	14.294	276	6766	1.44	ug/ml	87
86) Dibenz(a,h)anthracene	14.340	278	1501m	0.30	ug/ml	
87) Benzo(g,h,i)perylene	14.664	276	7054	1.36	ug/ml	91
90) Benzaldehyde	4.414	106	1481	0.80	ug/ml	88

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

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328030.D
Acq On : 24 Nov 2025 9:00 pm
Operator : BGL
Sample : 25K1213-01 Inst : GCMSSV2
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Nov 24 21:16:11 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

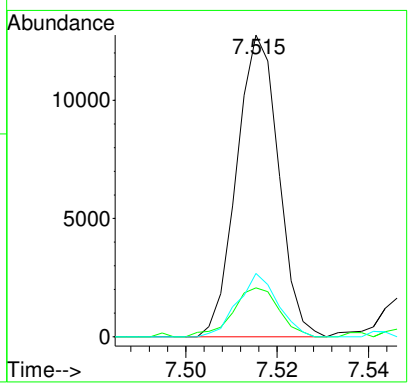


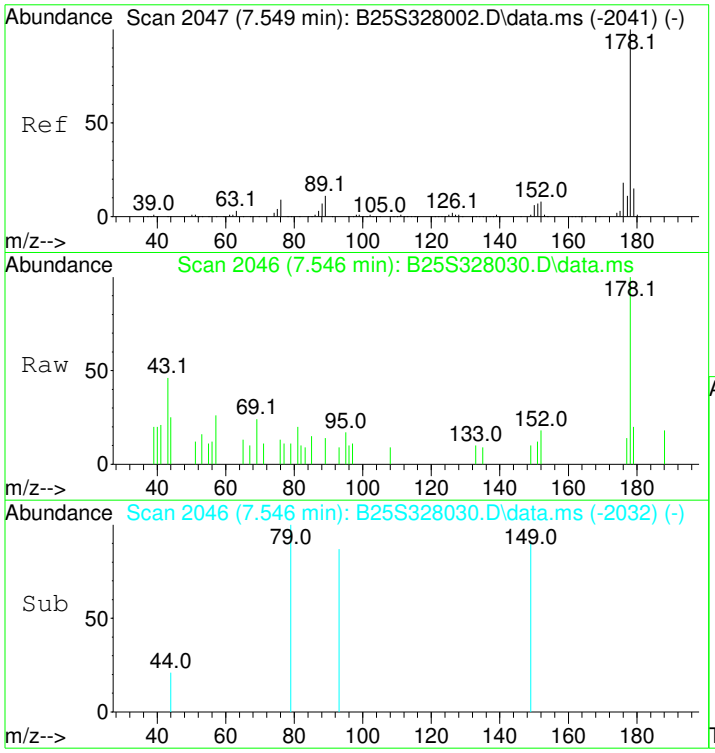


#66
Phenanthrene
Concen: 1.44 ug/ml
RT: 7.515 min Scan# 2034
Delta R.T. -0.013 min
Lab File: B25S328030.D
Acq: 24 Nov 2025 9:00 pm

Tgt Ion:178 Resp: 8098

Ion	Ratio	Lower	Upper
178	100		
179	18.0	0.0	35.5
176	20.0	0.0	39.0

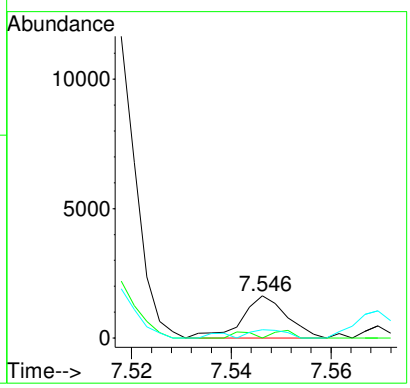


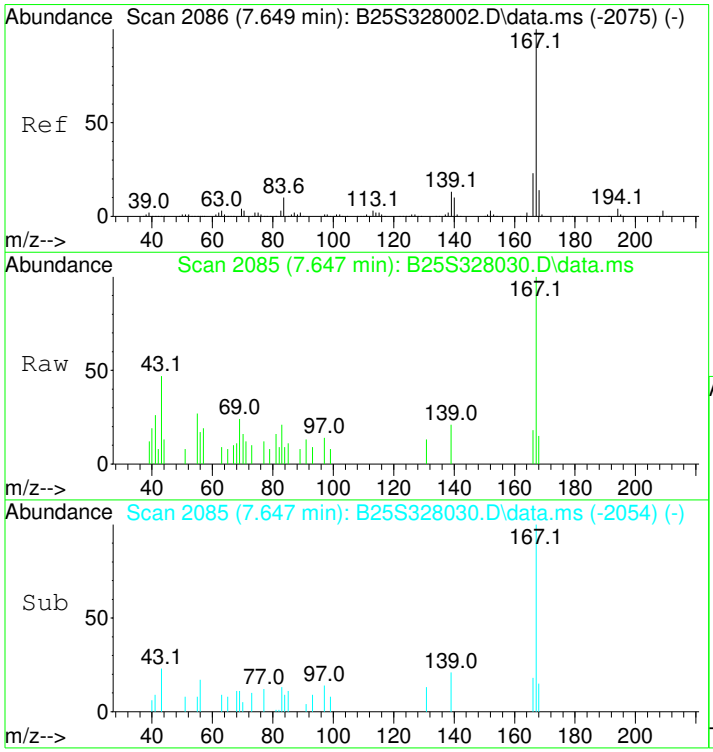


#67
Anthracene
Concen: 0.18 ug/ml
RT: 7.546 min Scan# 2046
Delta R.T. -0.015 min
Lab File: B25S328030.D
Acq: 24 Nov 2025 9:00 pm

Tgt Ion:178 Resp: 1018

Ion	Ratio	Lower	Upper
178	100		
176	7.9	0.0	38.3
179	16.0	0.0	35.5

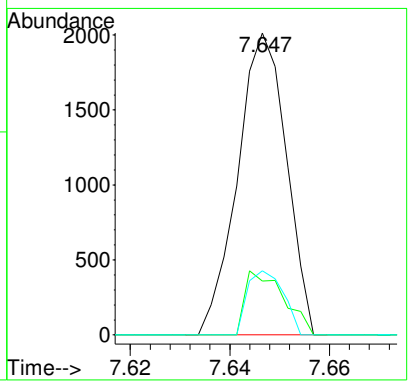


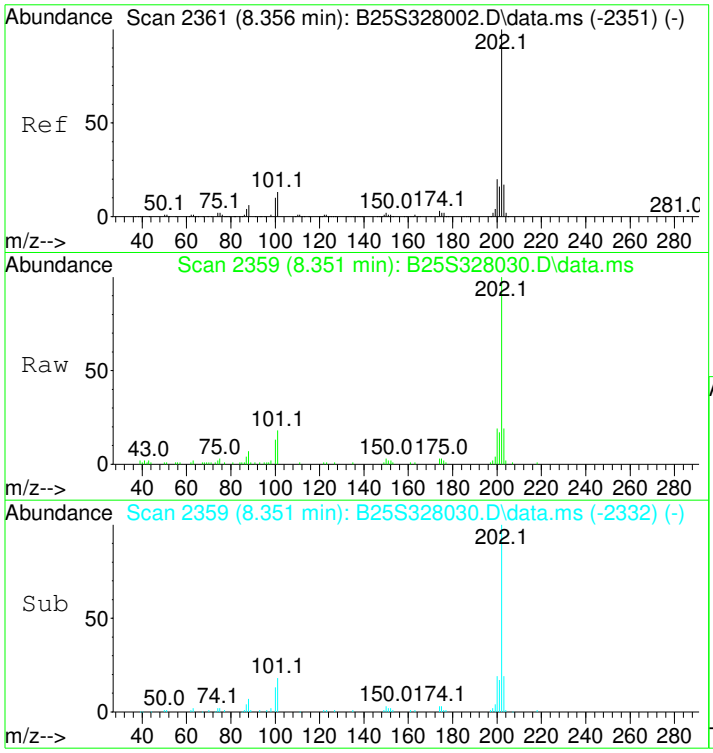


#68
Carbazole
Concen: 0.26 ug/ml
RT: 7.647 min Scan# 2085
Delta R.T. -0.010 min
Lab File: B25S328030.D
Acq: 24 Nov 2025 9:00 pm

Tgt Ion:167 Resp: 1367

Ion	Ratio	Lower	Upper
167	100		
166	16.8	1.9	41.9
139	15.7	0.0	33.5

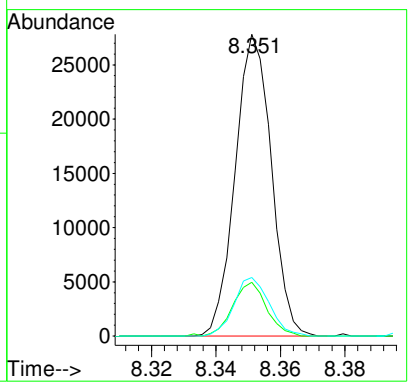


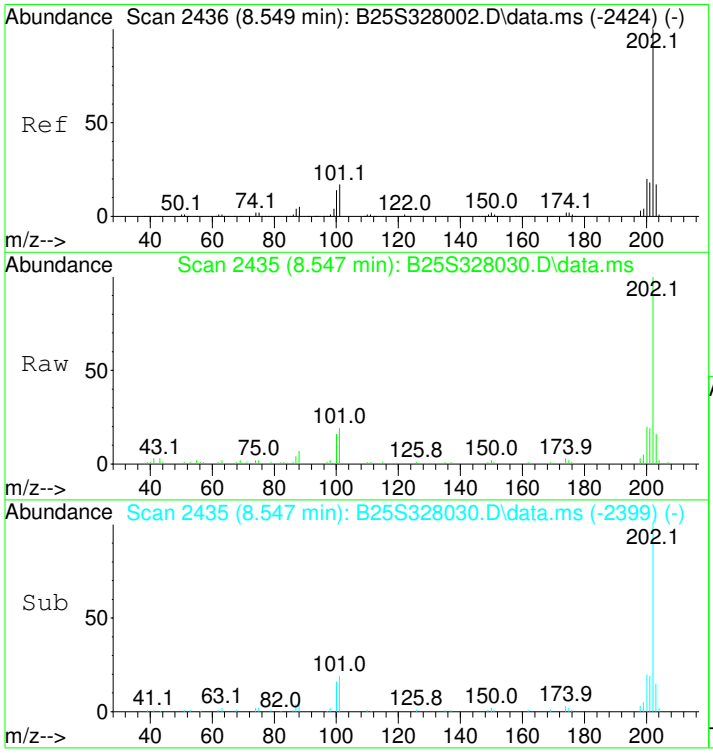


#70
Flouranthene
Concen: 3.87 ug/ml
RT: 8.351 min Scan# 2359
Delta R.T. -0.015 min
Lab File: B25S328030.D
Acq: 24 Nov 2025 9:00 pm

Tgt Ion:202 Resp: 21540

Ion	Ratio	Lower	Upper
202	100		
101	16.9	0.0	36.2
203	19.0	0.0	37.5

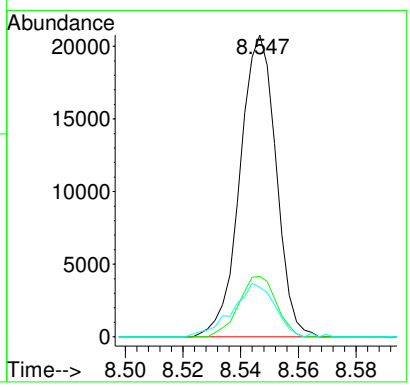


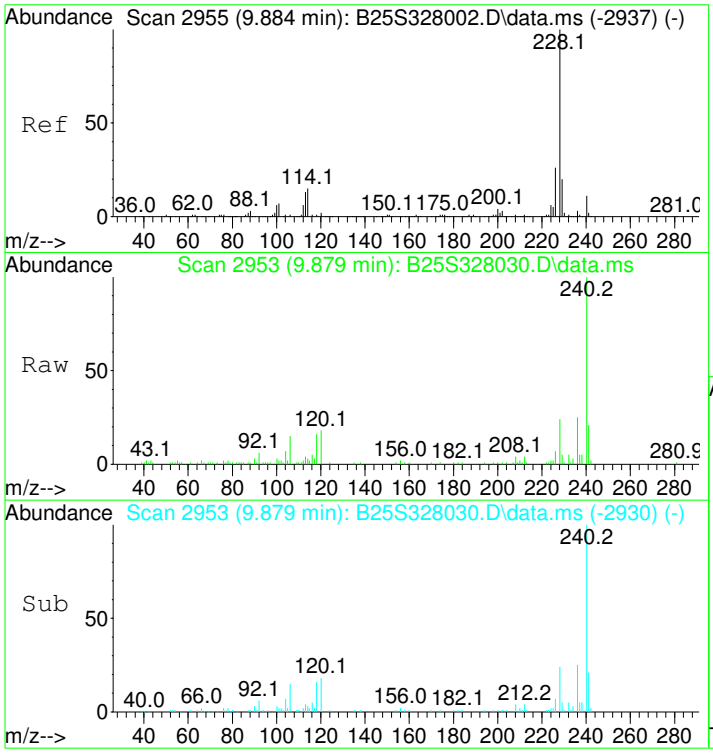


#74
Pyrene
Concen: 2.79 ug/ml
RT: 8.547 min Scan# 2435
Delta R.T. -0.015 min
Lab File: B25S328030.D
Acq: 24 Nov 2025 9:00 pm

Tgt Ion:202 Resp: 18031

Ion	Ratio	Lower	Upper
202	100		
200	20.8	0.1	40.1
203	20.7	0.0	38.1

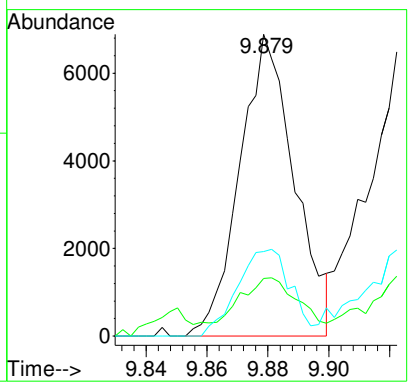


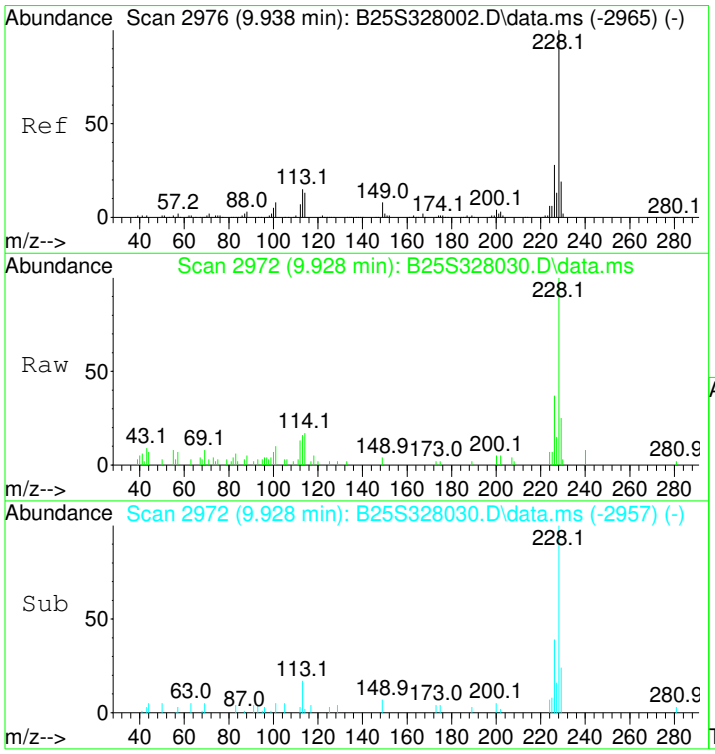


#77
Benzo(a)anthracene
Concen: 1.44 ug/ml
RT: 9.879 min Scan# 2953
Delta R.T. -0.023 min
Lab File: B25S328030.D
Acq: 24 Nov 2025 9:00 pm

Tgt Ion:228 Resp: 8576

Ion	Ratio	Lower	Upper
228	100		
229	23.1	0.0	38.9
226	27.9	4.9	44.9

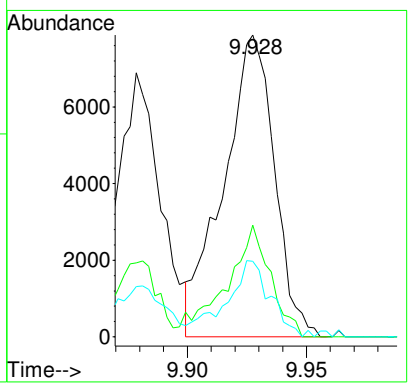


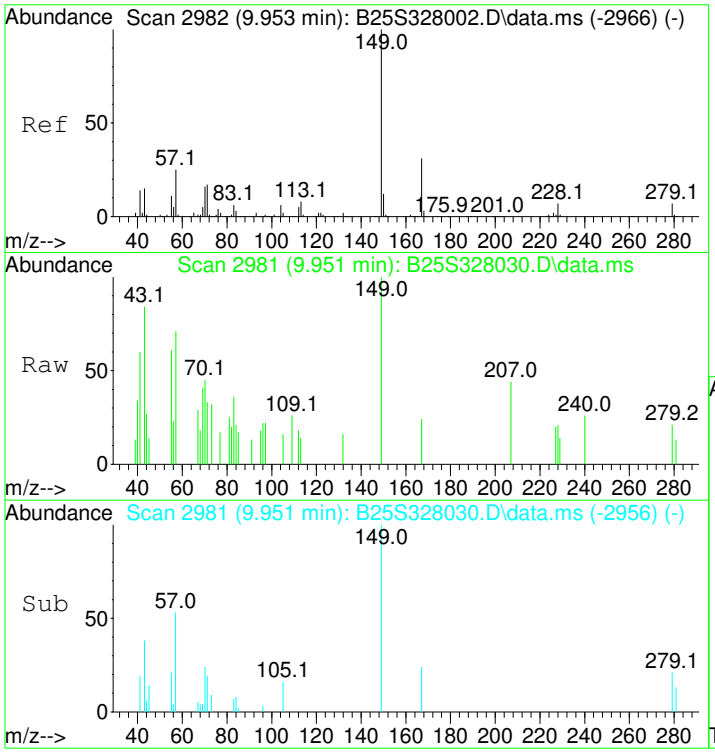


#78
Chrysene
Concen: 1.99 ug/ml
RT: 9.928 min Scan# 2972
Delta R.T. -0.026 min
Lab File: B25S328030.D
Acq: 24 Nov 2025 9:00 pm

Tgt Ion:228 Resp: 11715

Ion	Ratio	Lower	Upper
228	100		
226	32.3	8.1	48.1
229	21.7	0.0	38.9

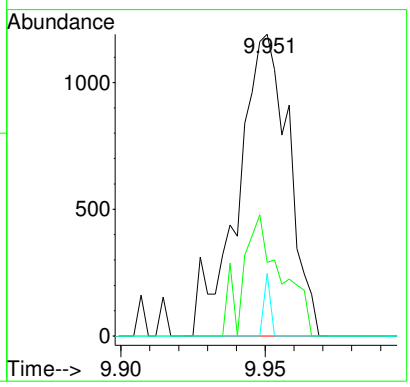


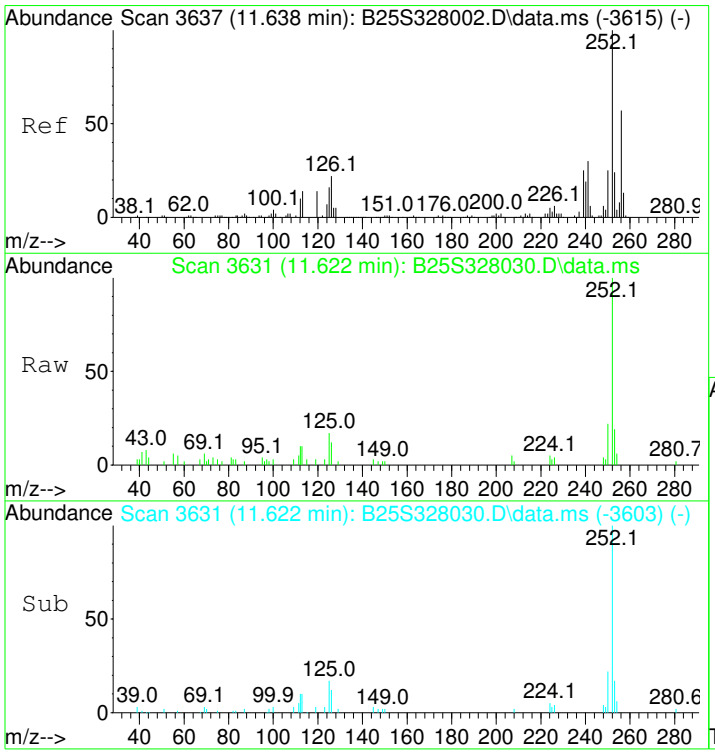


#79
Bis(2-ethylhexyl)phthalate
Concen: 0.54 ug/ml
RT: 9.951 min Scan# 2981
Delta R.T. -0.026 min
Lab File: B25S328030.D
Acq: 24 Nov 2025 9:00 pm

Tgt Ion:149 Resp: 1460

Ion	Ratio	Lower	Upper
149	100		
167	30.5	10.2	50.2
279	2.6	0.0	27.3

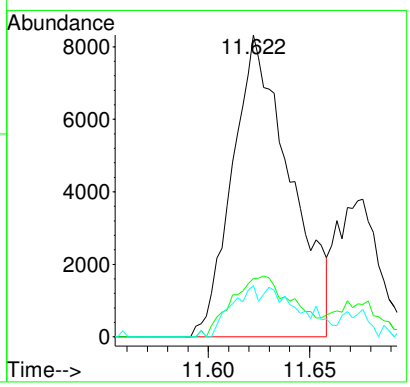


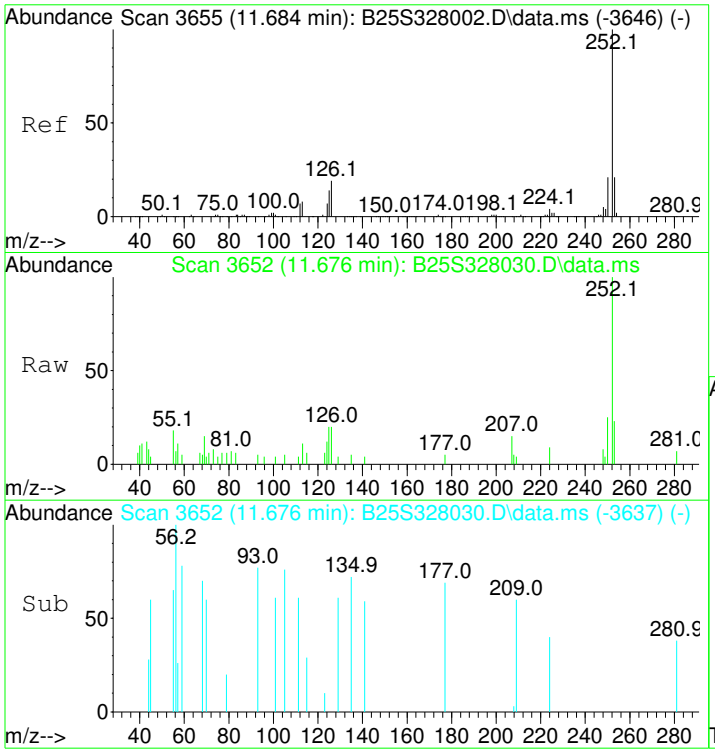


#82
Benzo(b)fluoranthene
Concen: 2.88 ug/ml m
RT: 11.622 min Scan# 3631
Delta R.T. -0.031 min
Lab File: B25S328030.D
Acq: 24 Nov 2025 9:00 pm

Tgt Ion:252 Resp: 16379

Ion	Ratio	Lower	Upper
252	100		
253	20.6	2.2	42.2
125	7.9	0.0	34.5

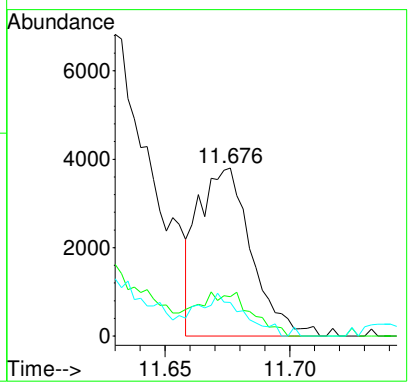


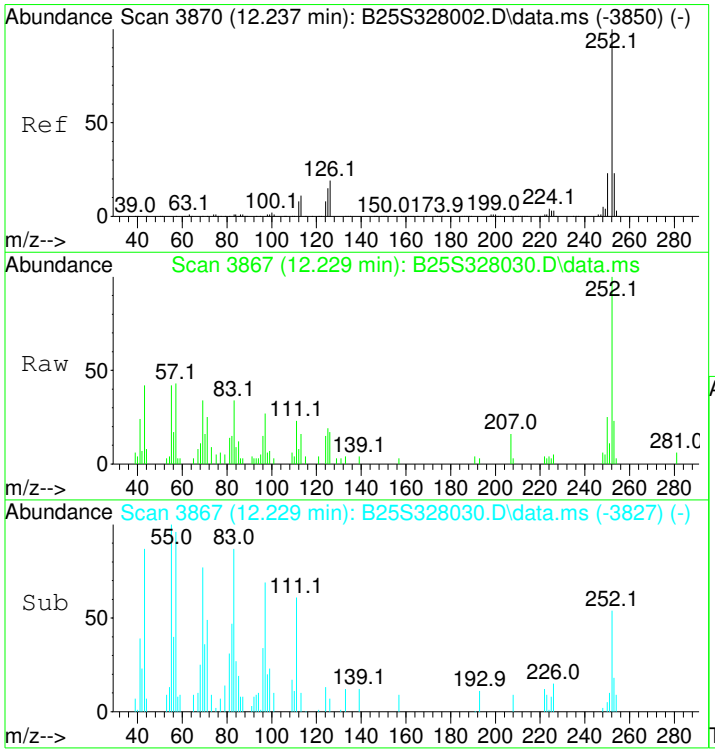


#83
Benzo(k)fluoranthene
Concen: 1.00 ug/ml
RT: 11.676 min Scan# 3652
Delta R.T. -0.028 min
Lab File: B25S328030.D
Acq: 24 Nov 2025 9:00 pm

Tgt Ion:252 Resp: 5661

Ion	Ratio	Lower	Upper
252	100		
253	26.9	0.7	40.7
126	23.4	0.0	39.4

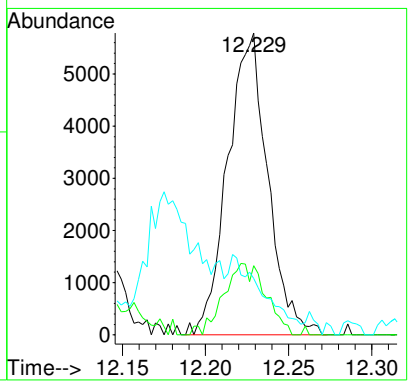


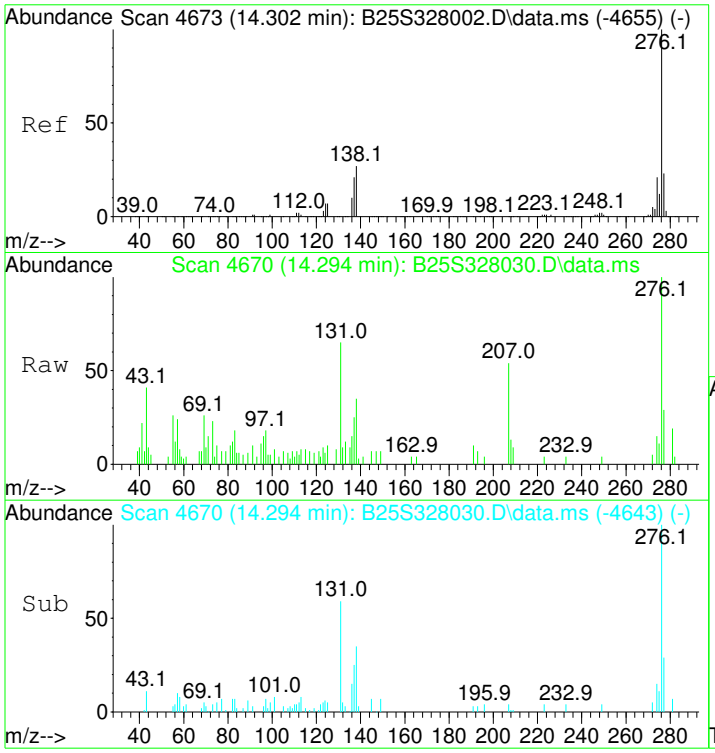


#84
Benzo(a)pyrene
Concen: 1.85 ug/ml
RT: 12.229 min Scan# 3867
Delta R.T. -0.023 min
Lab File: B25S328030.D
Acq: 24 Nov 2025 9:00 pm

Tgt Ion:252 Resp: 9728

Ion	Ratio	Lower	Upper
252	100		
253	24.7	0.4	40.4
125	17.1	0.0	34.0

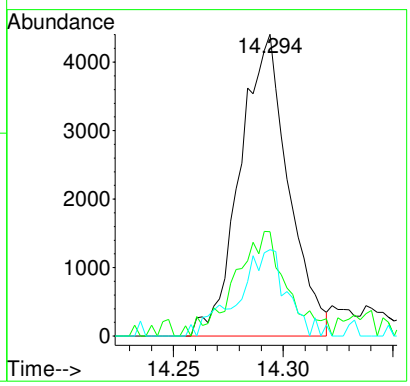


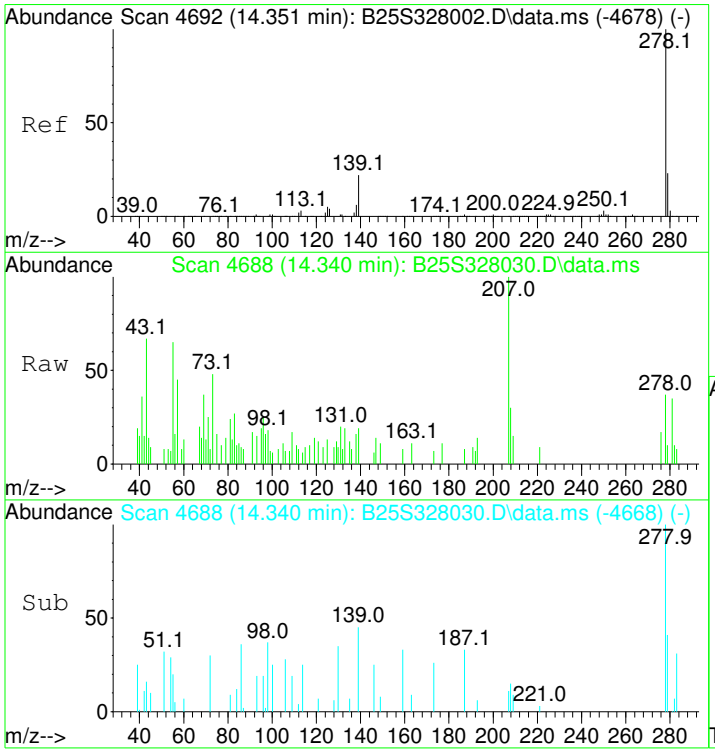


#85
Indeno(1,2,3-cd)pyrene
Concen: 1.44 ug/ml
RT: 14.294 min Scan# 4670
Delta R.T. -0.020 min
Lab File: B25S328030.D
Acq: 24 Nov 2025 9:00 pm

Tgt Ion:276 Resp: 6766

Ion	Ratio	Lower	Upper
276	100		
138	37.1	5.0	45.0
277	23.9	4.1	44.1

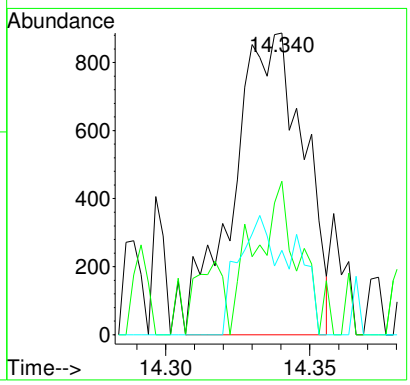


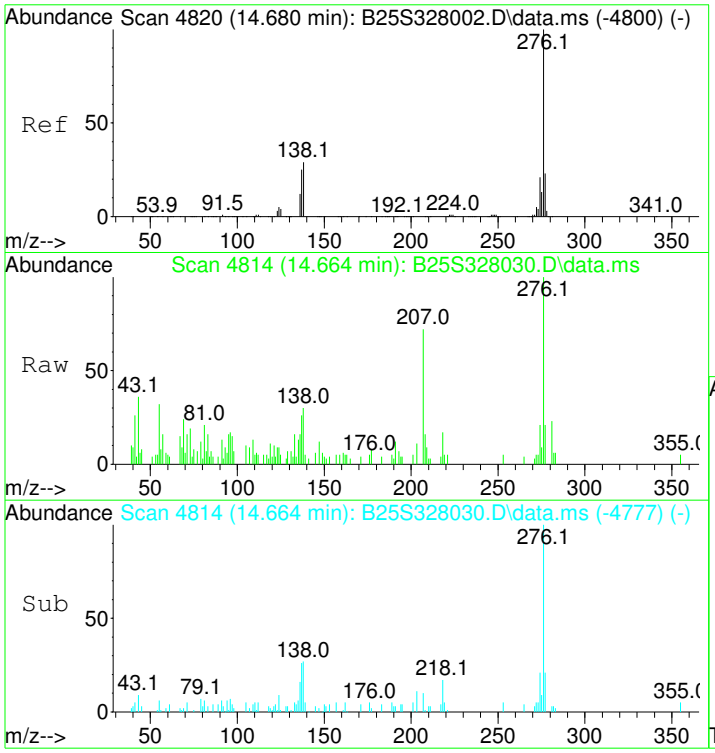


#86
Dibenz(a,h)anthracene
Concen: 0.30 ug/ml m
RT: 14.340 min Scan# 4688
Delta R.T. -0.020 min
Lab File: B25S328030.D
Acq: 24 Nov 2025 9:00 pm

Tgt Ion:278 Resp: 1501

Ion	Ratio	Lower	Upper
278	100		
139	24.6	1.1	41.1
279	30.4	3.5	43.5

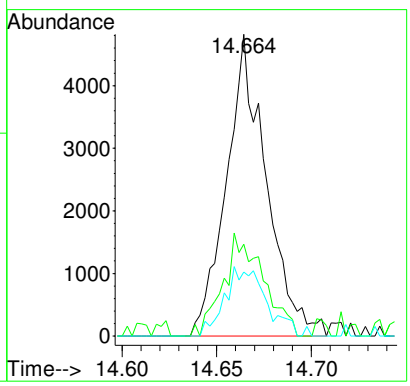


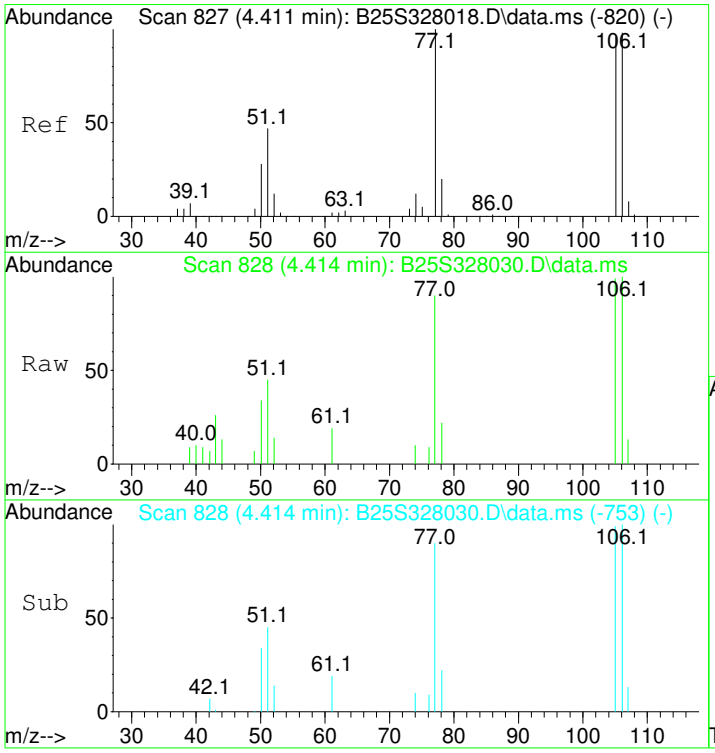


#87
Benzo(g,h,i)perylene
Concen: 1.36 ug/ml
RT: 14.664 min Scan# 4814
Delta R.T. -0.023 min
Lab File: B25S328030.D
Acq: 24 Nov 2025 9:00 pm

Tgt Ion:276 Resp: 7054

Ion	Ratio	Lower	Upper
276	100		
138	34.5	5.6	45.6
277	23.5	3.2	43.2

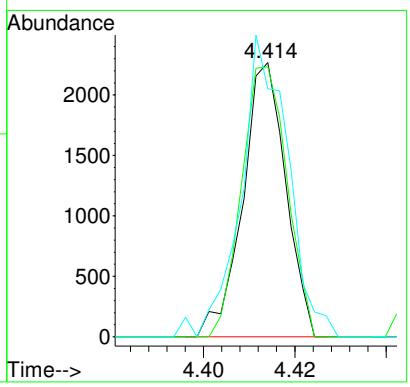




#90
Benzaldehyde
Concen: 0.80 ug/ml
RT: 4.414 min Scan# 828
Delta R.T. -0.008 min
Lab File: B25S328030.D
Acq: 24 Nov 2025 9:00 pm

Tgt Ion:106 Resp: 1481

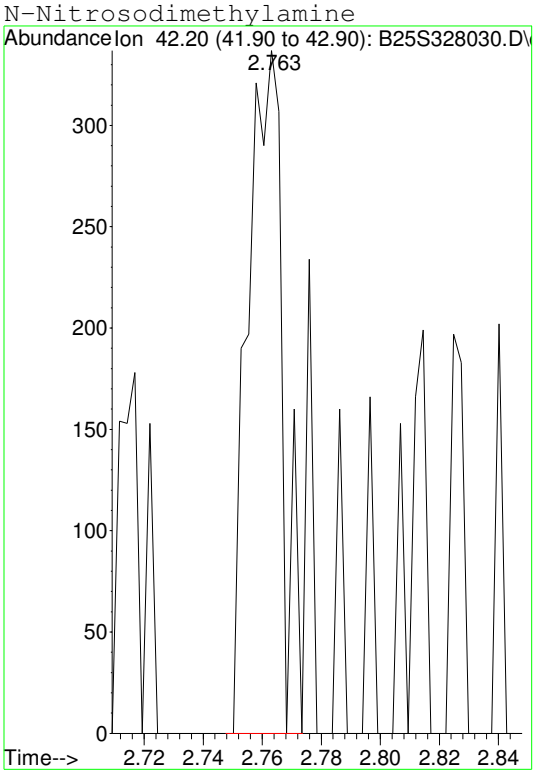
Ion	Ratio	Lower	Upper
106	100		
105	104.5	79.4	119.2
77	120.1	81.3	121.9



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328030.D
Acq On : 24 Nov 2025 9:00 pm
Operator : BGL
Sample : 25K1213-01
Misc :

Quant Time : Tue Nov 25 10:40:18 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
N-Nitrosodimethylamine



Original Int. Results

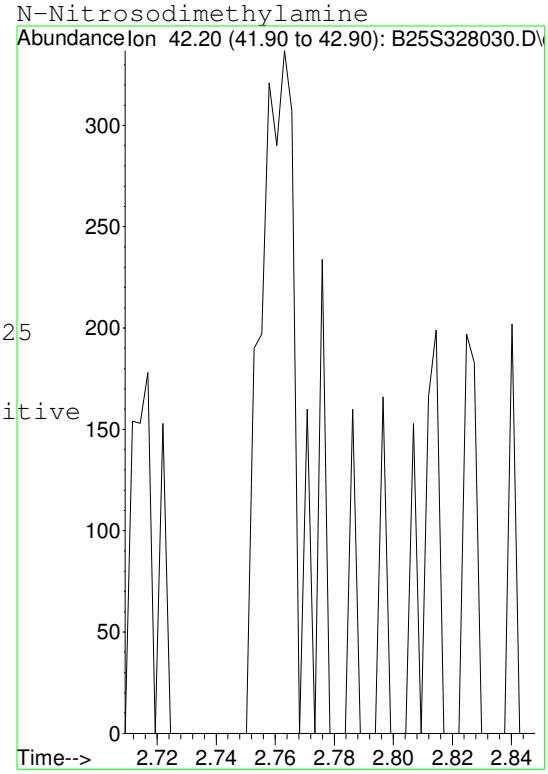
RT : 2.76
Area : 278
Amount: 0.279952

Manual Int. Results

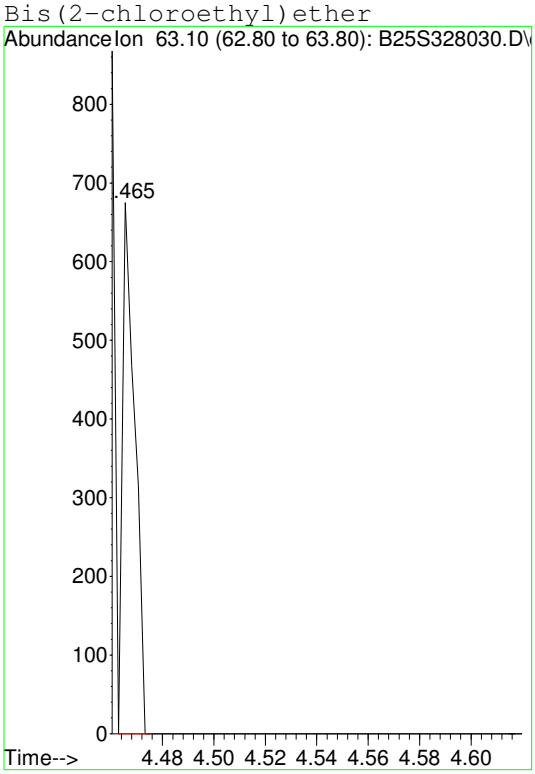
Tue Nov 25 10:39:21 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
N-Nitrosodimethylamine



Original Integration
Bis(2-chloroethyl)ether



Original Int. Results

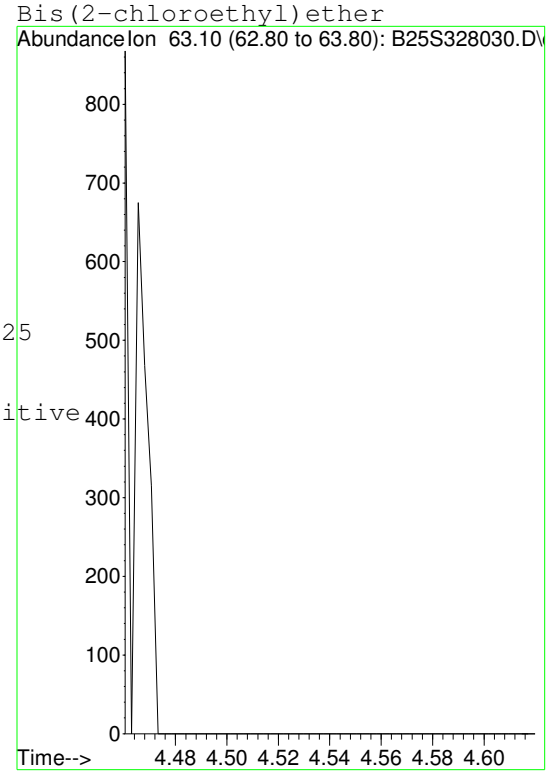
RT : 4.47
Area : 225
Amount: 0.157237

Manual Int. Results

Tue Nov 25 10:39:21 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

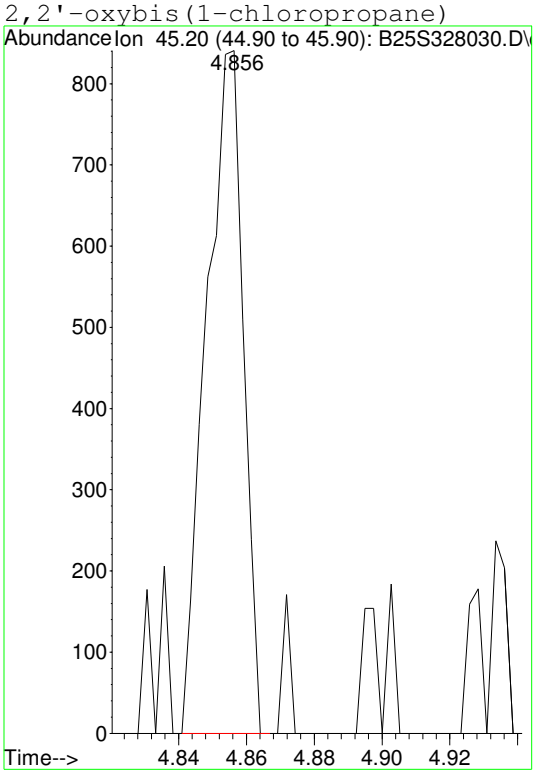
Manual Integration
Bis(2-chloroethyl)ether



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328030.D
Acq On : 24 Nov 2025 9:00 pm
Operator : BGL
Sample : 25K1213-01
Misc :

Quant Time : Tue Nov 25 10:40:18 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
2,2'-oxybis(1-chloropropane)



Original Int. Results

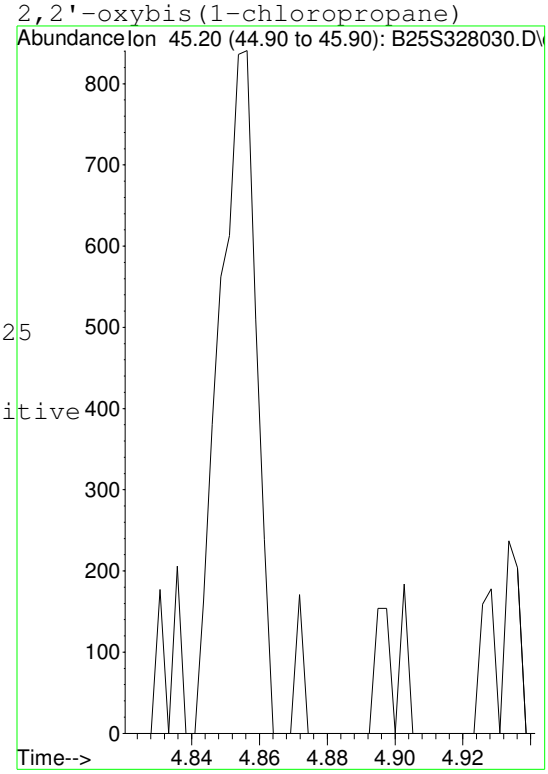
RT : 4.86
Area : 639
Amount: 0.27545

Manual Int. Results

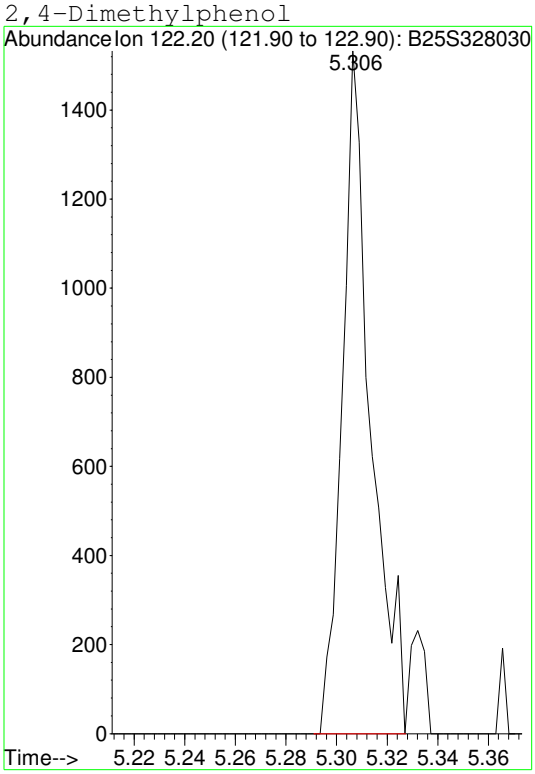
Tue Nov 25 10:39:21 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2,2'-oxybis(1-chloropropane)



Original Integration
2,4-Dimethylphenol



Original Int. Results

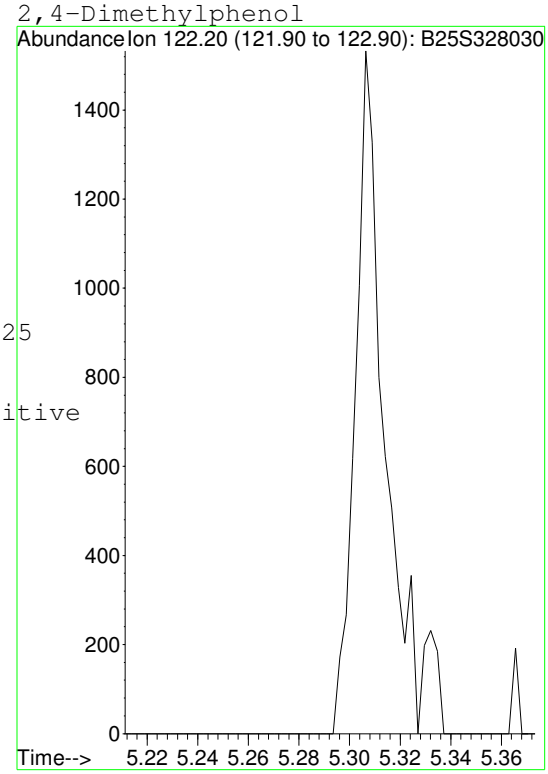
RT : 5.31
Area : 1194
Amount: 0.706758

Manual Int. Results

Tue Nov 25 10:39:20 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

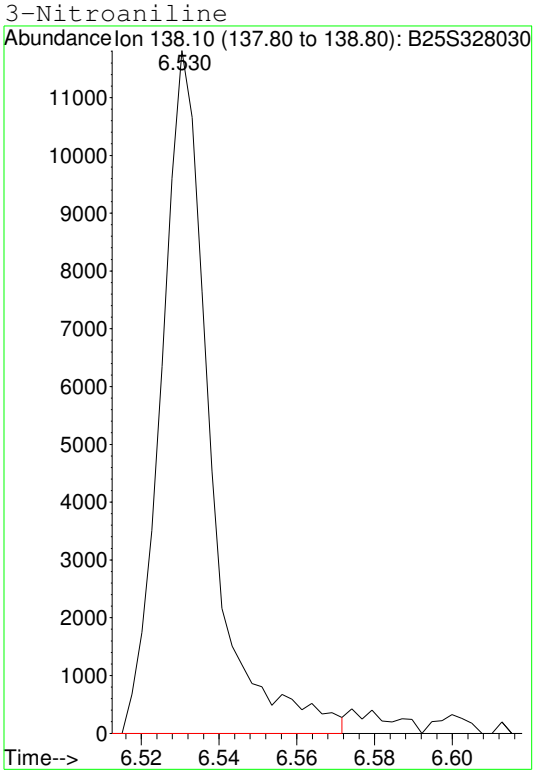
Manual Integration
2,4-Dimethylphenol



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328030.D
Acq On : 24 Nov 2025 9:00 pm
Operator : BGL
Sample : 25K1213-01
Misc :

Quant Time : Tue Nov 25 10:40:18 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
3-Nitroaniline



Original Int. Results

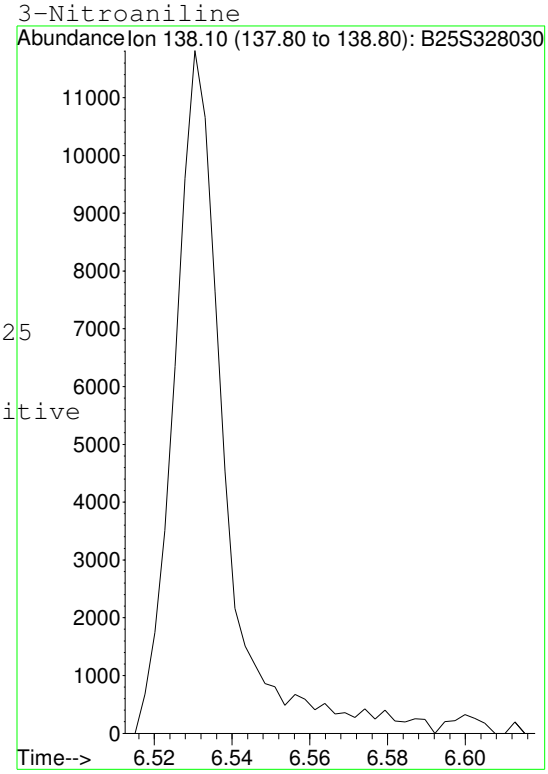
RT : 6.53
Area : 10290
Amount: 10.723

Manual Int. Results

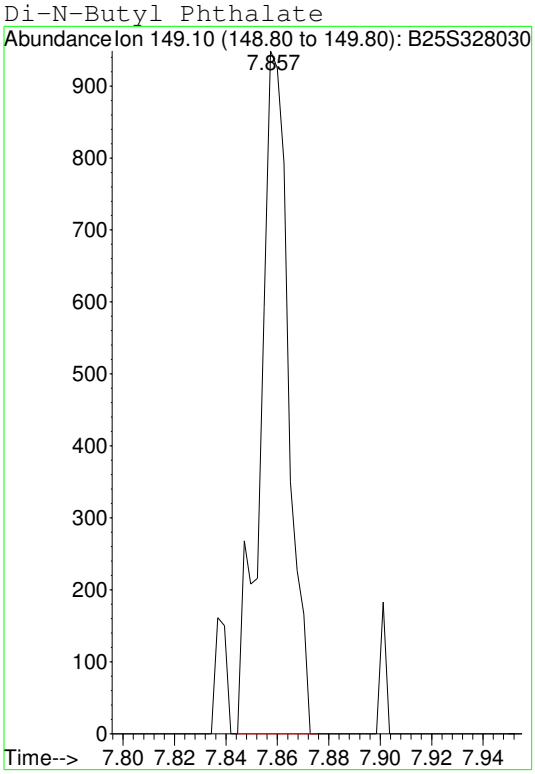
Tue Nov 25 10:39:28 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
3-Nitroaniline



Original Integration
Di-N-Butyl Phthalate



Original Int. Results

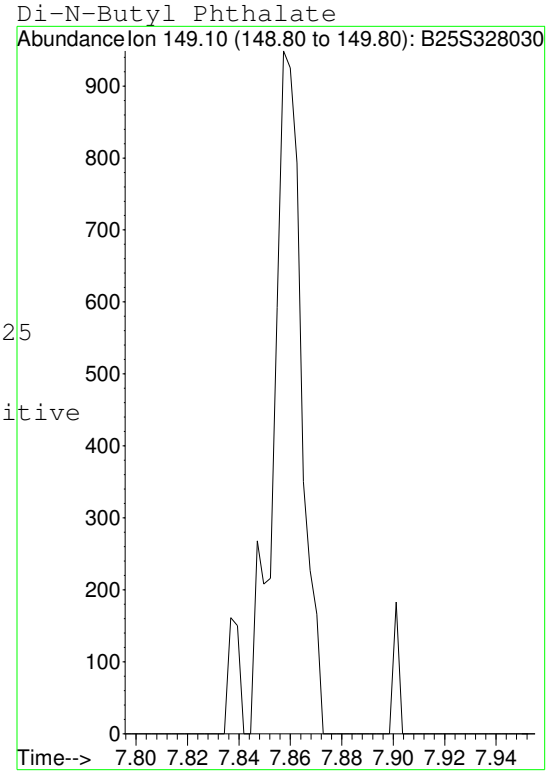
RT : 7.86
Area : 724
Amount: 0.141583

Manual Int. Results

Tue Nov 25 10:39:37 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

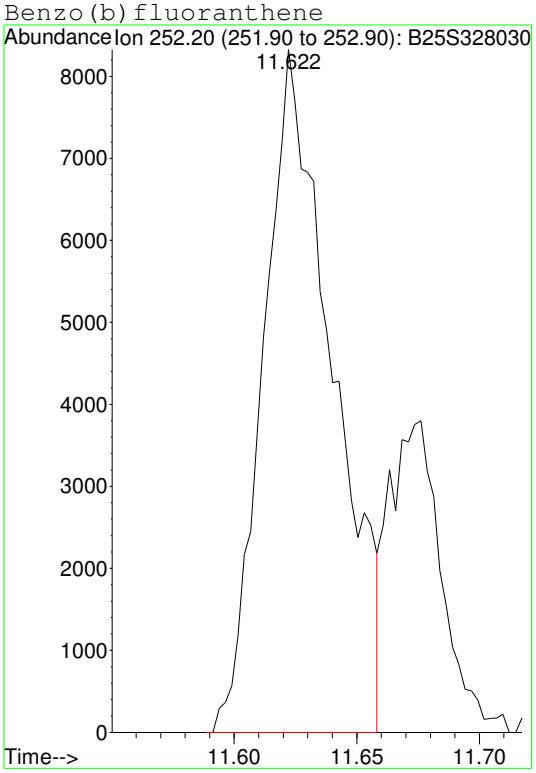
Manual Integration
Di-N-Butyl Phthalate



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328030.D
Acq On : 24 Nov 2025 9:00 pm
Operator : BGL
Sample : 25K1213-01
Misc :

Quant Time : Tue Nov 25 10:40:18 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Benzo(b)fluoranthene



Original Int. Results

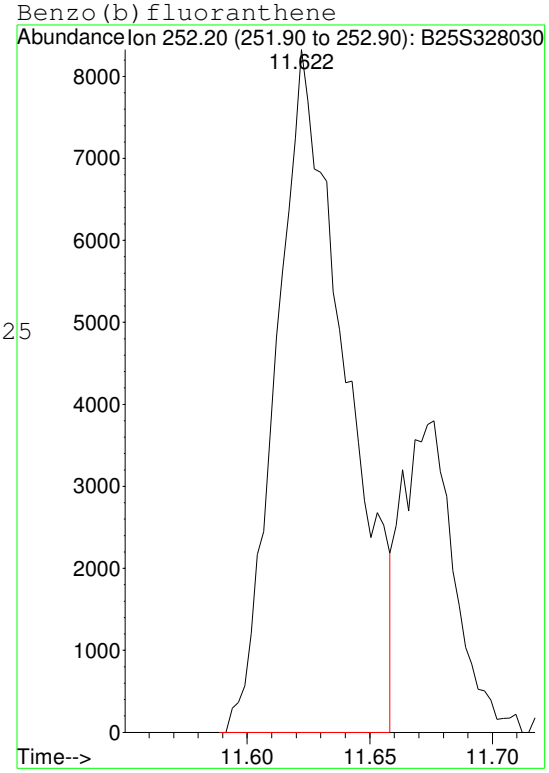
RT : 11.62
Area : 16379
Amount: 2.88463

Manual Int. Results

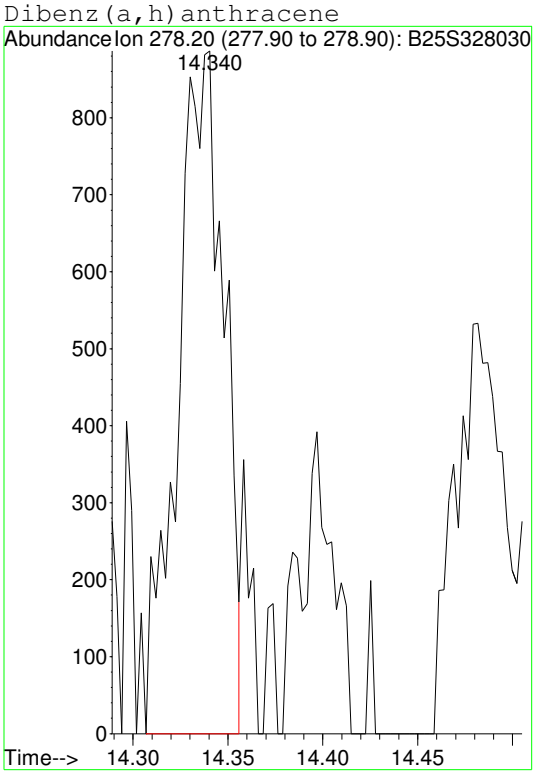
Tue Nov 25 10:40:18 2025

MIuser: BGL
Reason: Other
RT : 11.62
Area : 16379
Amount: 2.88463

Manual Integration
Benzo(b)fluoranthene



Original Integration
Dibenz(a,h)anthracene



Original Int. Results

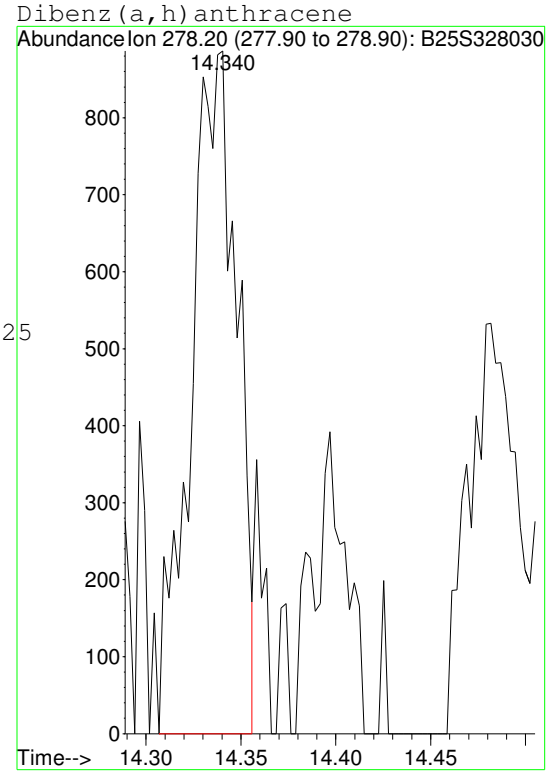
RT : 14.34
Area : 1501
Amount: 0.304889

Manual Int. Results

Tue Nov 25 10:40:08 2025

MIuser: BGL
Reason: Other
RT : 14.34
Area : 1501
Amount: 0.304889

Manual Integration
Dibenz(a,h)anthracene



1 - FORM I
ANALYSIS DATA SHEET

C-2 (2-12in)

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-02	File ID:	B25S328031.D
Sampled:	11/17/25 13:15	Prepared:	11/20/25 15:25	Analyzed:	11/24/25 21:24
Solids:	83.24	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.08 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol		0.057	0.80	
1912-24-9	Atrazine		0.056	0.80	
100-52-7	Benzaldehyde		0.056	0.41	V-05, L-04, V-34
92-52-4	Biphenyl		0.046	0.080	
105-60-2	Caprolactam		0.070	0.41	
83-32-9	Acenaphthene		0.0044	0.040	
208-96-8	Acenaphthylene		0.0050	0.040	
98-86-2	Acetophenone		0.043	0.41	
62-53-3	Aniline		0.077	0.41	V-34
120-12-7	Anthracene		0.0046	0.040	
56-55-3	Benzo(a)anthracene	0.034	0.0062	0.040	J
50-32-8	Benzo(a)pyrene	0.040	0.013	0.040	
205-99-2	Benzo(b)fluoranthene	0.065	0.0098	0.040	
191-24-2	Benzo(g,h,i)perylene	0.027	0.016	0.040	J
207-08-9	Benzo(k)fluoranthene	0.021	0.0081	0.040	J
111-91-1	Bis(2-chloroethoxy)methane		0.041	0.41	
111-44-4	Bis(2-chloroethyl)ether		0.054	0.41	
108-60-1	2,2'-oxybis(1-Chloropropane)		0.16	0.41	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.055	0.41	
101-55-3	4-Bromophenylphenylether		0.036	0.41	
85-68-7	Butylbenzylphthalate		0.046	0.41	
86-74-8	Carbazole		0.042	0.20	
106-47-8	4-Chloroaniline		0.065	0.79	
59-50-7	4-Chloro-3-methylphenol		0.043	0.79	
91-58-7	2-Chloronaphthalene		0.036	0.41	
95-57-8	2-Chlorophenol		0.036	0.41	
7005-72-3	4-Chlorophenylphenylether		0.037	0.41	
218-01-9	Chrysene	0.043	0.0052	0.040	
53-70-3	Dibenz(a,h)anthracene		0.018	0.040	

1 - FORM I
ANALYSIS DATA SHEET

C-2 (2-12in)

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-02	File ID:	B25S328031.D
Sampled:	11/17/25 13:15	Prepared:	11/20/25 15:25	Analyzed:	11/24/25 21:24
Solids:	83.24	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.08 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
132-64-9	Dibenzofuran		0.040	0.41	
84-74-2	Di-n-butylphthalate		0.16	0.41	
91-94-1	3,3-Dichlorobenzidine		0.073	0.20	
120-83-2	2,4-Dichlorophenol		0.038	0.41	
84-66-2	Diethylphthalate		0.040	0.41	
105-67-9	2,4-Dimethylphenol		0.084	0.41	
131-11-3	Dimethylphthalate		0.036	0.41	
534-52-1	4,6-Dinitro-2-methylphenol		0.33	0.41	
51-28-5	2,4-Dinitrophenol		0.38	0.79	V-04, V-06
121-14-2	2,4-Dinitrotoluene		0.096	0.41	
606-20-2	2,6-Dinitrotoluene		0.051	0.41	
117-84-0	Di-n-octylphthalate		0.060	0.41	
206-44-0	Fluoranthene	0.080	0.0056	0.040	
86-73-7	Fluorene		0.0048	0.040	
118-74-1	Hexachlorobenzene		0.041	0.41	
87-68-3	Hexachlorobutadiene		0.042	0.41	
77-47-4	Hexachlorocyclopentadiene		0.20	0.41	
67-72-1	Hexachloroethane		0.037	0.41	
193-39-5	Indeno(1,2,3-cd)pyrene	0.032	0.016	0.040	J
78-59-1	Isophorone		0.043	0.41	
90-12-0	1-Methylnaphthalene		0.0050	0.040	
91-57-6	2-Methylnaphthalene		0.0046	0.040	
95-48-7	2-Methylphenol		0.051	0.41	
108-39-4/106-4	3/4-Methylphenol		0.066	0.41	
91-20-3	Naphthalene		0.0058	0.040	
88-74-4	2-Nitroaniline		0.062	0.41	
99-09-2	3-Nitroaniline		0.053	0.41	
100-01-6	4-Nitroaniline		0.058	0.41	
98-95-3	Nitrobenzene		0.046	0.41	

1 - FORM I
ANALYSIS DATA SHEET

C-2 (2-12in)

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-02	File ID:	B25S328031.D
Sampled:	11/17/25 13:15	Prepared:	11/20/25 15:25	Analyzed:	11/24/25 21:24
Solids:	83.24	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.08 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833
Instrument:	GCMSSV2				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
88-75-5	2-Nitrophenol		0.042	0.41	
100-02-7	4-Nitrophenol		0.16	0.79	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.053	0.41	
621-64-7	N-Nitrosodi-n-propylamine		0.050	0.41	
87-86-5	Pentachlorophenol		0.052	0.41	
85-01-8	Phenanthrene	0.027	0.0041	0.040	J
108-95-2	Phenol		0.039	0.41	
129-00-0	Pyrene	0.056	0.0068	0.040	
110-86-1	Pyridine		0.052	0.41	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.039	0.41	
95-95-4	2,4,5-Trichlorophenol		0.041	0.41	
88-06-2	2,4,6-Trichlorophenol		0.036	0.41	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328031.D
Acq On : 24 Nov 2025 9:24 pm
Operator : BGL
Sample : 25K1213-02 Inst : GCMSSV2
Misc :
ALS Vial : 31 Sample Multiplier: 1

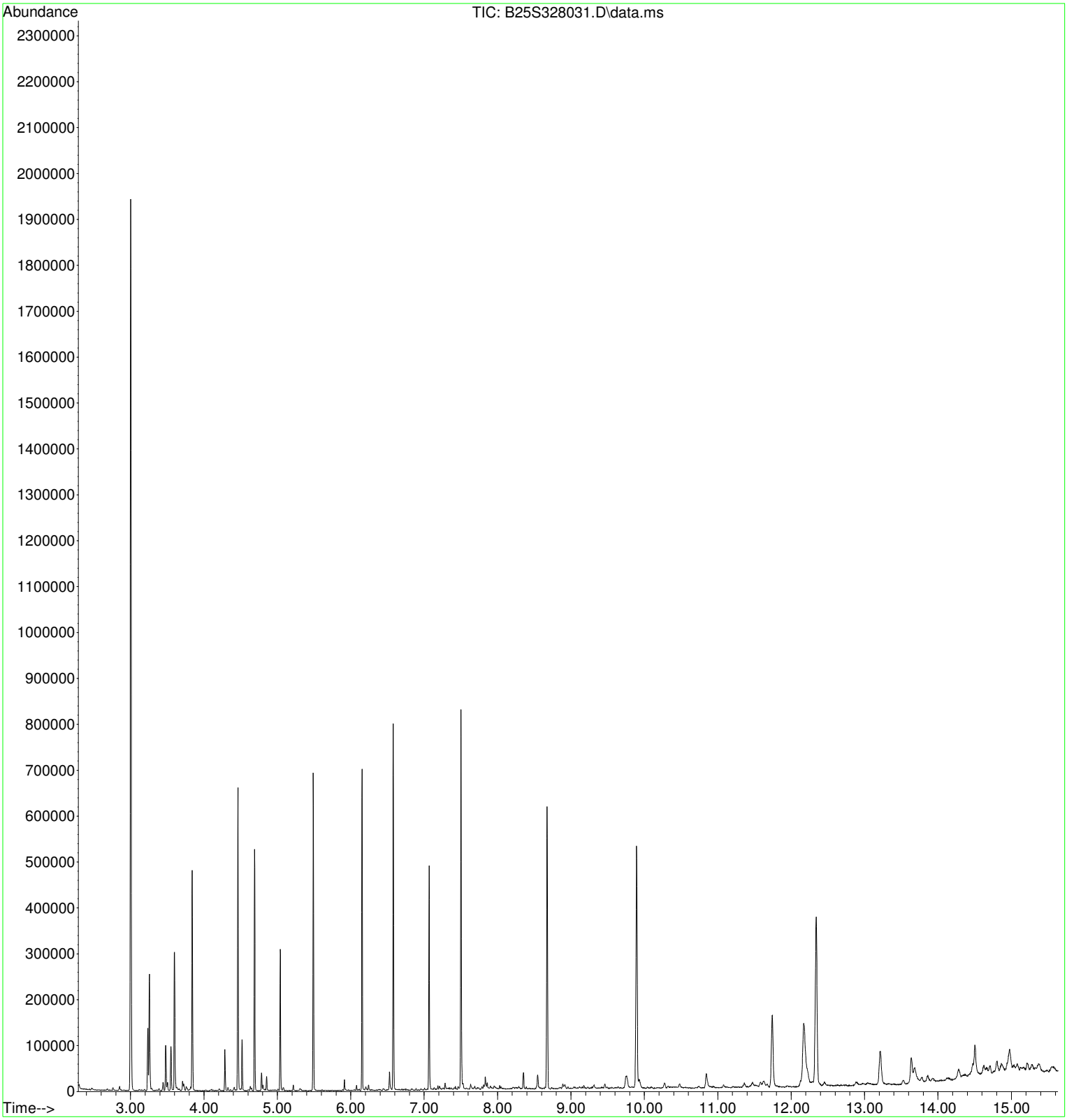
Quant Time: Nov 24 21:40:30 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

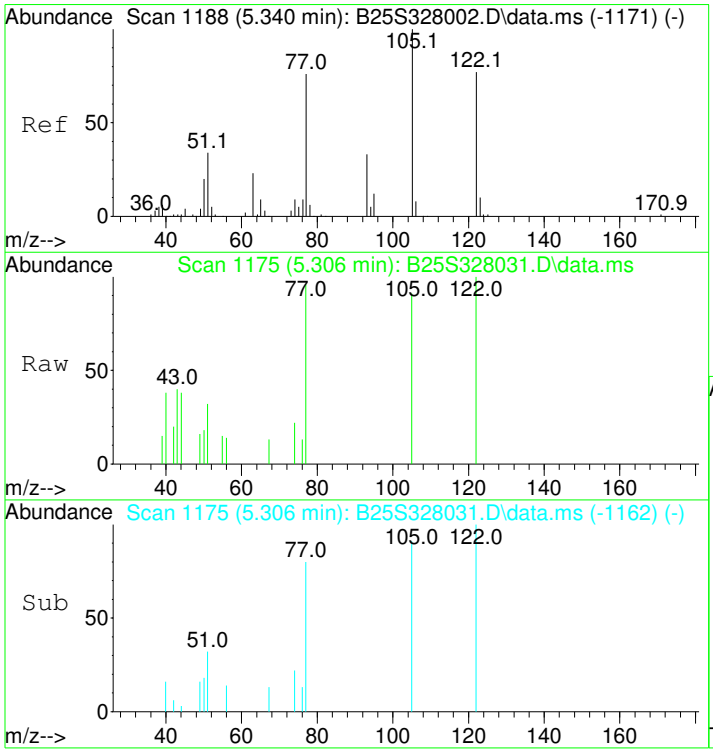
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.689	152	59034	40.00	ug/ml	-0.01
19) NAPHTHALENE-d8	5.489	136	219288	40.00	ug/ml	-0.01
35) ACENAPHTHENE-D10	6.579	164	118094	40.00	ug/ml	-0.01
58) PHENANTHRENE-D10	7.502	188	203837	40.00	ug/ml	-0.01
71) CHRYSENE-D12	9.894	240	205047	40.00	ug/ml	-0.02
80) PERYLENE-D12	12.342	264	213198	40.00	ug/ml	-0.02
88) 1,4-Dichlorobenzene-D4...	4.689	152	59034	40.00	ug/ml	-0.01
92) NAPHTHALENE-d8 (2)	5.489	136	219288	40.00	ug/ml	-0.01
95) ACENAPHTHENE-D10 (2)	6.579	164	118094	40.00	ug/ml	-0.01
System Monitoring Compounds						
2) 2-Fluorophenol	3.841	112	97333	59.01	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 29.50%#			
3) Phenol-d6	4.463	99	168088	61.81	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 30.90%			
20) Nitrobenzene-d5	5.039	82	71733	32.87	ug/ml	-0.02
Spiked Amount 100.000	Range 30 - 130		Recovery = 32.87%			
36) 2-Fluorobiphenyl	6.155	172	140287	35.98	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 35.98%			
37) 2,4,6-Tribromophenol	7.070	330	35443	67.58	ug/ml	-0.01
Spiked Amount 200.000	Range 30 - 130		Recovery = 33.79%			
72) p-Terphenyl-d14	8.675	244	165629	39.01	ug/ml	-0.02
Spiked Amount 100.000	Range 30 - 130		Recovery = 39.01%			
Target Compounds						Qvalue
26) Benzoic Acid	5.306	122	1033	0.95	ug/ml	89
66) Phenanthrene	7.515	178	4312	0.68	ug/ml	96
69) Di-N-Butyl Phthalate	7.860	149	4003	0.69	ug/ml	98
70) Flouranthene	8.354	202	12670	2.01	ug/ml	99
74) Pyrene	8.547	202	10489	1.39	ug/ml	96
75) Butylbenzyl phthalate	9.177	149	1276	0.46	ug/ml#	66
77) Benzo(a)anthracene	9.881	228	5783	0.84	ug/ml	93
78) Chrysene	9.930	228	7324	1.07	ug/ml	95
82) Benzo(b)fluoranthene	11.625	252	10668	1.63	ug/ml	95
83) Benzo(k)fluoranthene	11.671	252	3356	0.52	ug/ml	84
84) Benzo(a)pyrene	12.224	252	6047	1.00	ug/ml	89
85) Indeno(1,2,3-cd)pyrene	14.291	276	4364	0.81	ug/ml	95
86) Dibenz(a,h)anthracene	14.338	278	808	0.14	ug/ml	74
87) Benzo(g,h,i)perylene	14.667	276	4068	0.68	ug/ml	85
90) Benzaldehyde	4.414	106	992	0.51	ug/ml	91

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

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328031.D
Acq On : 24 Nov 2025 9:24 pm
Operator : BGL
Sample : 25K1213-02 Inst : GCMSSV2
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Nov 24 21:40:30 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

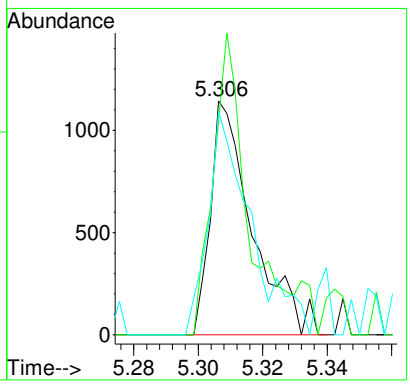


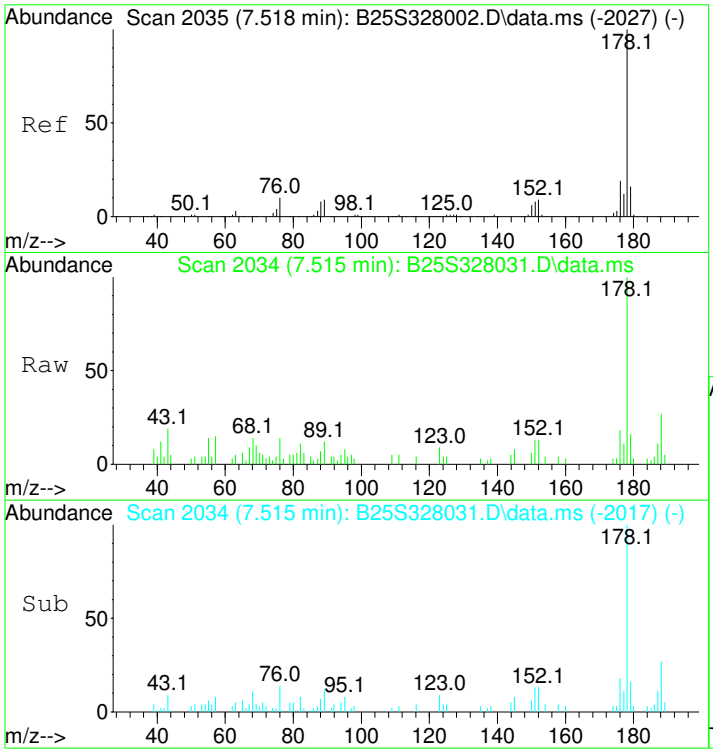


#26
Benzoic Acid
Concen: 0.95 ug/ml
RT: 5.306 min Scan# 1175
Delta R.T. -0.034 min
Lab File: B25S328031.D
Acq: 24 Nov 2025 9:24 pm

Tgt Ion:122 Resp: 1033

Ion	Ratio	Lower	Upper
122	100		
105	106.0	95.4	135.4
77	97.2	64.2	104.2

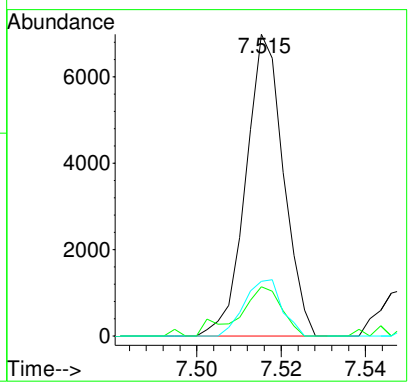


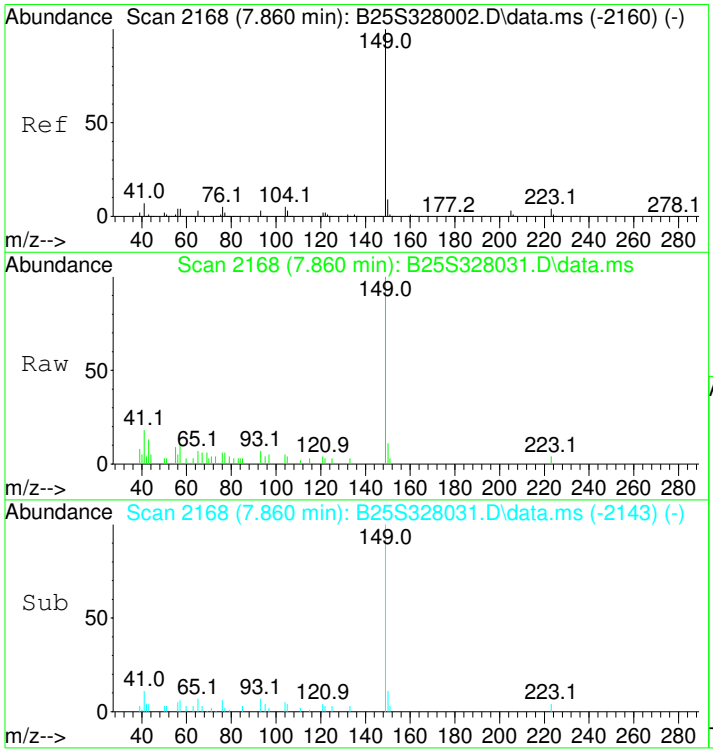


#66
Phenanthrene
Concen: 0.68 ug/ml
RT: 7.515 min Scan# 2034
Delta R.T. -0.013 min
Lab File: B25S328031.D
Acq: 24 Nov 2025 9:24 pm

Tgt Ion:178 Resp: 4312

Ion	Ratio	Lower	Upper
178	100		
179	19.2	0.0	35.5
176	18.7	0.0	39.0

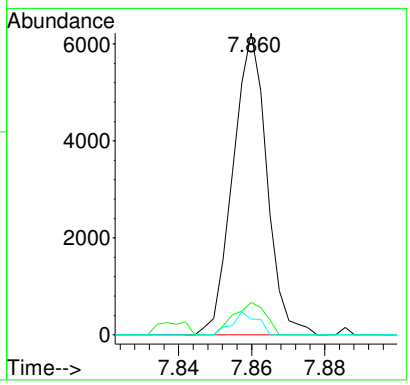


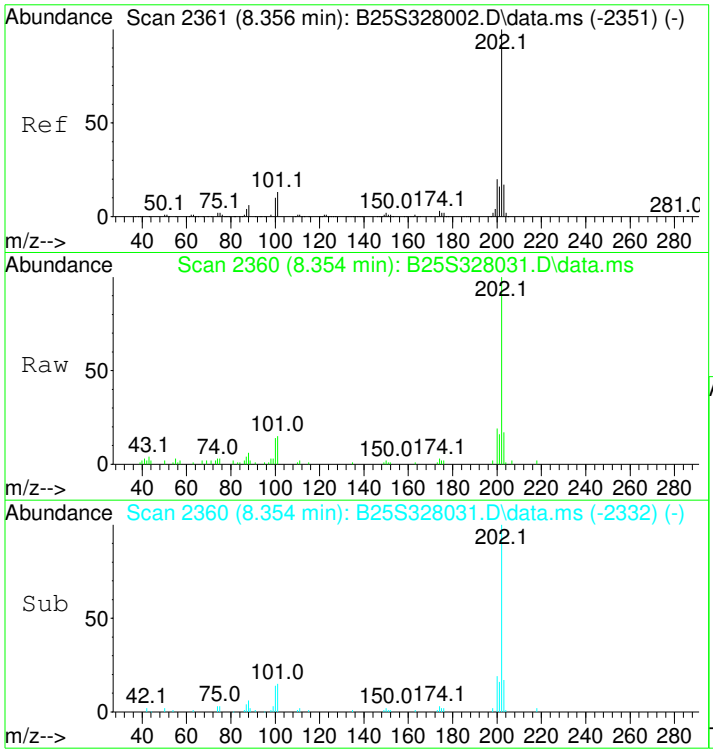


#69
Di-N-Butyl Phthalate
Concen: 0.69 ug/ml
RT: 7.860 min Scan# 2168
Delta R.T. -0.013 min
Lab File: B25S328031.D
Acq: 24 Nov 2025 9:24 pm

Tgt Ion:149 Resp: 4003

Ion	Ratio	Lower	Upper
149	100		
150	10.1	0.0	29.3
104	5.6	0.0	25.2

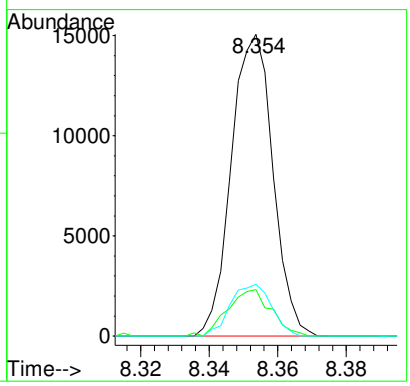


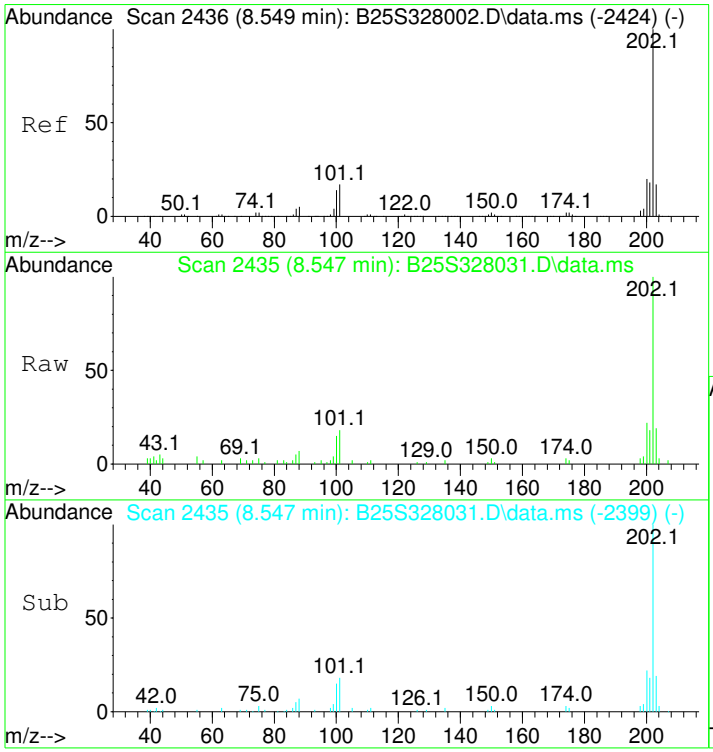


#70
Flouranthene
Concen: 2.01 ug/ml
RT: 8.354 min Scan# 2360
Delta R.T. -0.013 min
Lab File: B25S328031.D
Acq: 24 Nov 2025 9:24 pm

Tgt Ion:202 Resp: 12670

Ion	Ratio	Lower	Upper
202	100		
101	16.1	0.0	36.2
203	17.0	0.0	37.5

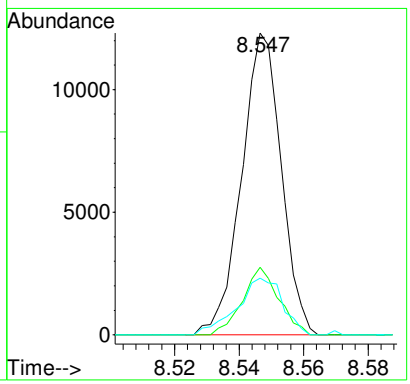


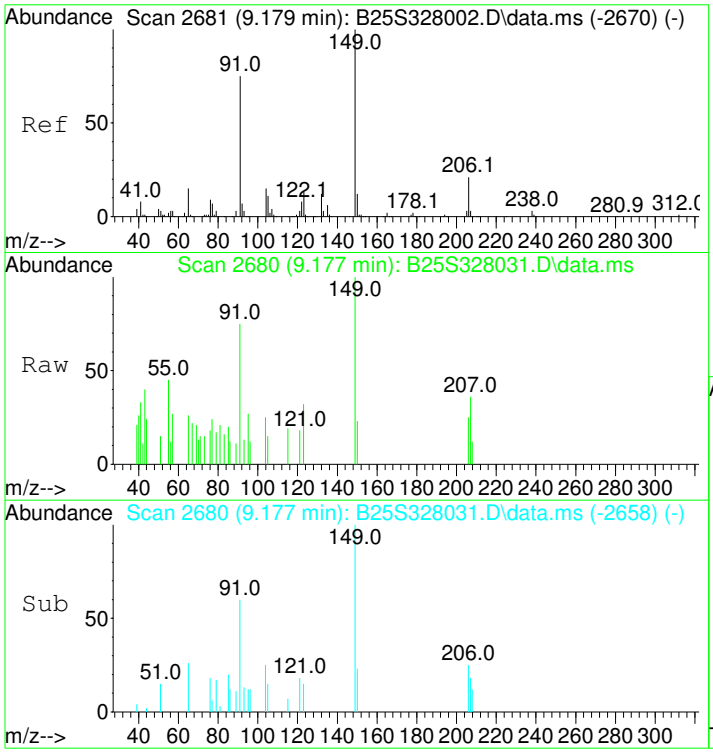


#74
Pyrene
Concen: 1.39 ug/ml
RT: 8.547 min Scan# 2435
Delta R.T. -0.015 min
Lab File: B25S328031.D
Acq: 24 Nov 2025 9:24 pm

Tgt Ion:202 Resp: 10489

Ion	Ratio	Lower	Upper
202	100		
200	20.4	0.1	40.1
203	21.7	0.0	38.1

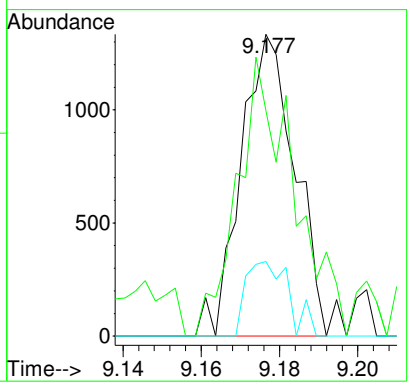


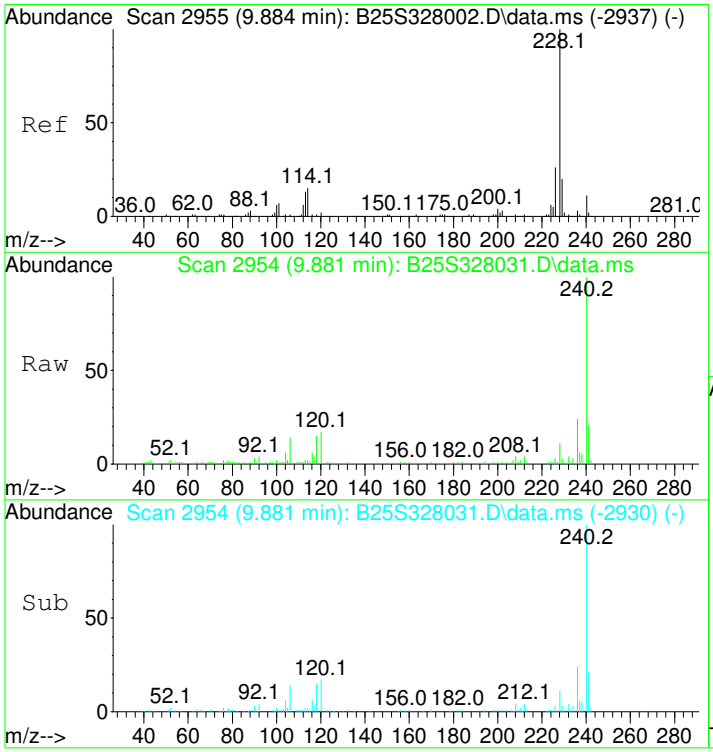


#75
Butylbenzyl phthalate
Concen: 0.46 ug/ml
RT: 9.177 min Scan# 2680
Delta R.T. -0.021 min
Lab File: B25S328031.D
Acq: 24 Nov 2025 9:24 pm

Tgt Ion:149 Resp: 1276

Ion	Ratio	Lower	Upper
149	100		
91	97.4	42.5	82.5#
206	19.7	0.2	40.2

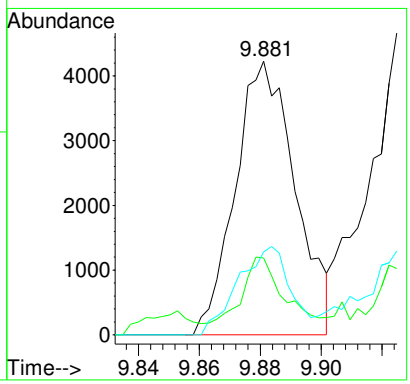


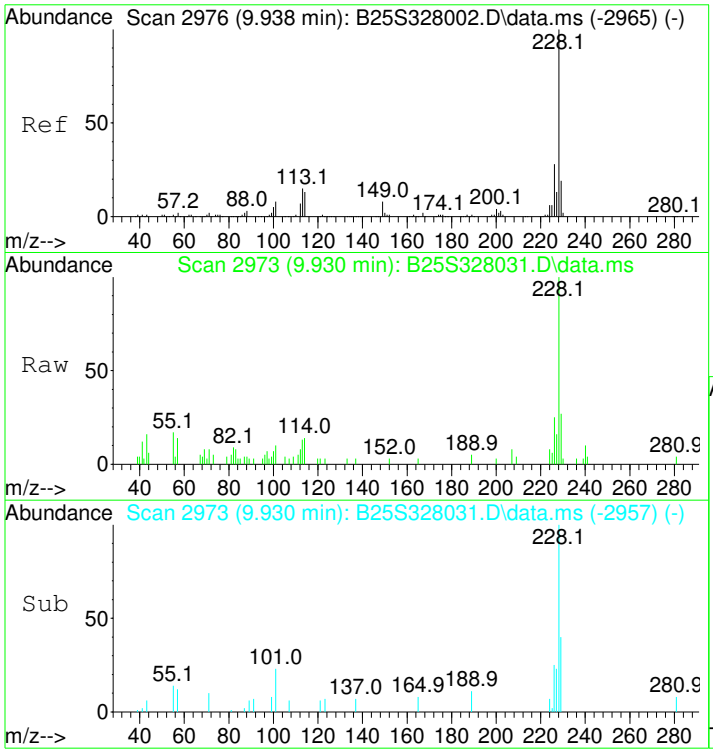


#77
Benzo(a)anthracene
Concen: 0.84 ug/ml
RT: 9.881 min Scan# 2954
Delta R.T. -0.021 min
Lab File: B25S328031.D
Acq: 24 Nov 2025 9:24 pm

Tgt Ion:228 Resp: 5783

Ion	Ratio	Lower	Upper
228	100		
229	22.5	0.0	38.9
226	28.0	4.9	44.9

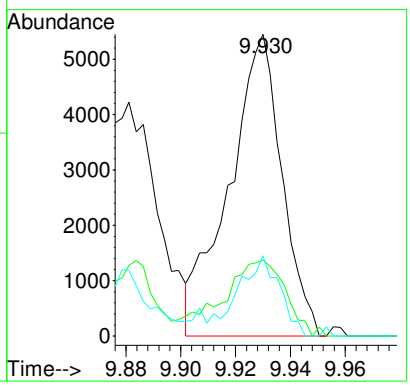


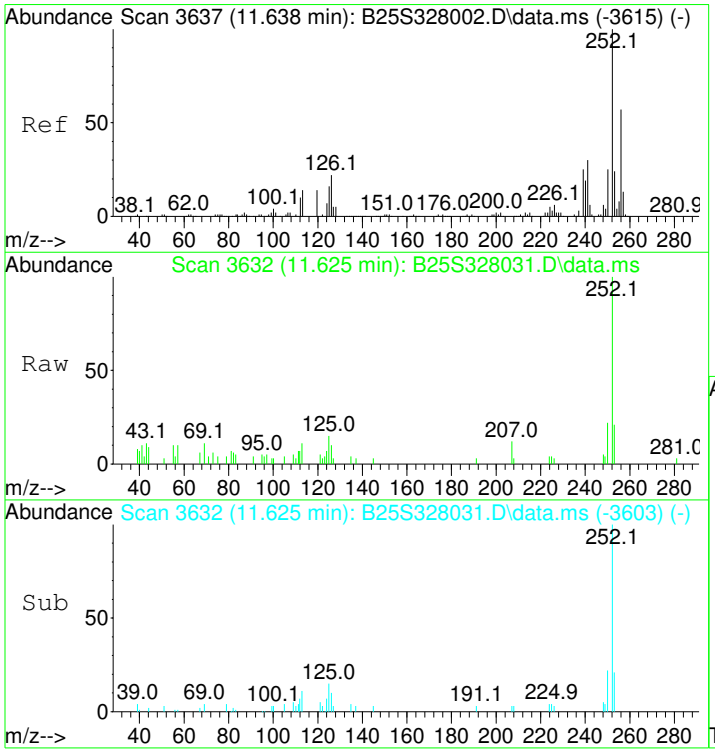


#78
Chrysene
Concen: 1.07 ug/ml
RT: 9.930 min Scan# 2973
Delta R.T. -0.023 min
Lab File: B25S328031.D
Acq: 24 Nov 2025 9:24 pm

Tgt Ion:228 Resp: 7324

Ion	Ratio	Lower	Upper
228	100		
226	30.8	8.1	48.1
229	21.0	0.0	38.9

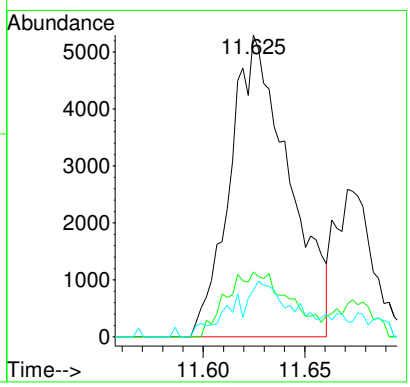


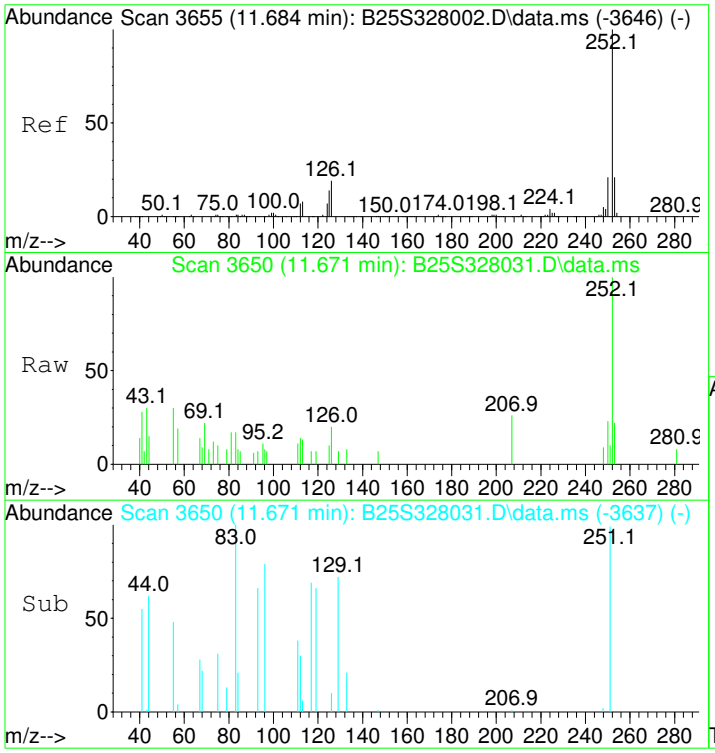


#82
Benzo(b)fluoranthene
Concen: 1.63 ug/ml
RT: 11.625 min Scan# 3632
Delta R.T. -0.028 min
Lab File: B25S328031.D
Acq: 24 Nov 2025 9:24 pm

Tgt Ion:252 Resp: 10668

Ion	Ratio	Lower	Upper
252	100		
253	23.0	2.2	42.2
125	10.1	0.0	34.5

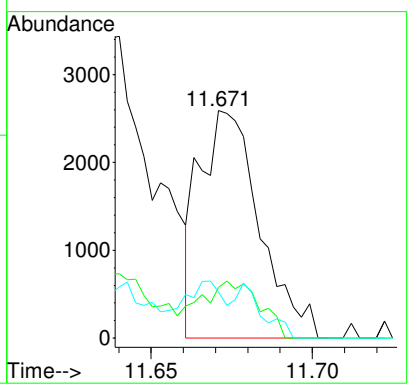


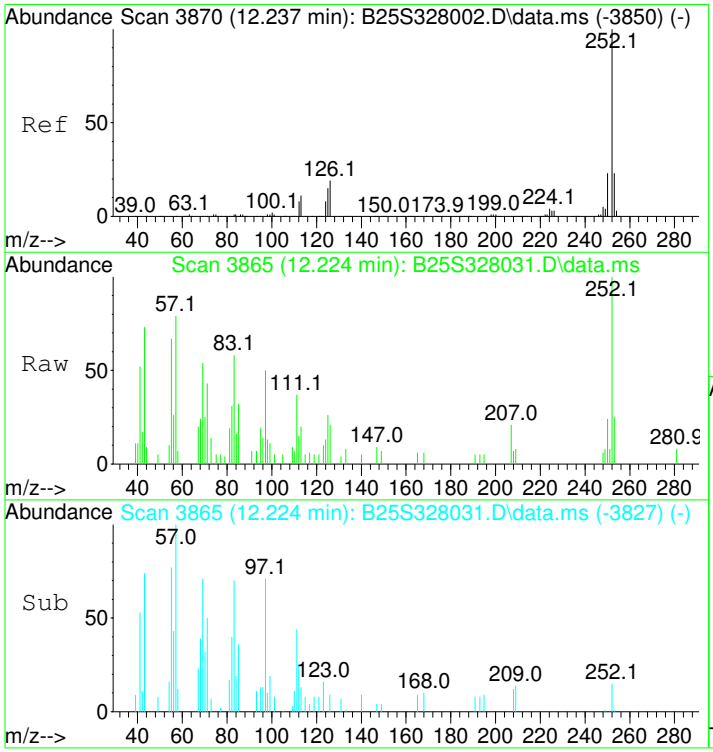


#83
Benzo(k)fluoranthene
Concen: 0.52 ug/ml
RT: 11.671 min Scan# 3650
Delta R.T. -0.033 min
Lab File: B25S328031.D
Acq: 24 Nov 2025 9:24 pm

Tgt Ion:252 Resp: 3356

Ion	Ratio	Lower	Upper
252	100		
253	25.2	0.7	40.7
126	9.0	0.0	39.4

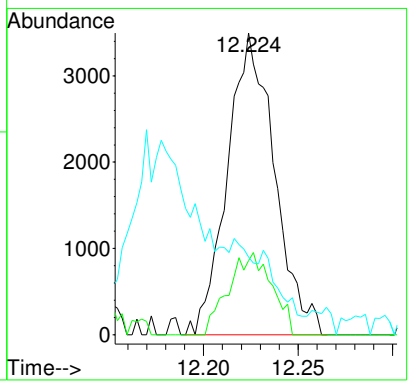


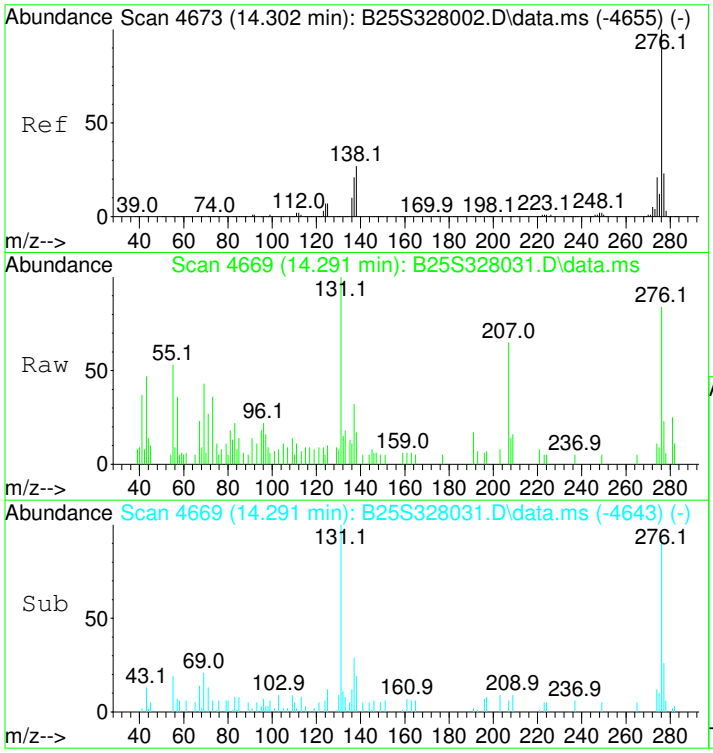


#84
Benzo(a)pyrene
Concen: 1.00 ug/ml
RT: 12.224 min Scan# 3865
Delta R.T. -0.028 min
Lab File: B25S328031.D
Acq: 24 Nov 2025 9:24 pm

Tgt Ion:252 Resp: 6047

Ion	Ratio	Lower	Upper
252	100		
253	25.0	0.4	40.4
125	8.6	0.0	34.0

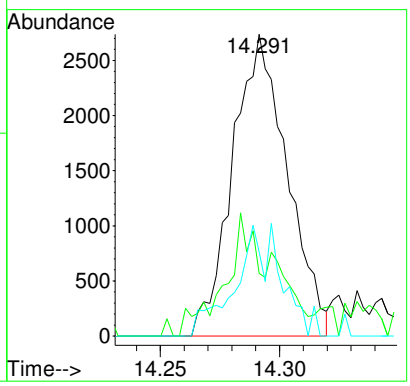


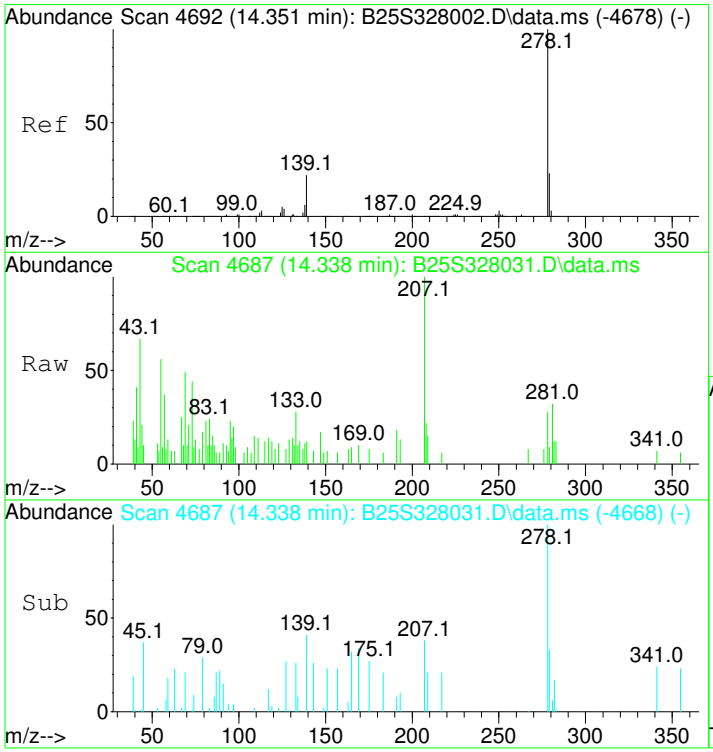


#85
Indeno(1,2,3-cd)pyrene
Concen: 0.81 ug/ml
RT: 14.291 min Scan# 4669
Delta R.T. -0.023 min
Lab File: B25S328031.D
Acq: 24 Nov 2025 9:24 pm

Tgt Ion:276 Resp: 4364

Ion	Ratio	Lower	Upper
276	100		
138	24.5	5.0	45.0
277	19.4	4.1	44.1

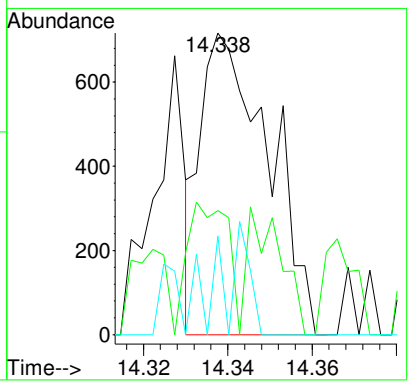


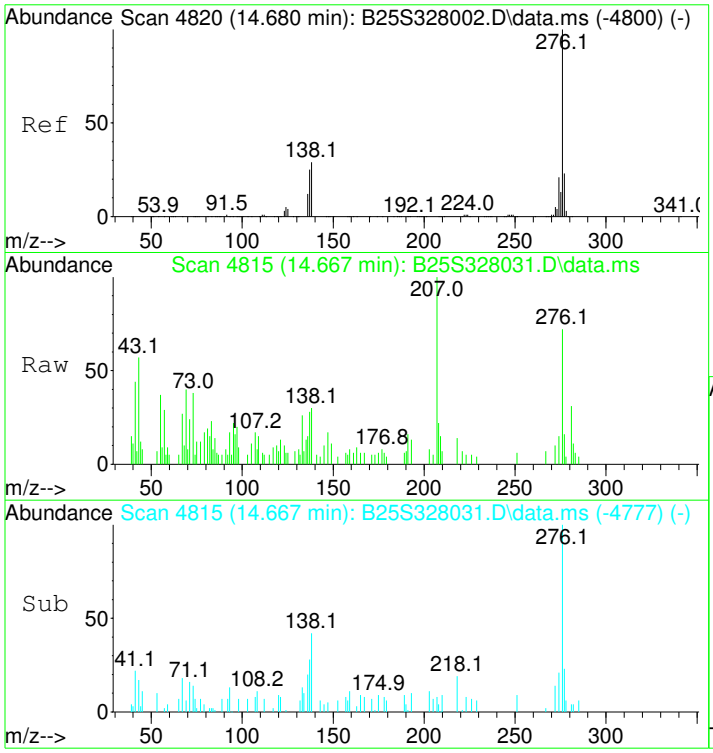


#86
Dibenz(a,h)anthracene
Concen: 0.14 ug/ml
RT: 14.338 min Scan# 4687
Delta R.T. -0.023 min
Lab File: B25S328031.D
Acq: 24 Nov 2025 9:24 pm

Tgt Ion:278 Resp: 808

Ion	Ratio	Lower	Upper
278	100		
139	26.0	1.1	41.1
279	3.7	3.5	43.5

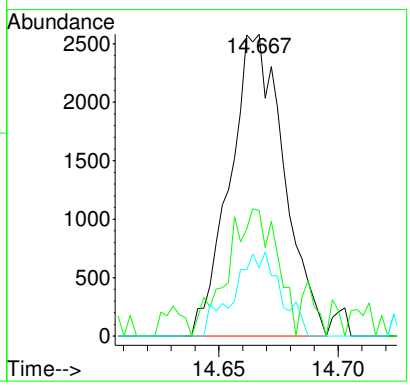


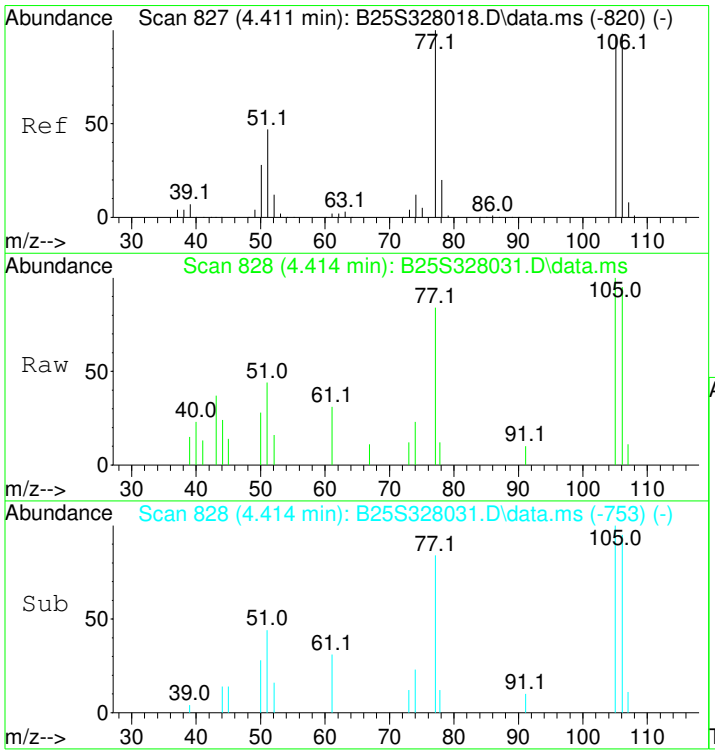


#87
Benzo(g,h,i)perylene
Concen: 0.68 ug/ml
RT: 14.667 min Scan# 4815
Delta R.T. -0.021 min
Lab File: B25S328031.D
Acq: 24 Nov 2025 9:24 pm

Tgt Ion:276 Resp: 4068

Ion	Ratio	Lower	Upper
276	100		
138	38.7	5.6	45.6
277	24.2	3.2	43.2

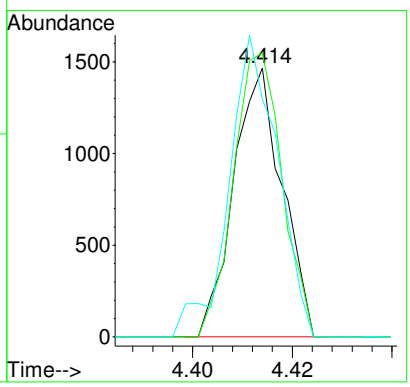




#90
Benzaldehyde
Concen: 0.51 ug/ml
RT: 4.414 min Scan# 828
Delta R.T. -0.008 min
Lab File: B25S328031.D
Acq: 24 Nov 2025 9:24 pm

Tgt Ion:106 Resp: 992

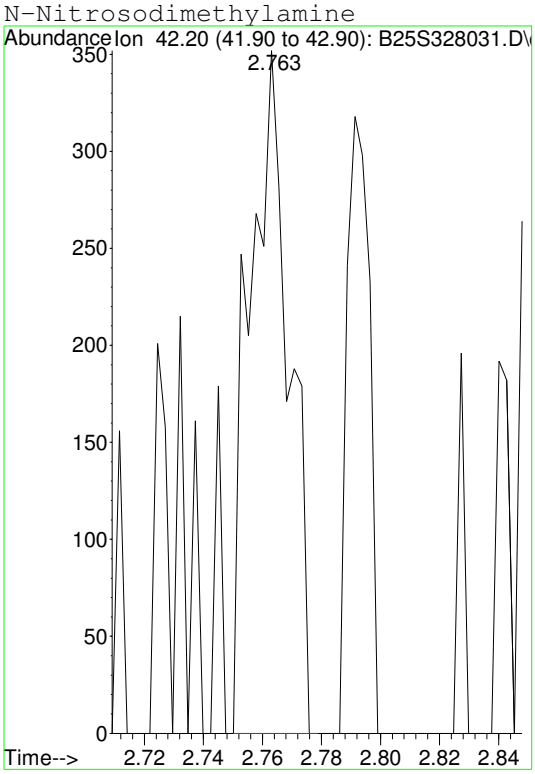
Ion	Ratio	Lower	Upper
106	100		
105	106.0	79.4	119.2
77	112.7	81.3	121.9



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328031.D
Acq On : 24 Nov 2025 9:24 pm
Operator : BGL
Sample : 25K1213-02
Misc :

Quant Time : Tue Nov 25 10:42:09 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
N-Nitrosodimethylamine



Original Int. Results

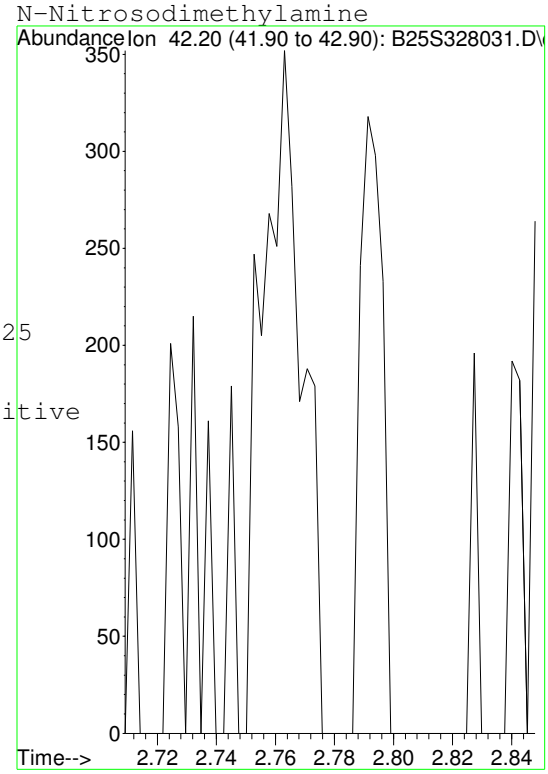
RT : 2.76
Area : 331
Amount: 0.314872

Manual Int. Results

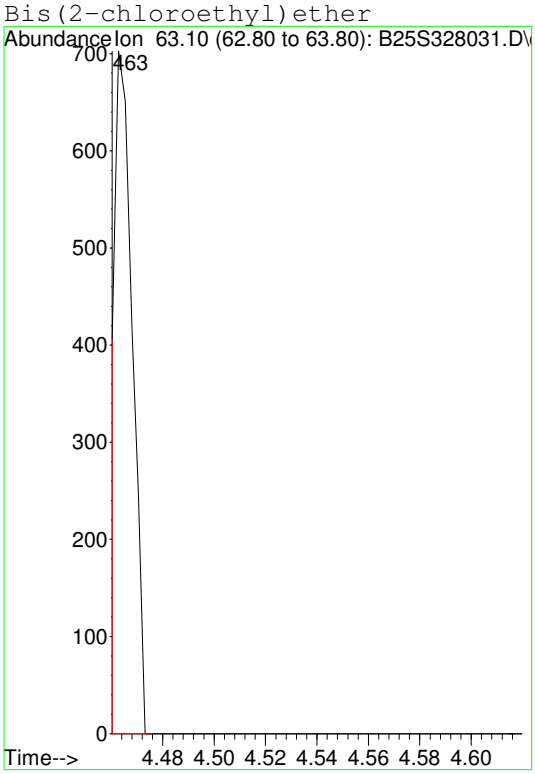
Tue Nov 25 10:41:20 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
N-Nitrosodimethylamine



Original Integration
Bis(2-chloroethyl)ether



Original Int. Results

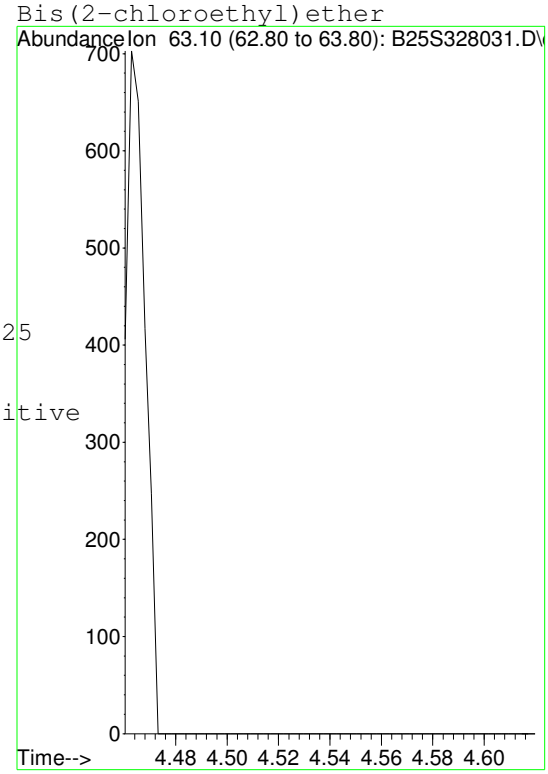
RT : 4.46
Area : 488
Amount: 0.32215

Manual Int. Results

Tue Nov 25 10:41:20 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

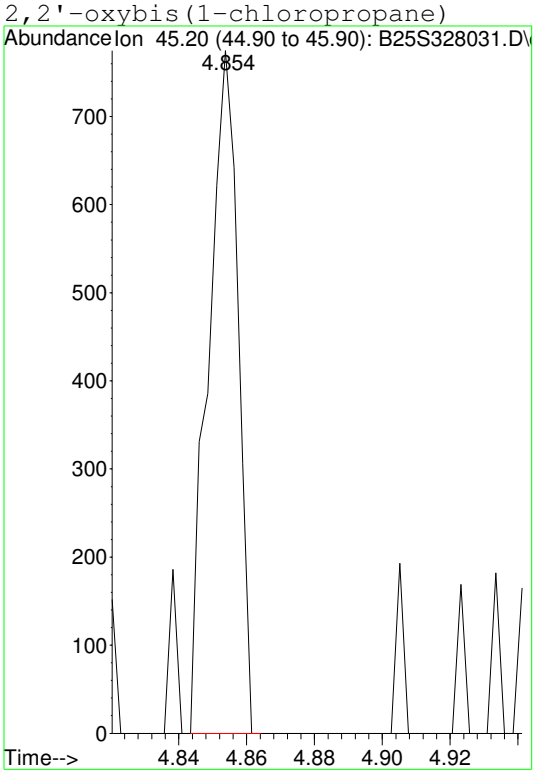
Manual Integration
Bis(2-chloroethyl)ether



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328031.D
Acq On : 24 Nov 2025 9:24 pm
Operator : BGL
Sample : 25K1213-02
Misc :

Quant Time : Tue Nov 25 10:42:09 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
2,2'-oxybis(1-chloropropane)



Original Int. Results

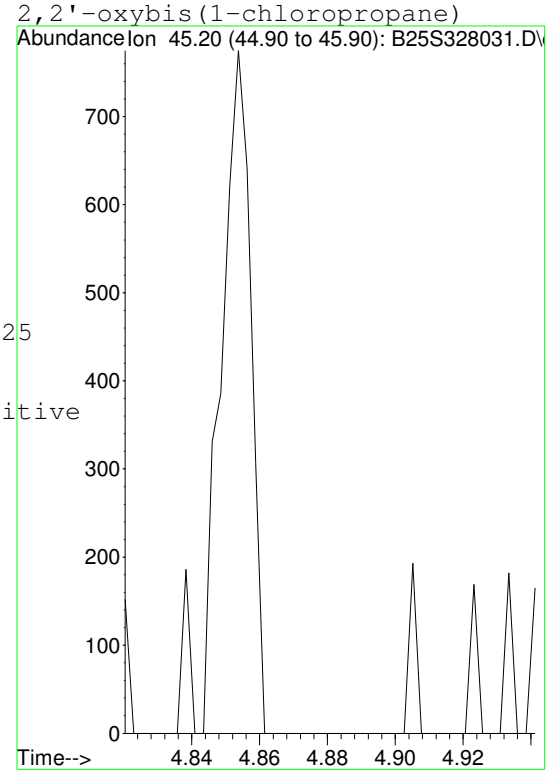
RT : 4.85
Area : 472
Amount: 0.192199

Manual Int. Results

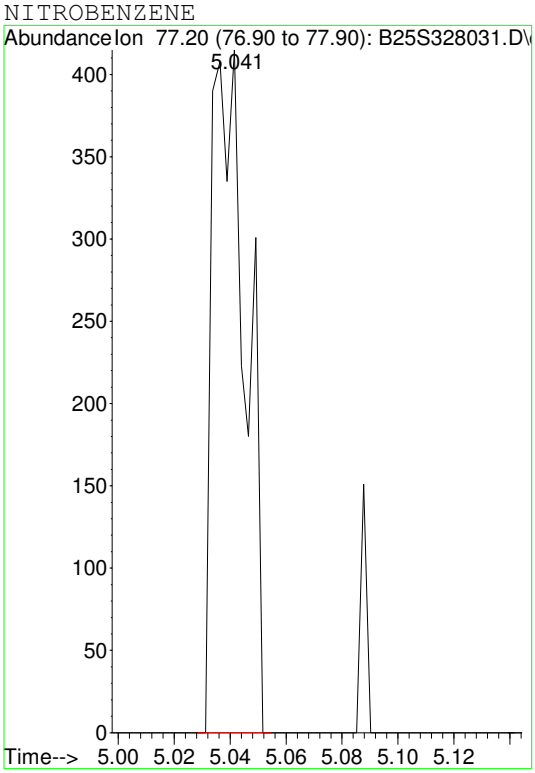
Tue Nov 25 10:41:20 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2,2'-oxybis(1-chloropropane)



Original Integration
NITROBENZENE



Original Int. Results

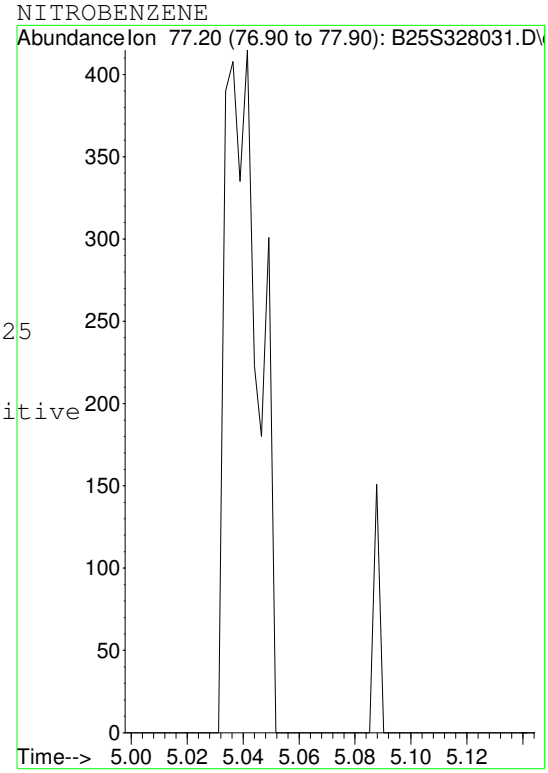
RT : 5.04
Area : 347
Amount: 0.157827

Manual Int. Results

Tue Nov 25 10:41:20 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

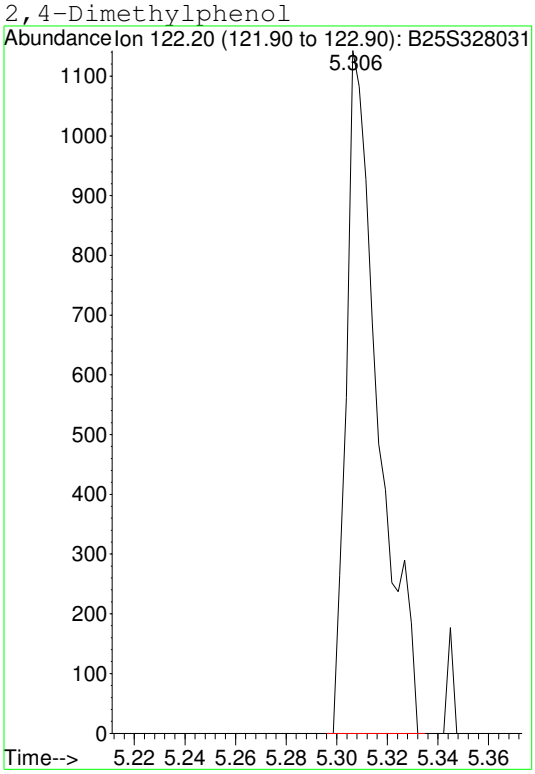
Manual Integration
NITROBENZENE



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328031.D
Acq On : 24 Nov 2025 9:24 pm
Operator : BGL
Sample : 25K1213-02
Misc :

Quant Time : Tue Nov 25 10:42:09 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
2,4-Dimethylphenol



Original Int. Results

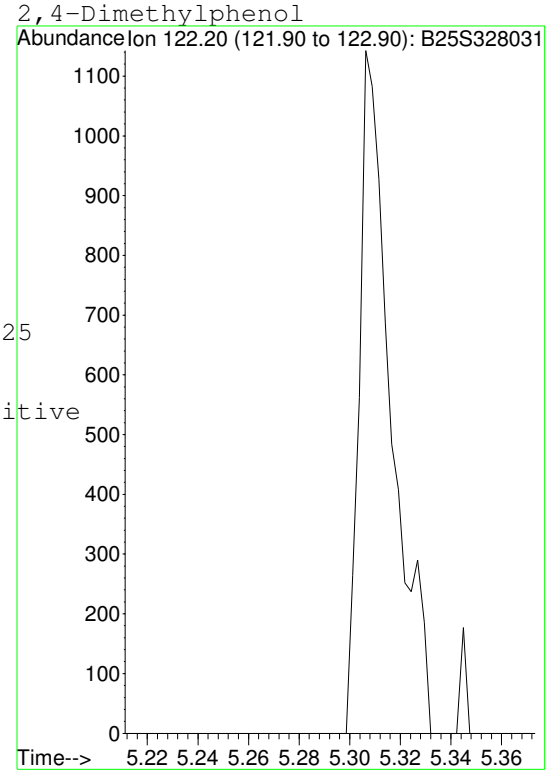
RT : 5.31
Area : 1006
Amount: 0.574417

Manual Int. Results

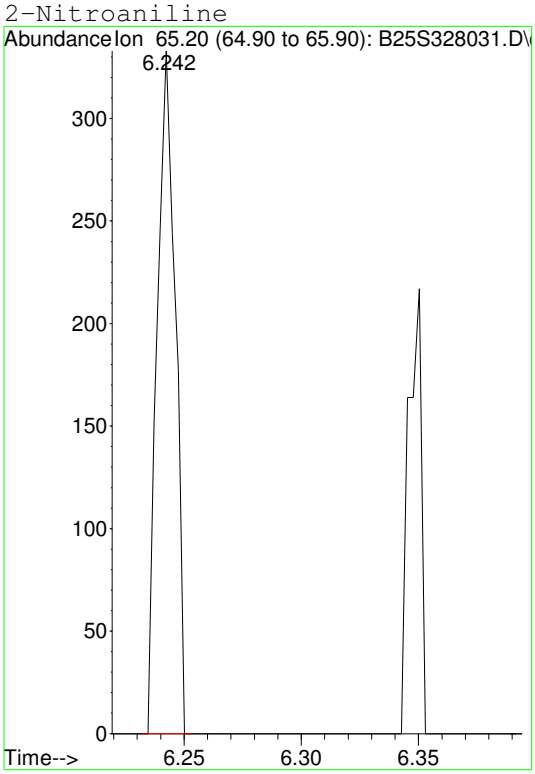
Tue Nov 25 10:41:19 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2,4-Dimethylphenol



Original Integration
2-Nitroaniline



Original Int. Results

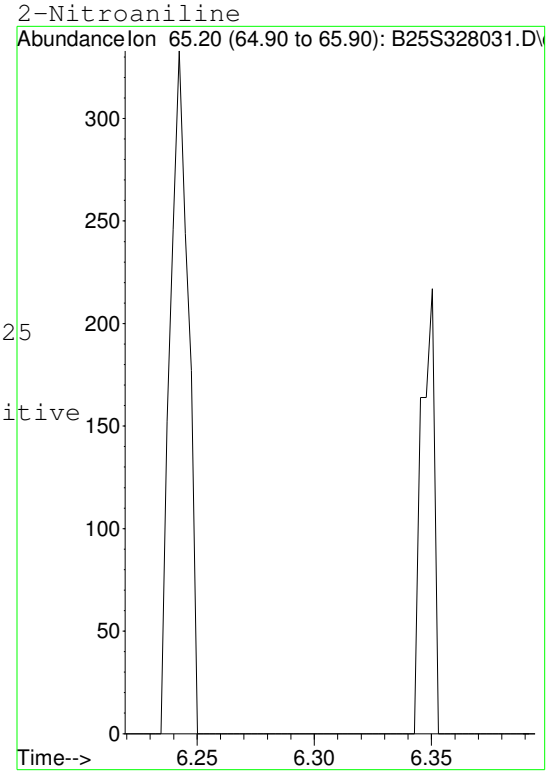
RT : 6.24
Area : 178
Amount: 0.165388

Manual Int. Results

Tue Nov 25 10:41:50 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

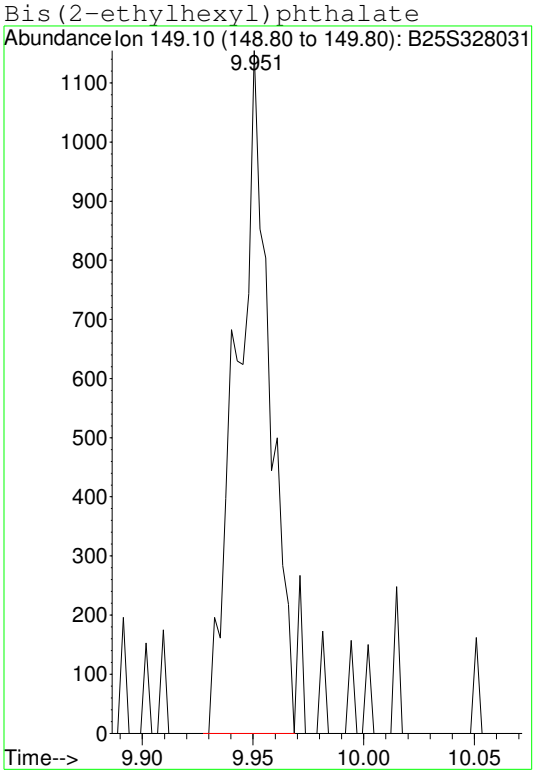
Manual Integration
2-Nitroaniline



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328031.D
Acq On : 24 Nov 2025 9:24 pm
Operator : BGL
Sample : 25K1213-02
Misc :

Quant Time : Tue Nov 25 10:42:09 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Bis(2-ethylhexyl)phthalate



Original Int. Results

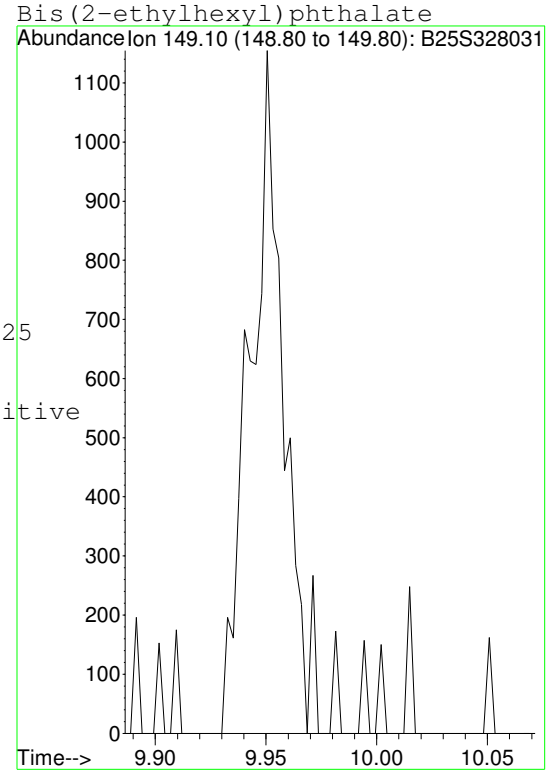
RT : 9.95
Area : 1187
Amount: 0.377316

Manual Int. Results

Tue Nov 25 10:42:09 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Bis(2-ethylhexyl)phthalate



1 - FORM I
ANALYSIS DATA SHEET

C-3 (0-2in)

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-03	File ID:	B25S328032.D
Sampled:	11/17/25 14:00	Prepared:	11/20/25 15:25	Analyzed:	11/24/25 21:48
Solids:	74.55	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.08 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833
Instrument:	GCMSSV2				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol		0.064	0.90	
1912-24-9	Atrazine		0.062	0.90	
100-52-7	Benzaldehyde	0.33	0.063	0.45	-04, V-05, V-34,
92-52-4	Biphenyl		0.051	0.090	
105-60-2	Caprolactam		0.079	0.45	
83-32-9	Acenaphthene		0.0050	0.044	
208-96-8	Acenaphthylene	0.0085	0.0056	0.044	J
98-86-2	Acetophenone		0.048	0.45	
62-53-3	Aniline		0.086	0.45	V-34
120-12-7	Anthracene	0.0076	0.0051	0.044	J
56-55-3	Benzo(a)anthracene	0.039	0.0070	0.044	J
50-32-8	Benzo(a)pyrene	0.052	0.015	0.044	
205-99-2	Benzo(b)fluoranthene	0.082	0.011	0.044	
191-24-2	Benzo(g,h,i)perylene	0.044	0.018	0.044	J
207-08-9	Benzo(k)fluoranthene	0.029	0.0091	0.044	J
111-91-1	Bis(2-chloroethoxy)methane		0.046	0.45	
111-44-4	Bis(2-chloroethyl)ether		0.060	0.45	
108-60-1	2,2'-oxybis(1-Chloropropane)		0.18	0.45	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.062	0.45	
101-55-3	4-Bromophenylphenylether		0.040	0.45	
85-68-7	Butylbenzylphthalate		0.052	0.45	
86-74-8	Carbazole		0.047	0.23	
106-47-8	4-Chloroaniline		0.073	0.88	
59-50-7	4-Chloro-3-methylphenol		0.048	0.88	
91-58-7	2-Chloronaphthalene		0.040	0.45	
95-57-8	2-Chlorophenol		0.040	0.45	
7005-72-3	4-Chlorophenylphenylether		0.042	0.45	
218-01-9	Chrysene	0.058	0.0058	0.044	
53-70-3	Dibenz(a,h)anthracene		0.020	0.044	

1 - FORM I
ANALYSIS DATA SHEET

C-3 (0-2in)

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-03	File ID:	B25S328032.D
Sampled:	11/17/25 14:00	Prepared:	11/20/25 15:25	Analyzed:	11/24/25 21:48
Solids:	74.55	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.08 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
132-64-9	Dibenzofuran		0.044	0.45	
84-74-2	Di-n-butylphthalate		0.17	0.45	
91-94-1	3,3-Dichlorobenzidine		0.081	0.23	
120-83-2	2,4-Dichlorophenol		0.043	0.45	
84-66-2	Diethylphthalate		0.044	0.45	
105-67-9	2,4-Dimethylphenol		0.094	0.45	
131-11-3	Dimethylphthalate		0.040	0.45	
534-52-1	4,6-Dinitro-2-methylphenol		0.37	0.45	
51-28-5	2,4-Dinitrophenol		0.43	0.88	V-04, V-06
121-14-2	2,4-Dinitrotoluene		0.11	0.45	
606-20-2	2,6-Dinitrotoluene		0.057	0.45	
117-84-0	Di-n-octylphthalate		0.067	0.45	
206-44-0	Fluoranthene	0.10	0.0063	0.044	
86-73-7	Fluorene		0.0054	0.044	
118-74-1	Hexachlorobenzene		0.046	0.45	
87-68-3	Hexachlorobutadiene		0.047	0.45	
77-47-4	Hexachlorocyclopentadiene		0.23	0.45	
67-72-1	Hexachloroethane		0.041	0.45	
193-39-5	Indeno(1,2,3-cd)pyrene	0.046	0.018	0.044	
78-59-1	Isophorone		0.049	0.45	
90-12-0	1-Methylnaphthalene		0.0056	0.044	
91-57-6	2-Methylnaphthalene		0.0051	0.044	
95-48-7	2-Methylphenol		0.057	0.45	
108-39-4/106-4	3/4-Methylphenol		0.074	0.45	
91-20-3	Naphthalene	0.0089	0.0064	0.044	J
88-74-4	2-Nitroaniline		0.070	0.45	
99-09-2	3-Nitroaniline		0.059	0.45	
100-01-6	4-Nitroaniline		0.064	0.45	
98-95-3	Nitrobenzene		0.051	0.45	

1 - FORM I
ANALYSIS DATA SHEET

C-3 (0-2in)

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-03	File ID:	B25S328032.D
Sampled:	11/17/25 14:00	Prepared:	11/20/25 15:25	Analyzed:	11/24/25 21:48
Solids:	74.55	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.08 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833
				Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
88-75-5	2-Nitrophenol		0.047	0.45	
100-02-7	4-Nitrophenol		0.18	0.88	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.059	0.45	
621-64-7	N-Nitrosodi-n-propylamine		0.056	0.45	
87-86-5	Pentachlorophenol		0.058	0.45	
85-01-8	Phenanthrene	0.044	0.0045	0.044	
108-95-2	Phenol	0.054	0.043	0.45	J
129-00-0	Pyrene	0.068	0.0076	0.044	
110-86-1	Pyridine		0.058	0.45	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.044	0.45	
95-95-4	2,4,5-Trichlorophenol		0.046	0.45	
88-06-2	2,4,6-Trichlorophenol		0.040	0.45	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328032.D
Acq On : 24 Nov 2025 9:48 pm
Operator : BGL
Sample : 25K1213-03 Inst : GCMSSV2
Misc :
ALS Vial : 32 Sample Multiplier: 1

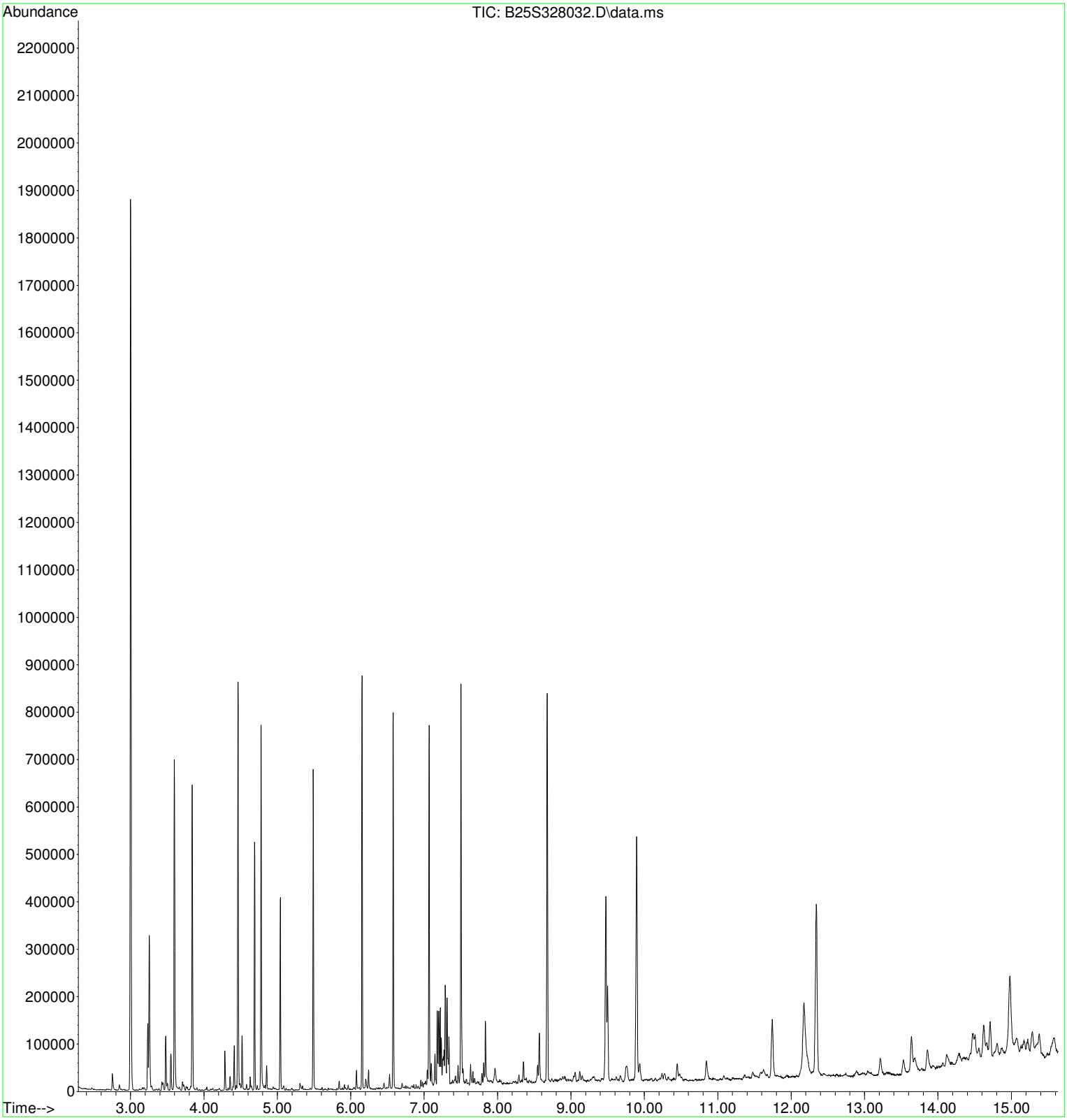
Quant Time: Nov 24 22:04:41 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

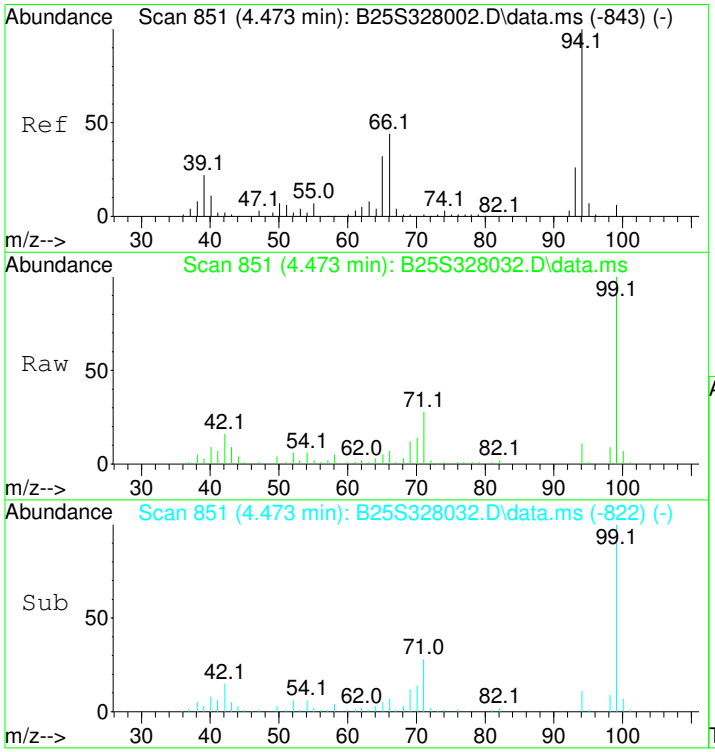
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.689	152	55452	40.00	ug/ml	-0.01
19) NAPHTHALENE-d8	5.489	136	216433	40.00	ug/ml	-0.01
35) ACENAPHTHENE-D10	6.579	164	117339	40.00	ug/ml	-0.01
58) PHENANTHRENE-D10	7.502	188	205272	40.00	ug/ml	-0.01
71) CHRYSENE-D12	9.896	240	211096	40.00	ug/ml	-0.02
80) PERYLENE-D12	12.345	264	209227	40.00	ug/ml	-0.02
88) 1,4-Dichlorobenzene-D4...	4.689	152	55452	40.00	ug/ml	-0.01
92) NAPHTHALENE-d8 (2)	5.489	136	216433	40.00	ug/ml	-0.01
95) ACENAPHTHENE-D10 (2)	6.579	164	117339	40.00	ug/ml	-0.01
System Monitoring Compounds						
2) 2-Fluorophenol	3.840	112	133297	86.04	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 43.02%			
3) Phenol-d6	4.463	99	223626	87.54	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 43.77%			
20) Nitrobenzene-d5	5.041	82	93204	43.27	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 43.27%			
36) 2-Fluorobiphenyl	6.155	172	180686	46.64	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 46.64%			
37) 2,4,6-Tribromophenol	7.068	330	54348	104.29	ug/ml	-0.01
Spiked Amount 200.000	Range 30 - 130		Recovery = 52.15%			
72) p-Terphenyl-d14	8.675	244	216444	49.51	ug/ml	-0.02
Spiked Amount 100.000	Range 30 - 130		Recovery = 49.51%			
Target Compounds						Qvalue
7) Phenol	4.473	94	3375	1.21	ug/ml#	1
15) Acetophenone	4.944	105	1041	0.36	ug/ml#	64
26) Benzoic Acid	5.309	122	2125	1.99	ug/ml	88
29) Naphthalene	5.502	128	1210	0.20	ug/ml	93
47) Acenaphthylene	6.492	152	1071	0.19	ug/ml	93
66) Phenanthrene	7.515	178	6353	0.99	ug/ml	90
67) Anthracene	7.546	178	1093	0.17	ug/ml	85
68) Carbazole	7.646	167	916	0.15	ug/ml	87
70) Flouranthene	8.354	202	14309	2.26	ug/ml	97
74) Pyrene	8.546	202	11836	1.53	ug/ml	93
77) Benzo(a)anthracene	9.879	228	6173	0.87	ug/ml	86
78) Chrysene	9.930	228	9067	1.29	ug/ml	93
79) Bis(2-ethylhexyl)phtha...	9.950	149	2853	0.88	ug/ml	93
82) Benzo(b)fluoranthene	11.622	252	11743	1.83	ug/ml	90
83) Benzo(k)fluoranthene	11.673	252	4119	0.65	ug/ml	91
84) Benzo(a)pyrene	12.226	252	6928	1.16	ug/ml	85
85) Indeno(1,2,3-cd)pyrene	14.294	276	5518	1.04	ug/ml#	61
86) Dibenz(a,h)anthracene	14.338	278	1364	0.25	ug/ml#	76
87) Benzo(g,h,i)perylene	14.667	276	5785	0.98	ug/ml	90
90) Benzaldehyde	4.411	106	13460	7.30	ug/ml	96
91) Benzyl Alcohol	4.779	108	82664	62.62	ug/ml	96

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

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328032.D
Acq On : 24 Nov 2025 9:48 pm
Operator : BGL
Sample : 25K1213-03 Inst : GCMSSV2
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Nov 24 22:04:41 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

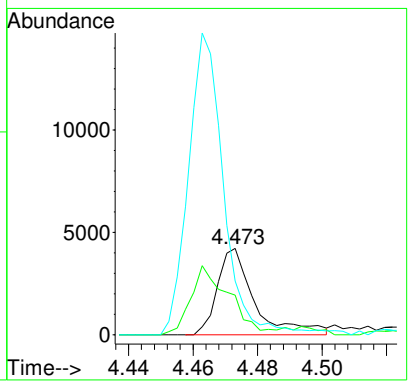


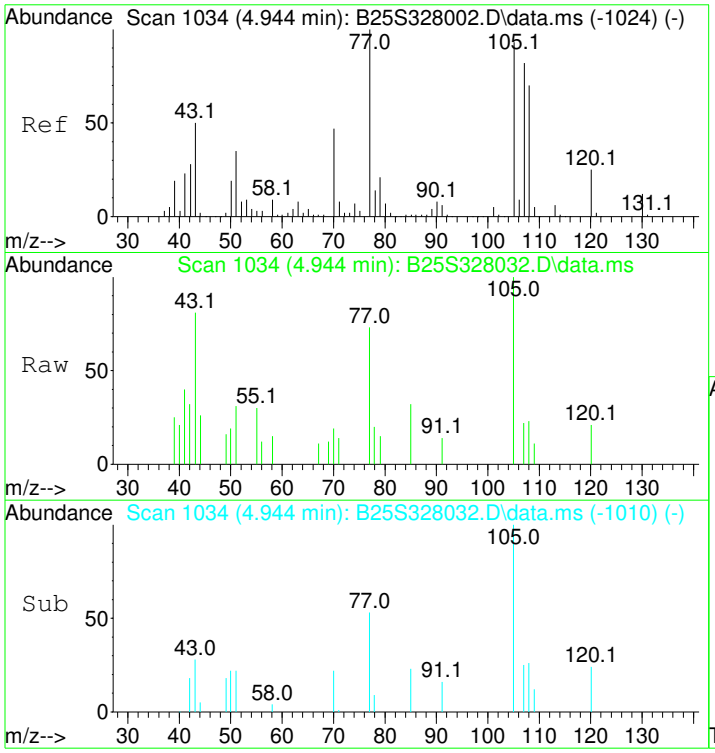


#7
Phenol
Concen: 1.21 ug/ml
RT: 4.473 min Scan# 851
Delta R.T. -0.003 min
Lab File: B25S328032.D
Acq: 24 Nov 2025 9:48 pm

Tgt Ion: 94 Resp: 3375

Ion	Ratio	Lower	Upper
94	100		
65	83.6	8.0	48.0#
66	332.1	21.2	61.2#

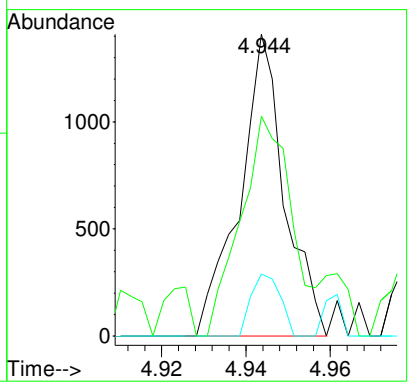


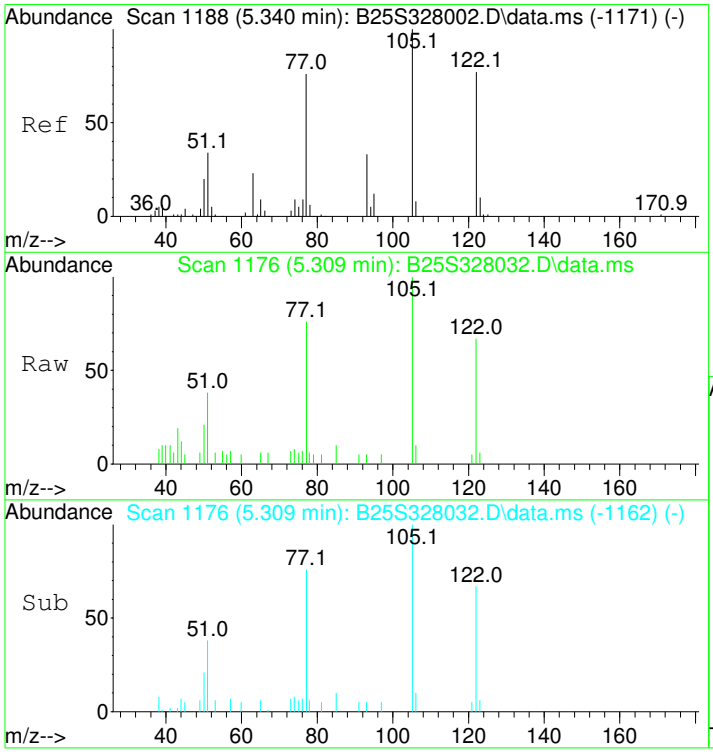


#15
Acetophenone
Concen: 0.36 ug/ml
RT: 4.944 min Scan# 1034
Delta R.T. -0.013 min
Lab File: B25S328032.D
Acq: 24 Nov 2025 9:48 pm

Tgt Ion:105 Resp: 1041

Ion	Ratio	Lower	Upper
105	100		
77	82.9	105.8	145.8#
120	13.4	7.8	47.8

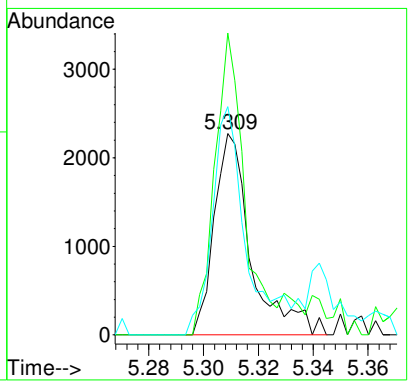


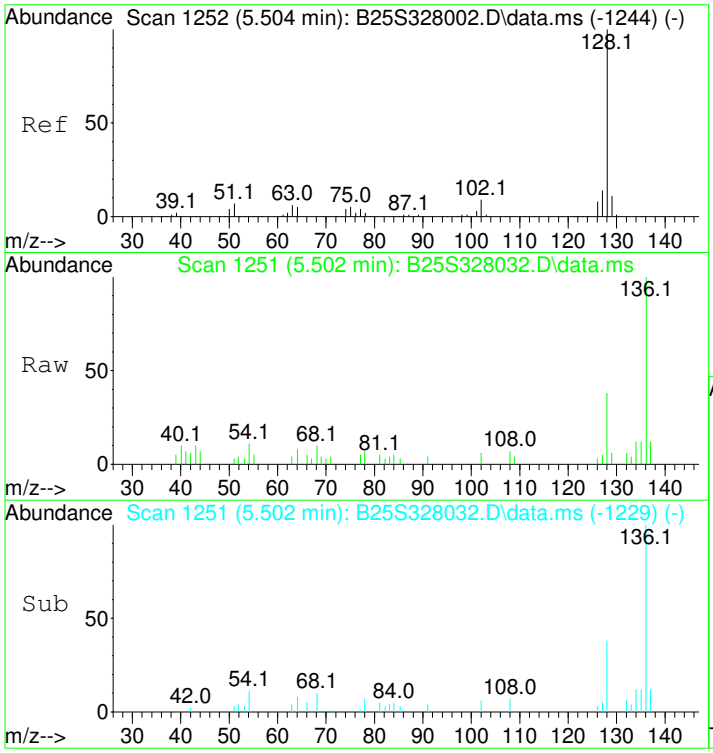


#26
Benzoic Acid
Concen: 1.99 ug/ml
RT: 5.309 min Scan# 1176
Delta R.T. -0.031 min
Lab File: B25S328032.D
Acq: 24 Nov 2025 9:48 pm

Tgt Ion:122 Resp: 2125

Ion	Ratio	Lower	Upper
122	100		
105	120.4	95.4	135.4
77	103.7	64.2	104.2

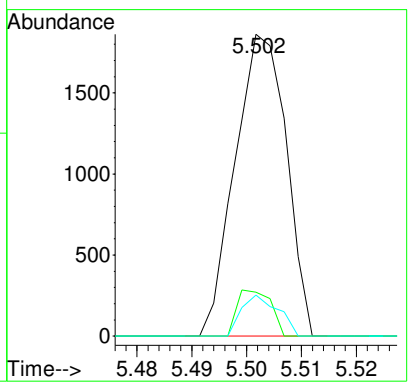


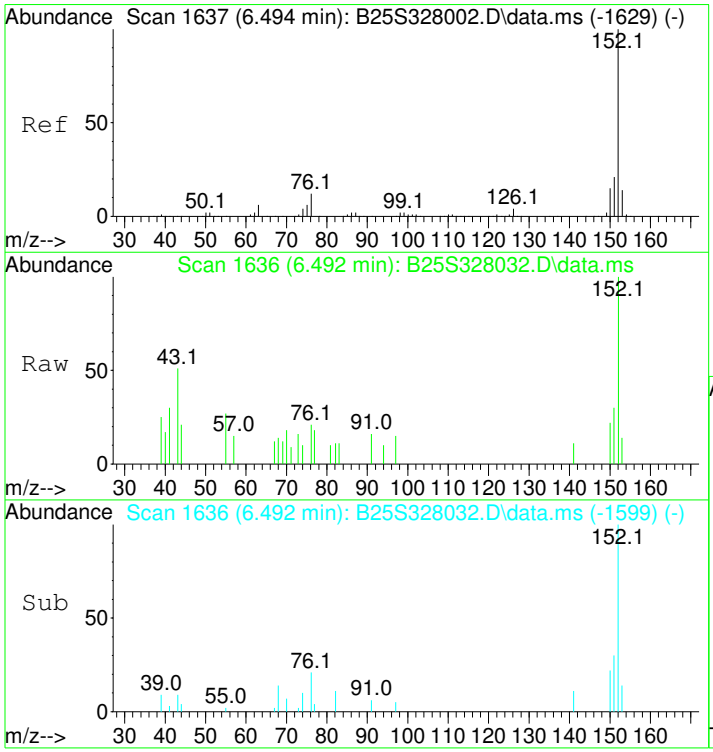


#29
Naphthalene
Concen: 0.20 ug/ml
RT: 5.502 min Scan# 1251
Delta R.T. -0.015 min
Lab File: B25S328032.D
Acq: 24 Nov 2025 9:48 pm

Tgt Ion:128 Resp: 1210

Ion	Ratio	Lower	Upper
128	100		
129	10.0	0.0	31.1
127	9.8	0.0	34.2

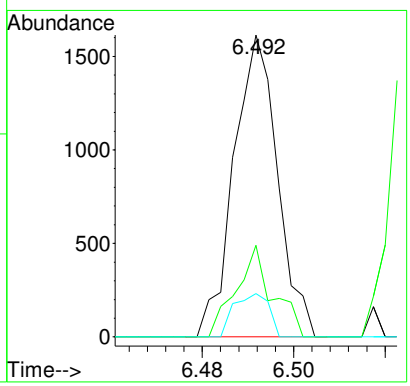


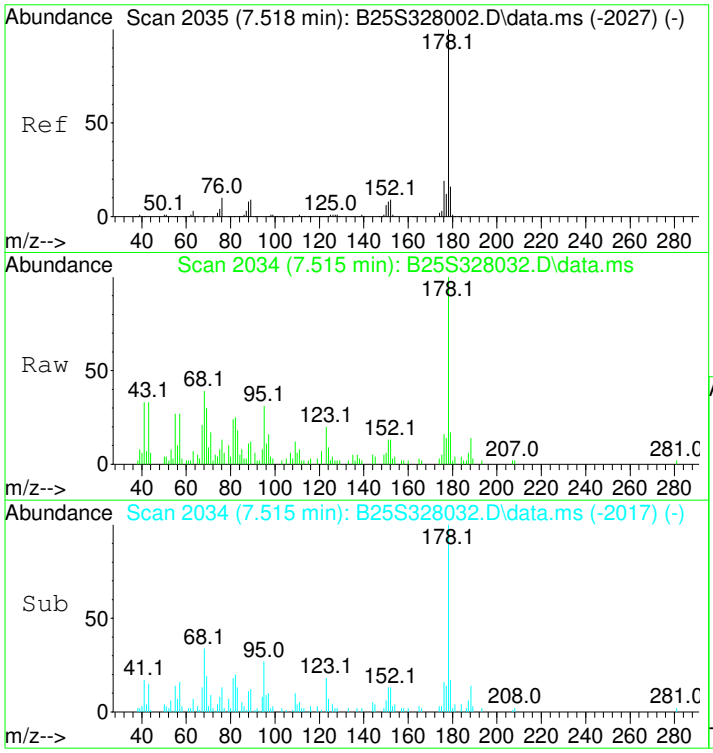


#47
Acenaphthylene
Concen: 0.19 ug/ml
RT: 6.492 min Scan# 1636
Delta R.T. -0.013 min
Lab File: B25S328032.D
Acq: 24 Nov 2025 9:48 pm

Tgt Ion:152 Resp: 1071

Ion	Ratio	Lower	Upper
152	100		
151	25.4	1.0	41.0
153	11.5	0.0	33.1

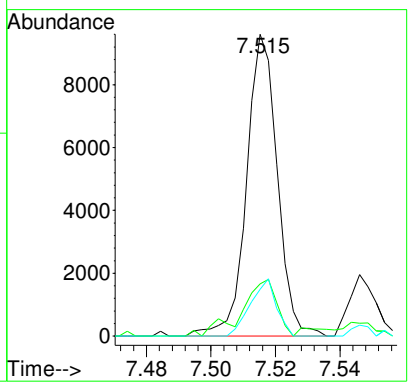


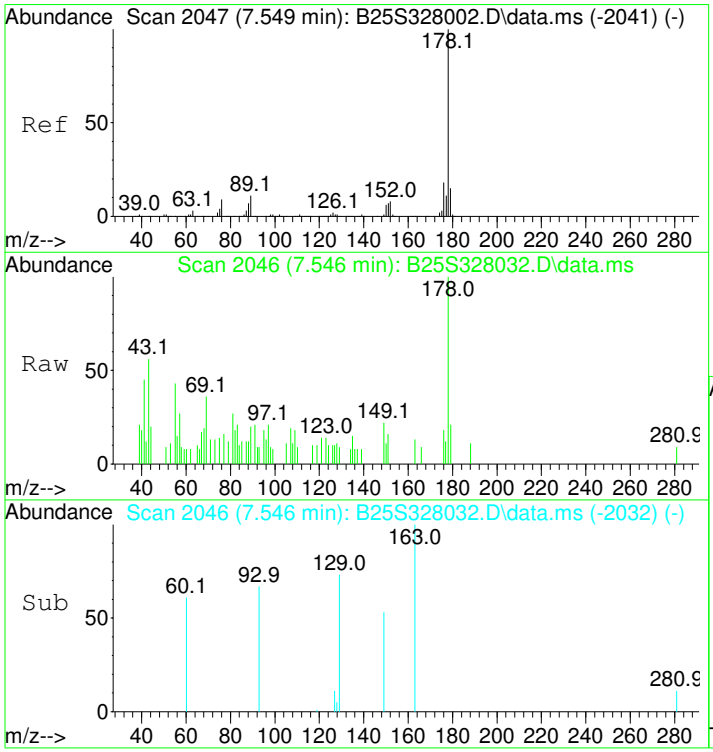


#66
Phenanthrene
Concen: 0.99 ug/ml
RT: 7.515 min Scan# 2034
Delta R.T. -0.013 min
Lab File: B25S328032.D
Acq: 24 Nov 2025 9:48 pm

Tgt Ion:178 Resp: 6353

Ion	Ratio	Lower	Upper
178	100		
179	21.5	0.0	35.5
176	15.9	0.0	39.0

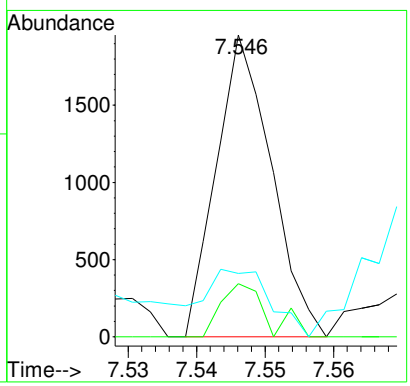


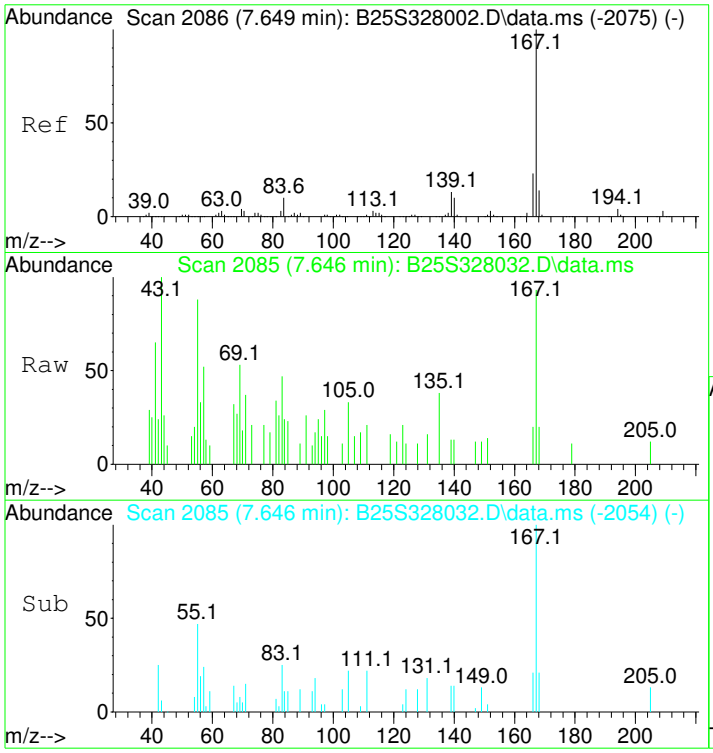


#67
Anthracene
Concen: 0.17 ug/ml
RT: 7.546 min Scan# 2046
Delta R.T. -0.015 min
Lab File: B25S328032.D
Acq: 24 Nov 2025 9:48 pm

Tgt Ion:178 Resp: 1093

Ion	Ratio	Lower	Upper
178	100		
176	14.8	0.0	38.3
179	25.7	0.0	35.5

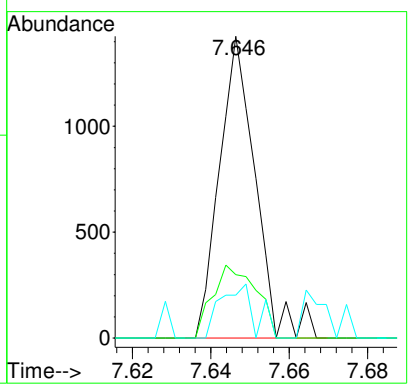


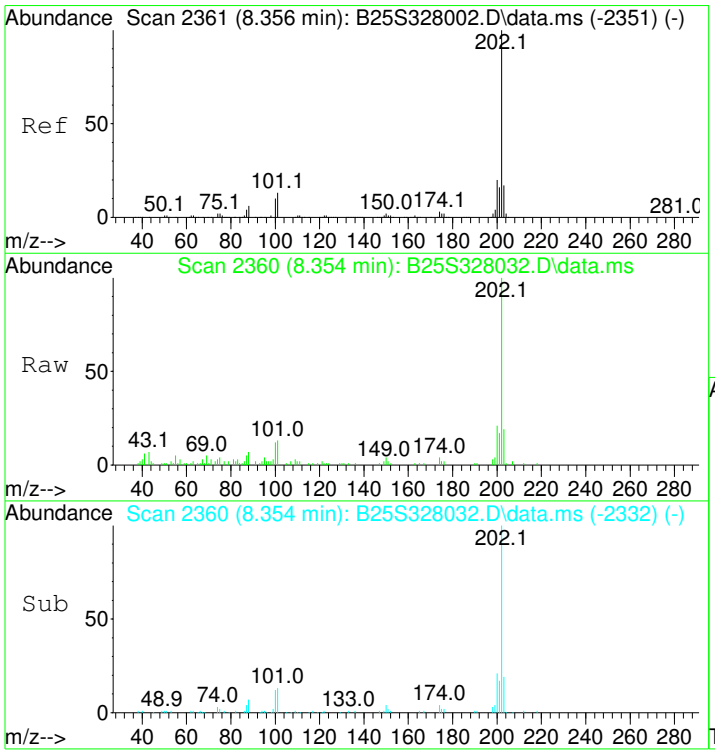


#68
Carbazole
Concen: 0.15 ug/ml
RT: 7.646 min Scan# 2085
Delta R.T. -0.010 min
Lab File: B25S328032.D
Acq: 24 Nov 2025 9:48 pm

Tgt Ion:167 Resp: 916

Ion	Ratio	Lower	Upper
167	100		
166	28.9	1.9	41.9
139	17.1	0.0	33.5

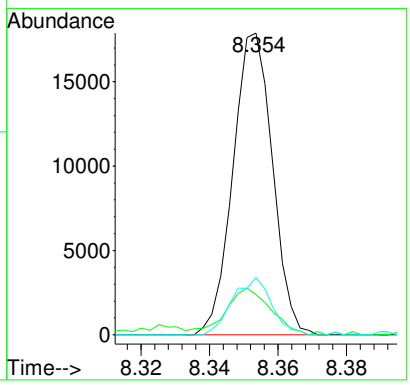


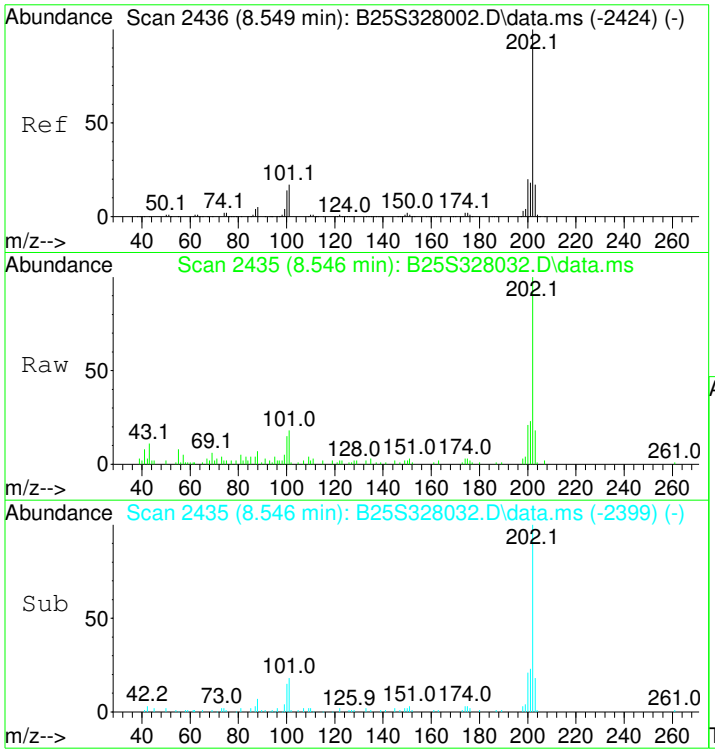


#70
Flouranthene
Concen: 2.26 ug/ml
RT: 8.354 min Scan# 2360
Delta R.T. -0.013 min
Lab File: B25S328032.D
Acq: 24 Nov 2025 9:48 pm

Tgt Ion:202 Resp: 14309

Ion	Ratio	Lower	Upper
202	100		
101	17.6	0.0	36.2
203	18.8	0.0	37.5

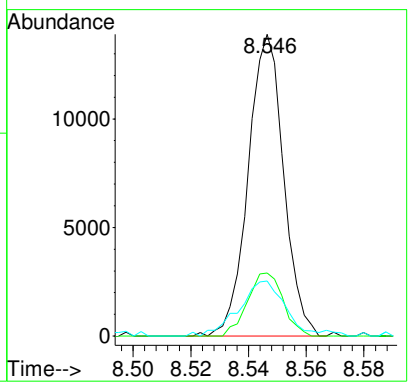


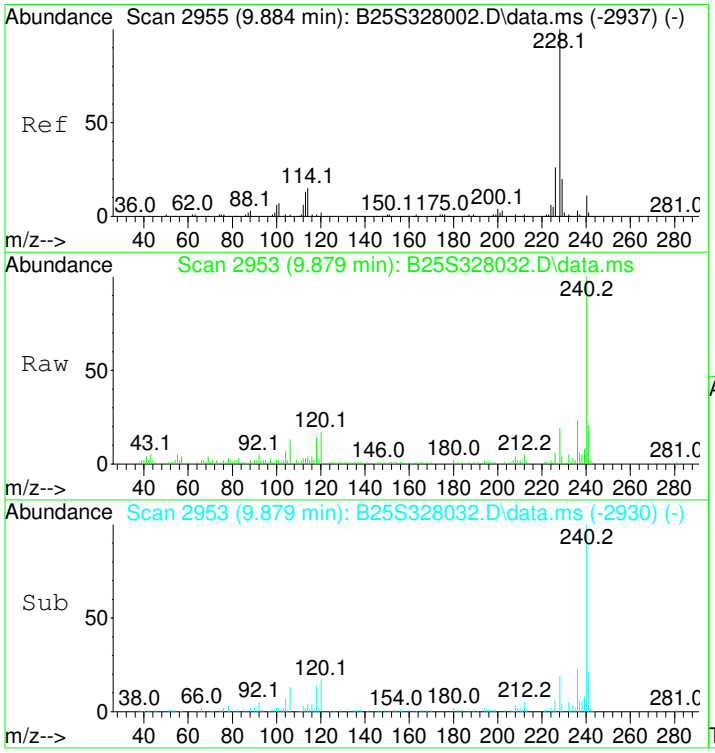


#74
Pyrene
Concen: 1.53 ug/ml
RT: 8.546 min Scan# 2435
Delta R.T. -0.015 min
Lab File: B25S328032.D
Acq: 24 Nov 2025 9:48 pm

Tgt Ion:202 Resp: 11836

Ion	Ratio	Lower	Upper
202	100		
200	21.0	0.1	40.1
203	23.5	0.0	38.1

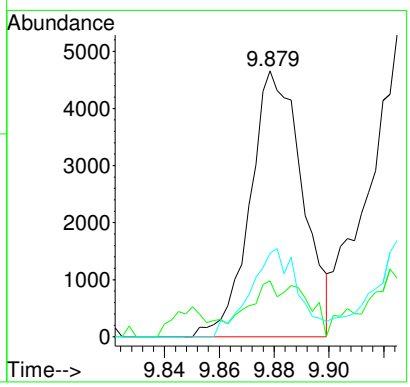


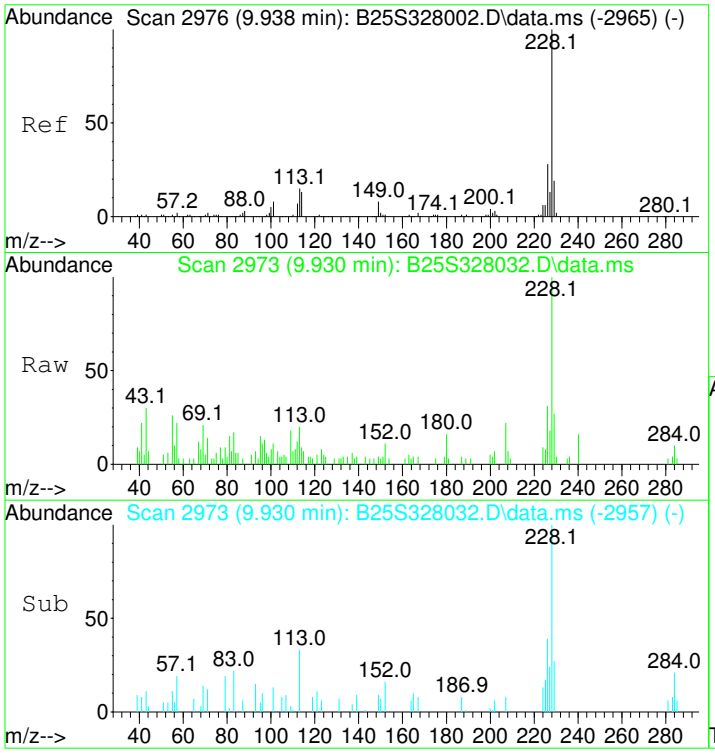


#77
Benzo(a)anthracene
Concen: 0.87 ug/ml
RT: 9.879 min Scan# 2953
Delta R.T. -0.023 min
Lab File: B25S328032.D
Acq: 24 Nov 2025 9:48 pm

Tgt Ion:228 Resp: 6173

Ion	Ratio	Lower	Upper
228	100		
229	11.4	0.0	38.9
226	30.6	4.9	44.9

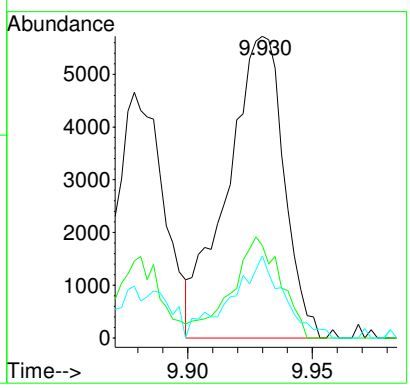


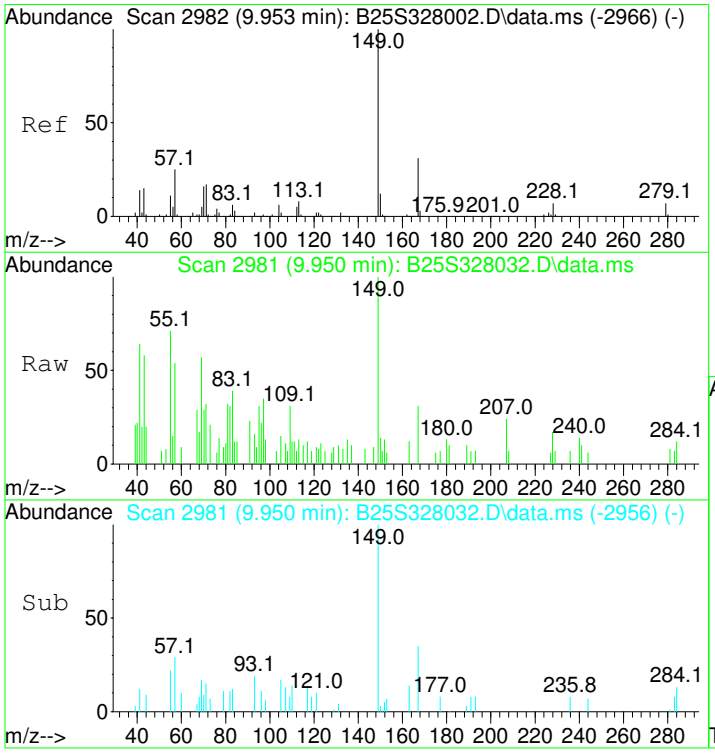


#78
Chrysene
Concen: 1.29 ug/ml
RT: 9.930 min Scan# 2973
Delta R.T. -0.023 min
Lab File: B25S328032.D
Acq: 24 Nov 2025 9:48 pm

Tgt Ion:228 Resp: 9067

Ion	Ratio	Lower	Upper
228	100		
226	29.1	8.1	48.1
229	24.9	0.0	38.9

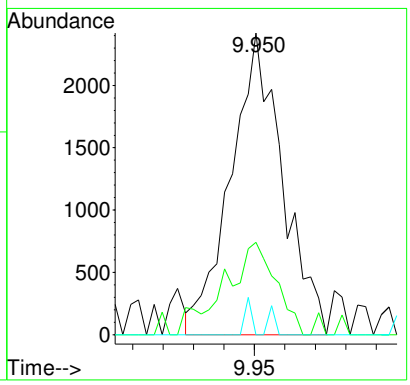


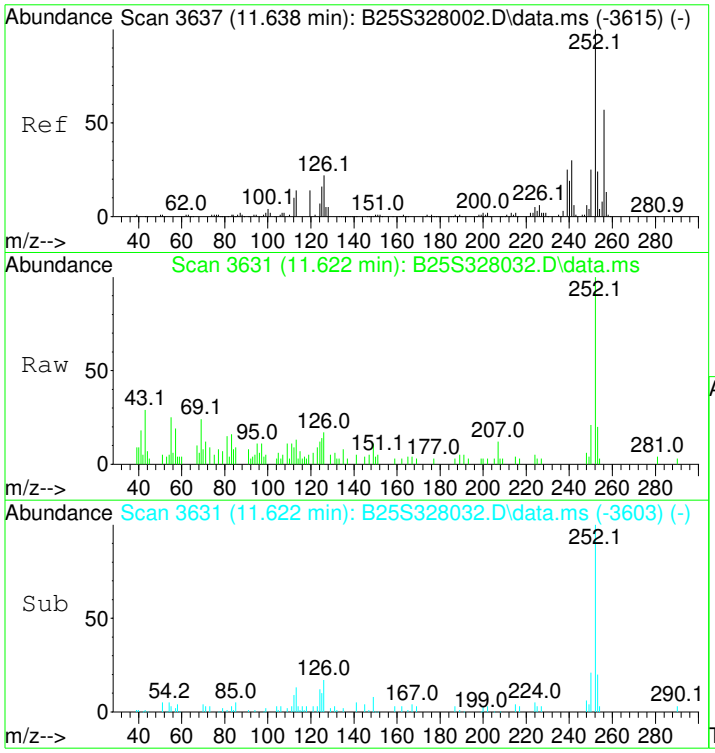


#79
Bis(2-ethylhexyl)phthalate
Concen: 0.88 ug/ml
RT: 9.950 min Scan# 2981
Delta R.T. -0.026 min
Lab File: B25S328032.D
Acq: 24 Nov 2025 9:48 pm

Tgt Ion:149 Resp: 2853

Ion	Ratio	Lower	Upper
149	100		
167	27.7	10.2	50.2
279	1.6	0.0	27.3

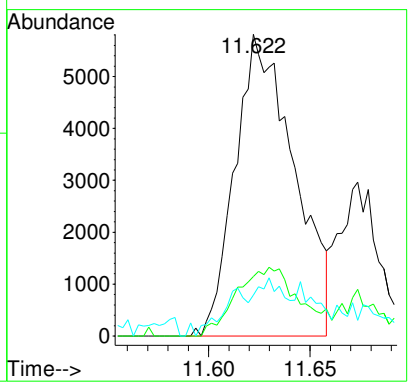


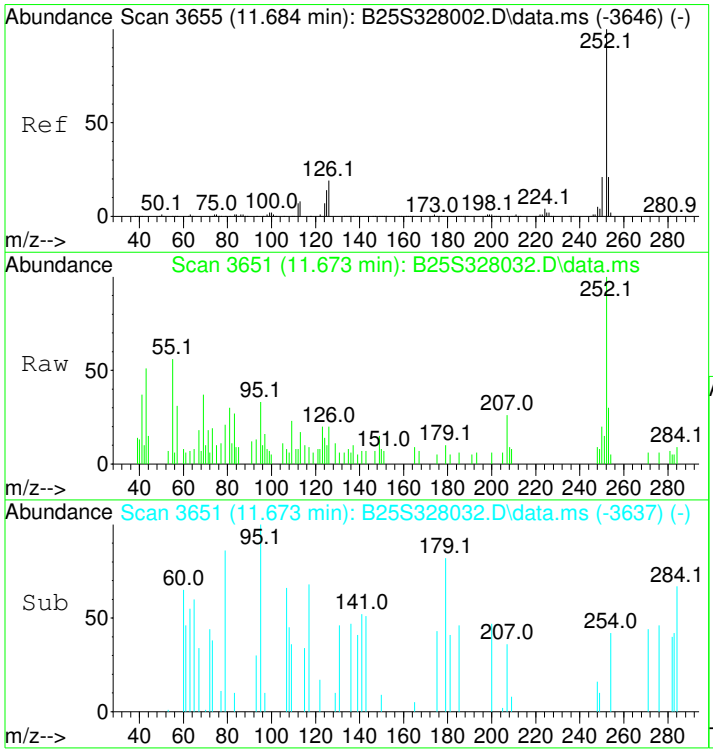


#82
Benzo(b)fluoranthene
Concen: 1.83 ug/ml
RT: 11.622 min Scan# 3631
Delta R.T. -0.031 min
Lab File: B25S328032.D
Acq: 24 Nov 2025 9:48 pm

Tgt Ion:252 Resp: 11743

Ion	Ratio	Lower	Upper
252	100		
253	24.8	2.2	42.2
125	7.6	0.0	34.5

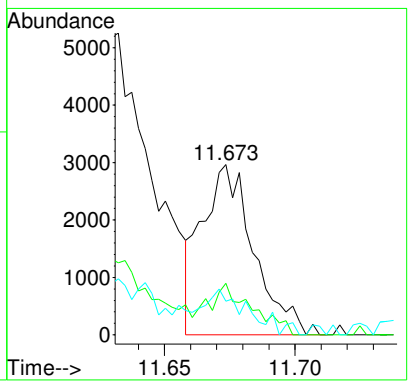


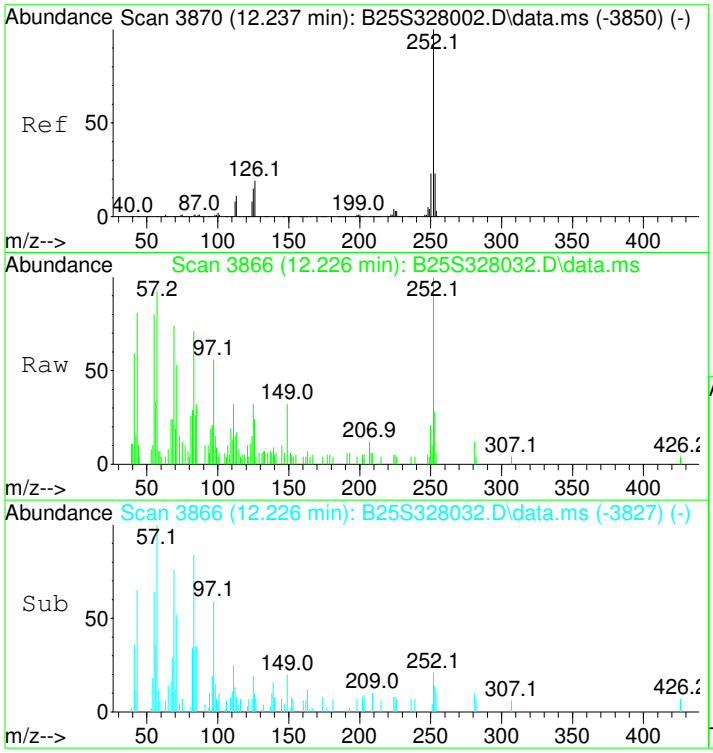


#83
Benzo(k)fluoranthene
Concen: 0.65 ug/ml
RT: 11.673 min Scan# 3651
Delta R.T. -0.031 min
Lab File: B25S328032.D
Acq: 24 Nov 2025 9:48 pm

Tgt Ion:252 Resp: 4119

Ion	Ratio	Lower	Upper
252	100		
253	25.5	0.7	40.7
126	23.0	0.0	39.4

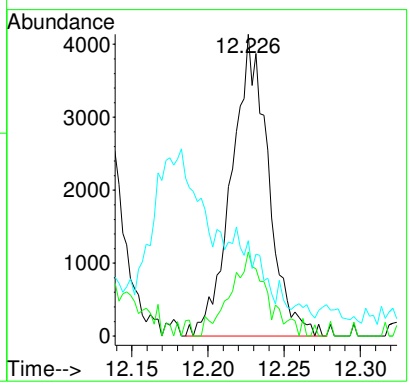


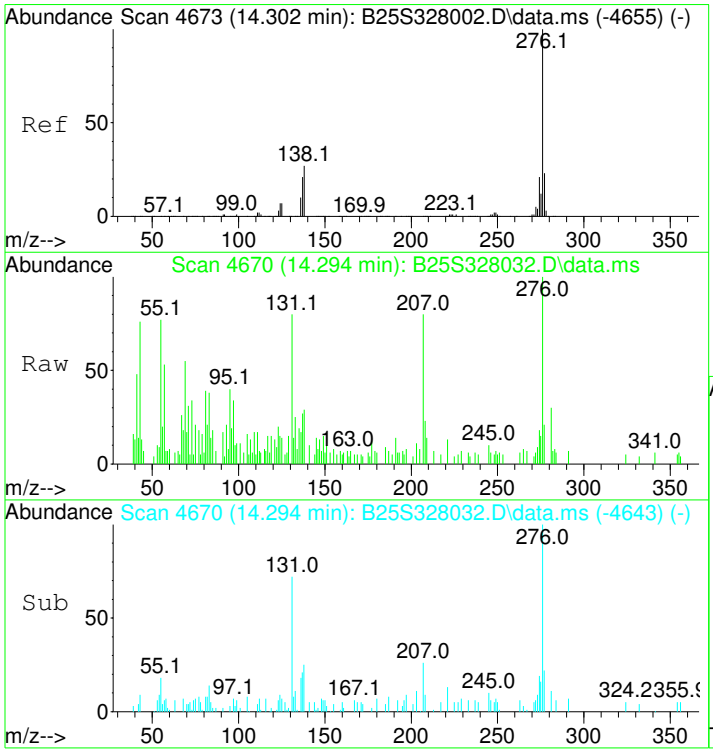


#84
Benzo(a)pyrene
Concen: 1.16 ug/ml
RT: 12.226 min Scan# 3866
Delta R.T. -0.026 min
Lab File: B25S328032.D
Acq: 24 Nov 2025 9:48 pm

Tgt Ion:252 Resp: 6928

Ion	Ratio	Lower	Upper
252	100		
253	27.7	0.4	40.4
125	19.3	0.0	34.0

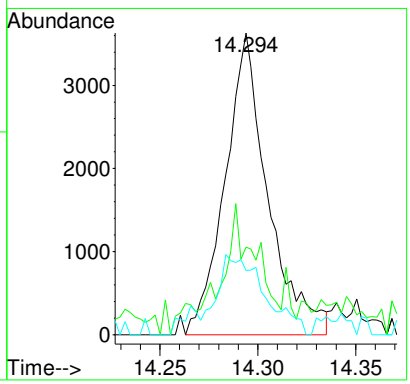


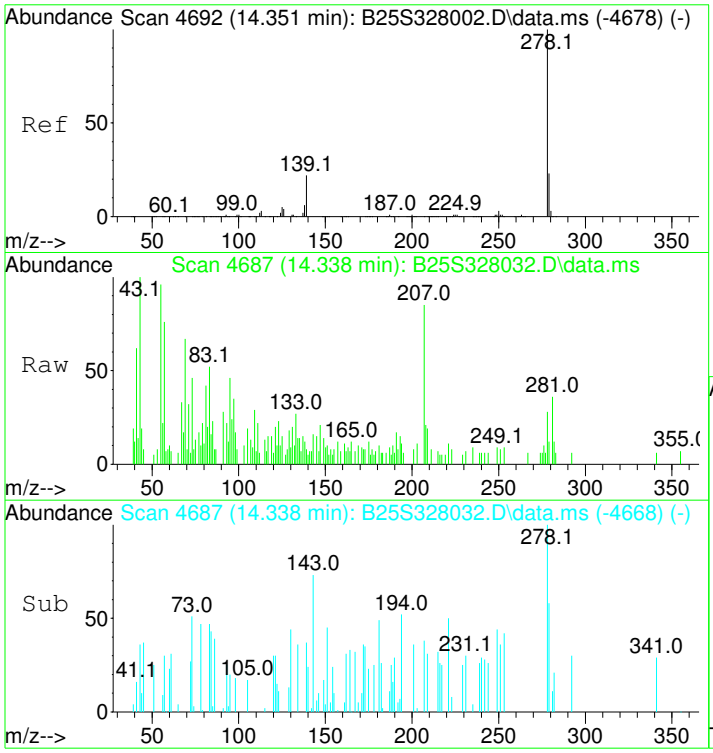


#85
Indeno(1,2,3-cd)pyrene
Concen: 1.04 ug/ml
RT: 14.294 min Scan# 4670
Delta R.T. -0.021 min
Lab File: B25S328032.D
Acq: 24 Nov 2025 9:48 pm

Tgt Ion:276 Resp: 5518

Ion	Ratio	Lower	Upper
276	100		
138	10.6	5.0	45.0
277	0.0	4.1	44.1#

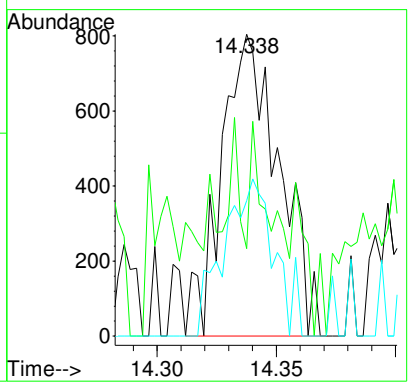


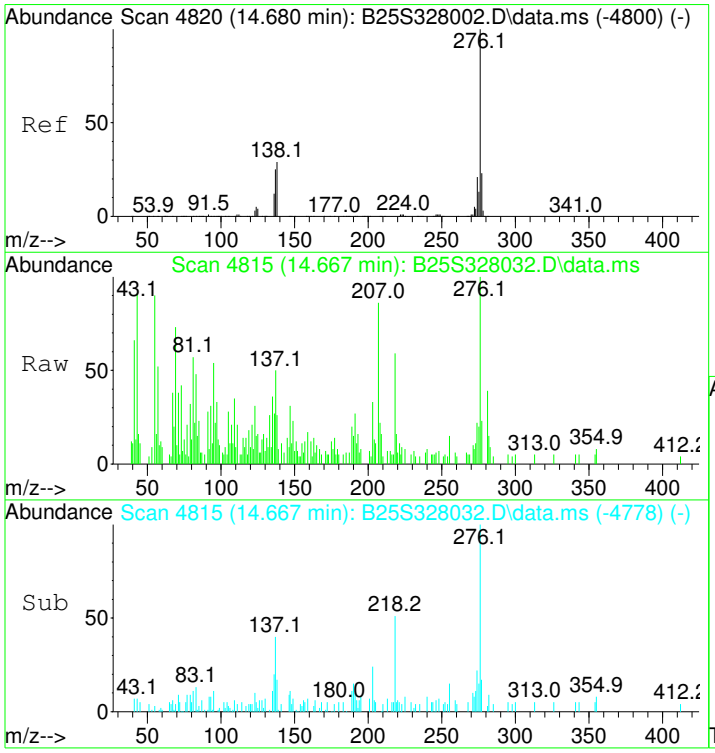


#86
Dibenz(a,h)anthracene
Concen: 0.25 ug/ml
RT: 14.338 min Scan# 4687
Delta R.T. -0.023 min
Lab File: B25S328032.D
Acq: 24 Nov 2025 9:48 pm

Tgt Ion:278 Resp: 1364

Ion	Ratio	Lower	Upper
278	100		
139	21.0	1.1	41.1
279	45.2	3.5	43.5#

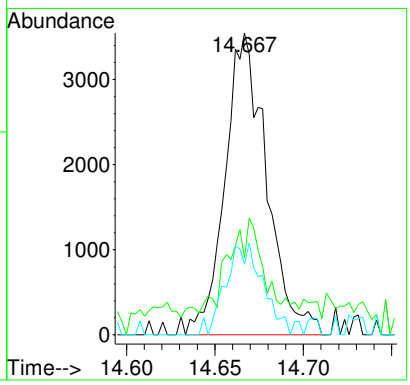


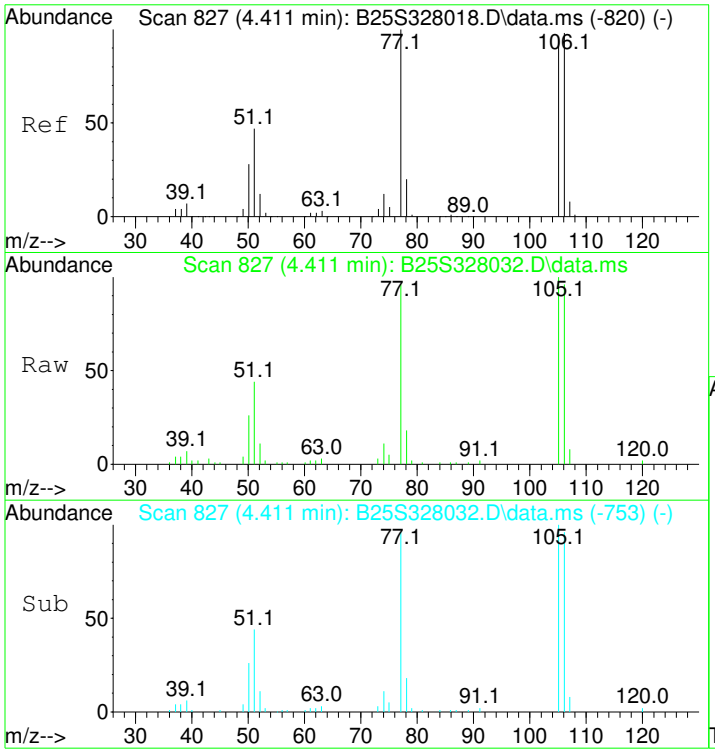


#87
Benzo(g,h,i)perylene
Concen: 0.98 ug/ml
RT: 14.667 min Scan# 4815
Delta R.T. -0.021 min
Lab File: B25S328032.D
Acq: 24 Nov 2025 9:48 pm

Tgt Ion:276 Resp: 5785

Ion	Ratio	Lower	Upper
276	100		
138	31.7	5.6	45.6
277	27.2	3.2	43.2

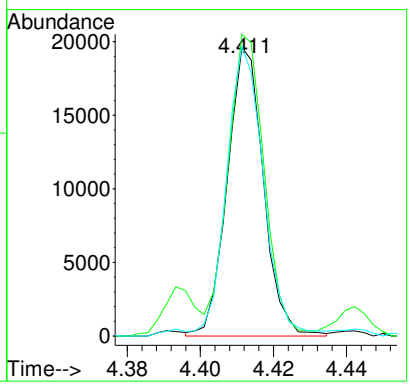


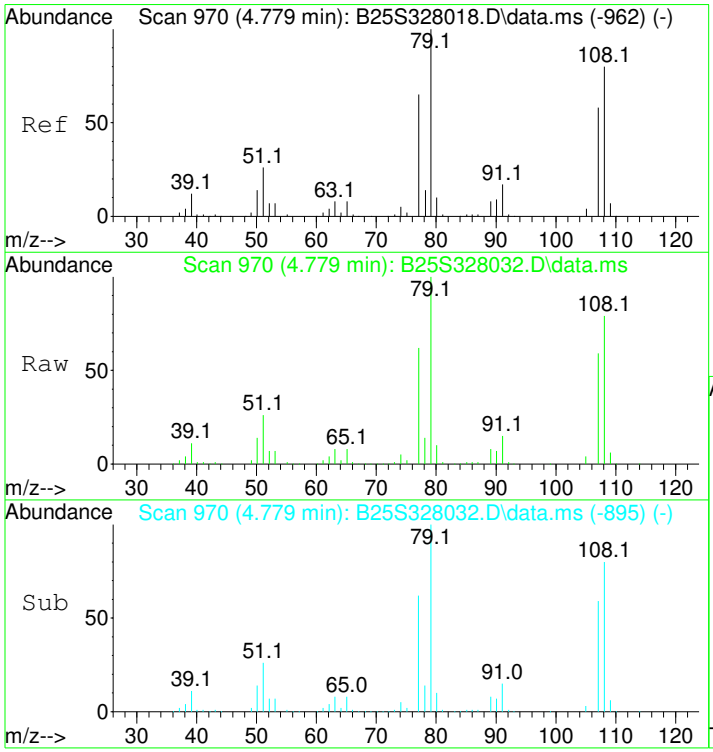


#90
Benzaldehyde
Concen: 7.30 ug/ml
RT: 4.411 min Scan# 827
Delta R.T. -0.011 min
Lab File: B25S328032.D
Acq: 24 Nov 2025 9:48 pm

Tgt Ion:106 Resp: 13460

Ion	Ratio	Lower	Upper
106	100		
105	105.5	79.4	119.2
77	104.0	81.3	121.9

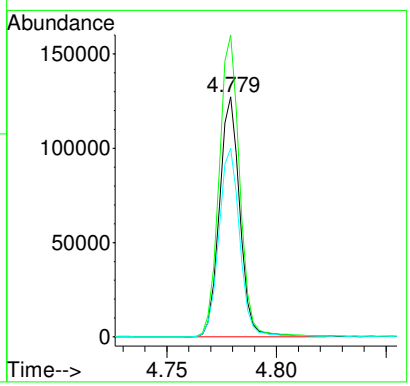




#91
Benzyl Alcohol
Concen: 62.62 ug/ml
RT: 4.779 min Scan# 970
Delta R.T. -0.008 min
Lab File: B25S328032.D
Acq: 24 Nov 2025 9:48 pm

Tgt Ion:108 Resp: 82664

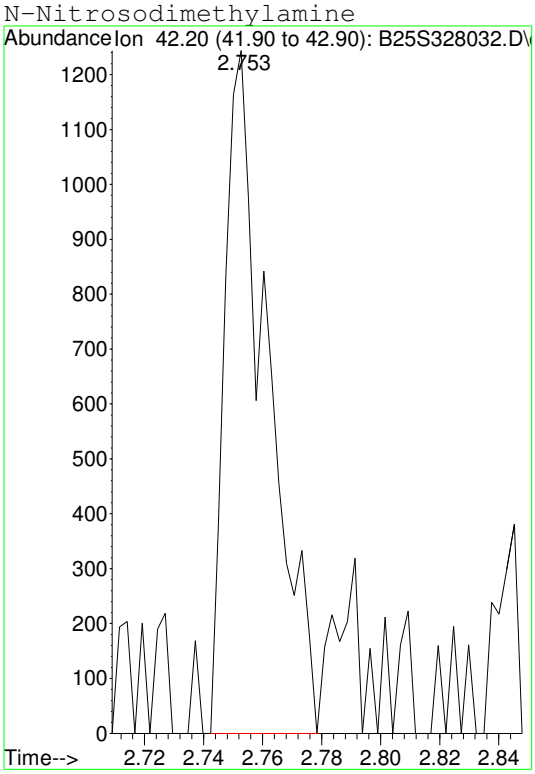
Ion	Ratio	Lower	Upper
108	100		
79	126.6	97.3	145.9
77	80.7	62.1	93.1



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328032.D
Acq On : 24 Nov 2025 9:48 pm
Operator : BGL
Sample : 25K1213-03
Misc :

Quant Time : Tue Nov 25 10:45:50 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
N-Nitrosodimethylamine



Original Int. Results

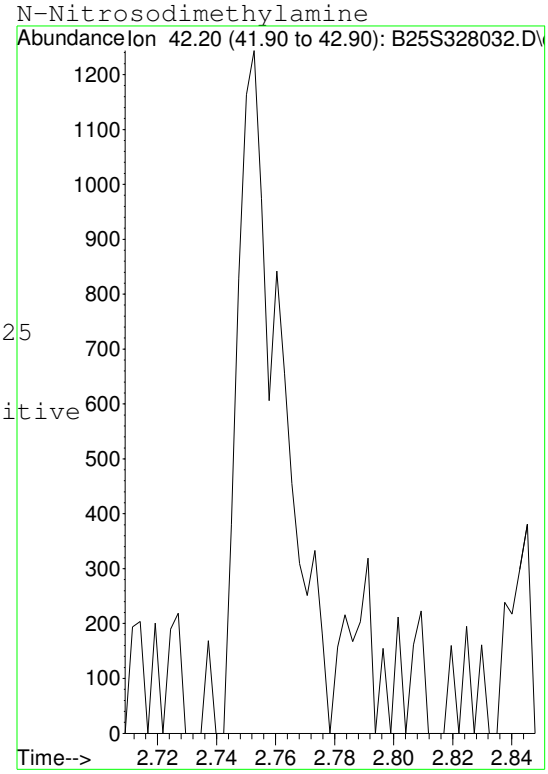
RT : 2.75
Area : 1269
Amount: 1.28515

Manual Int. Results

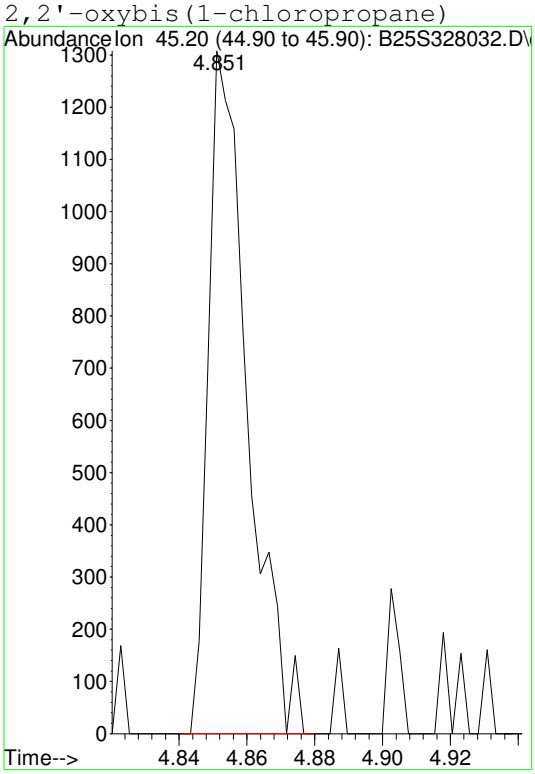
Tue Nov 25 10:43:24 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
N-Nitrosodimethylamine



Original Integration
2,2'-oxybis(1-chloropropane)



Original Int. Results

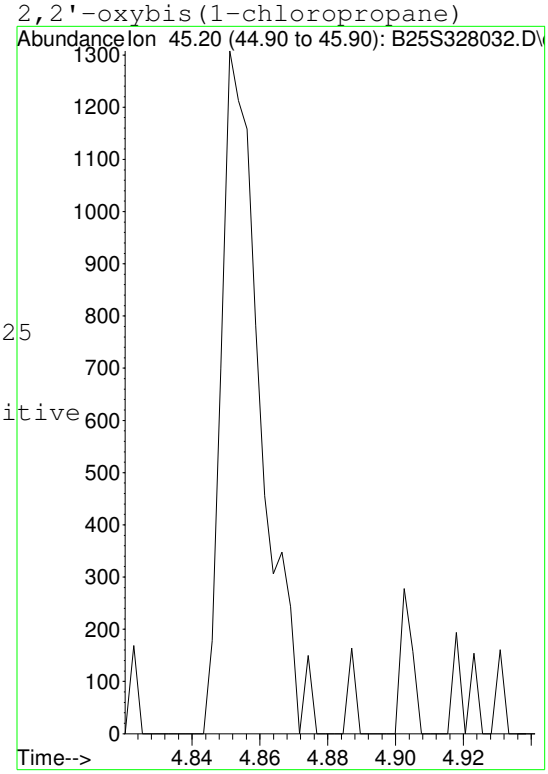
RT : 4.85
Area : 1055
Amount: 0.457348

Manual Int. Results

Tue Nov 25 10:45:50 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

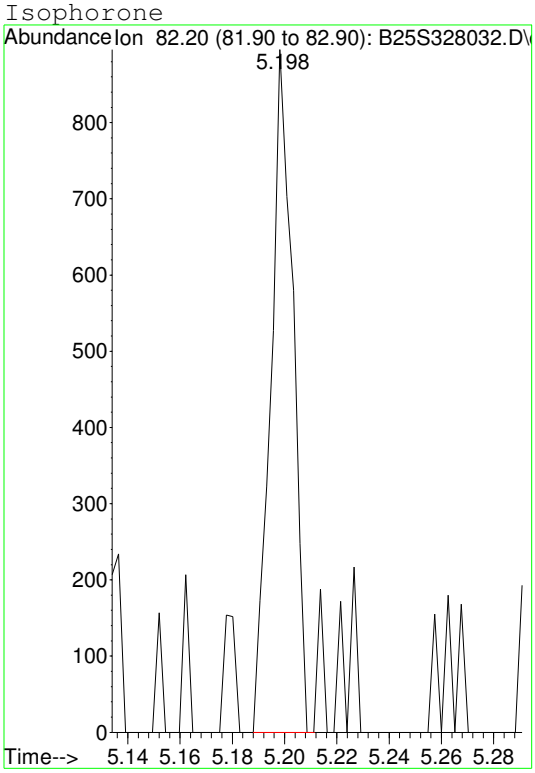
Manual Integration
2,2'-oxybis(1-chloropropane)



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328032.D
Acq On : 24 Nov 2025 9:48 pm
Operator : BGL
Sample : 25K1213-03
Misc :

Quant Time : Tue Nov 25 10:45:50 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Isophorone



Original Int. Results

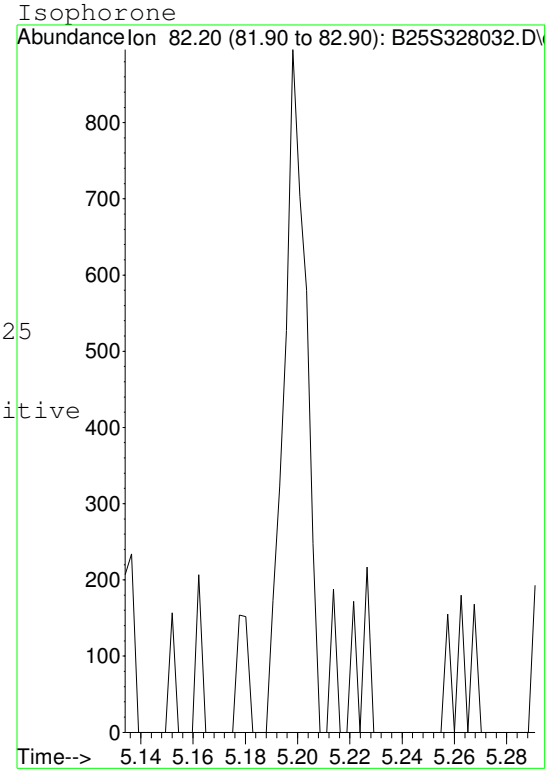
RT : 5.20
Area : 532
Amount: 0.146169

Manual Int. Results

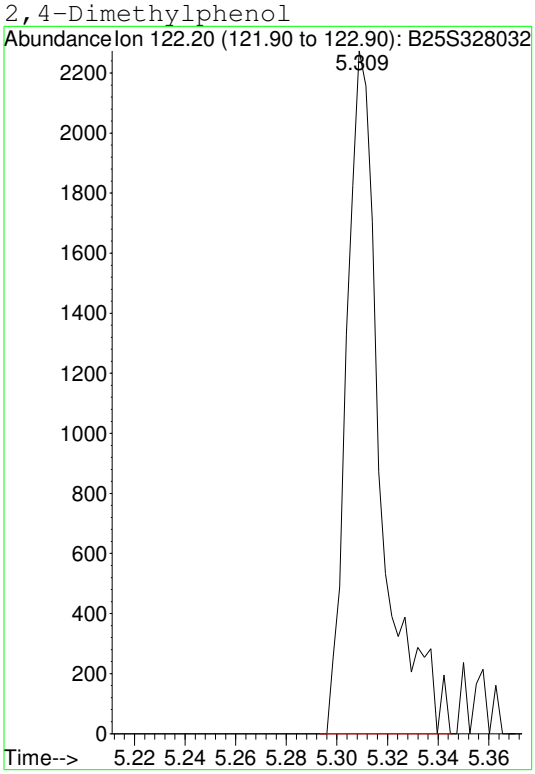
Tue Nov 25 10:43:53 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Isophorone



Original Integration
2,4-Dimethylphenol



Original Int. Results

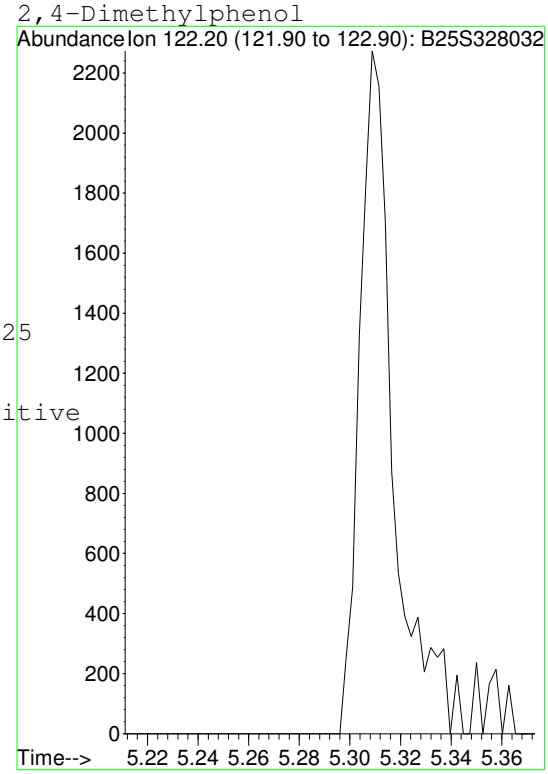
RT : 5.31
Area : 2125
Amount: 1.22936

Manual Int. Results

Tue Nov 25 10:44:01 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

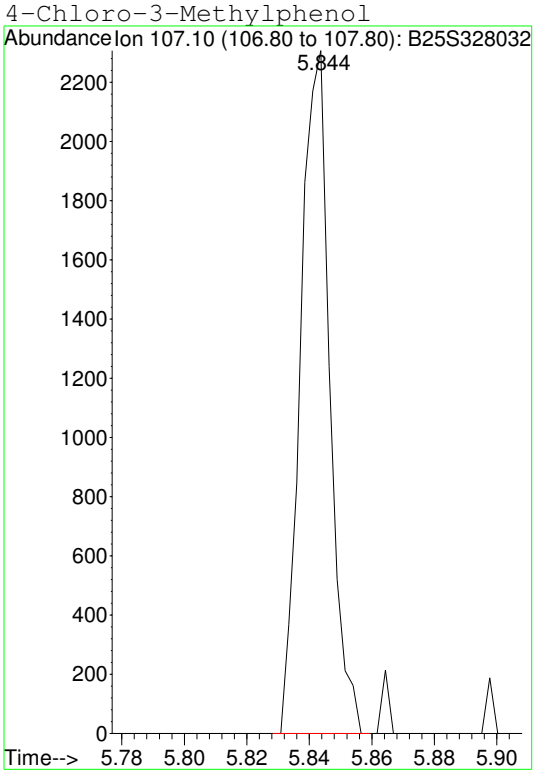
Manual Integration
2,4-Dimethylphenol



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328032.D
Acq On : 24 Nov 2025 9:48 pm
Operator : BGL
Sample : 25K1213-03
Misc :

Quant Time : Tue Nov 25 10:45:50 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
4-Chloro-3-Methylphenol



Original Int. Results

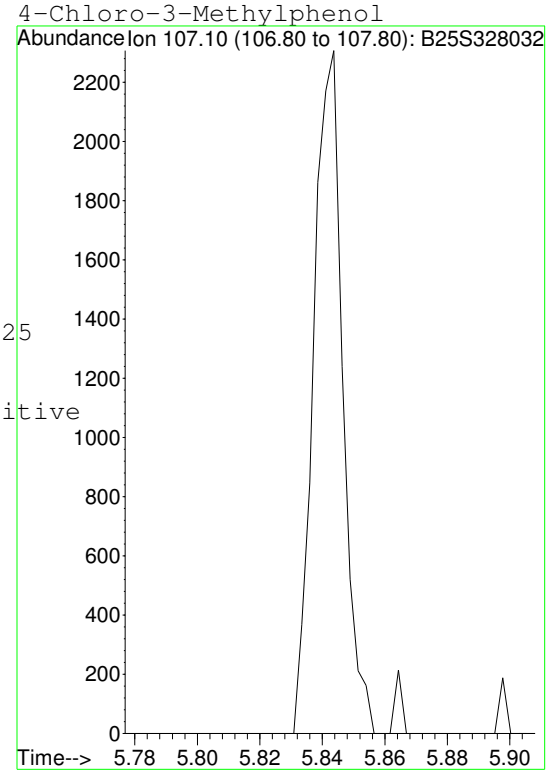
RT : 5.84
Area : 1495
Amount: 0.870479

Manual Int. Results

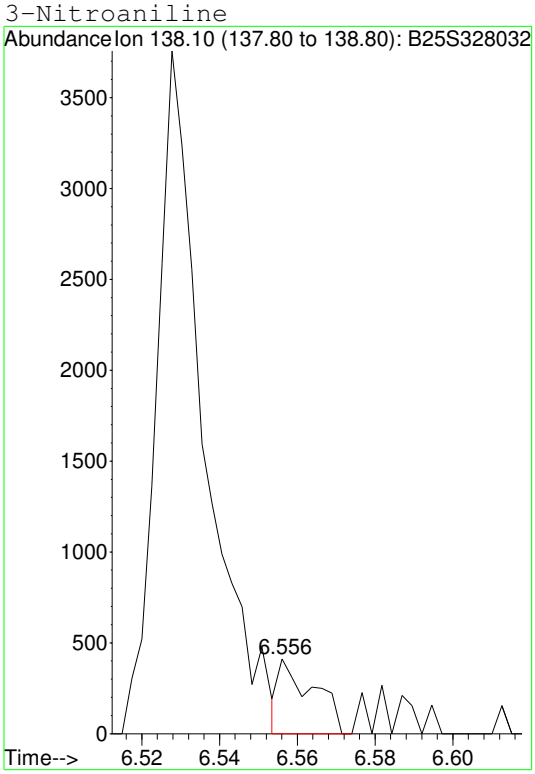
Tue Nov 25 10:44:01 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
4-Chloro-3-Methylphenol



Original Integration
3-Nitroaniline



Original Int. Results

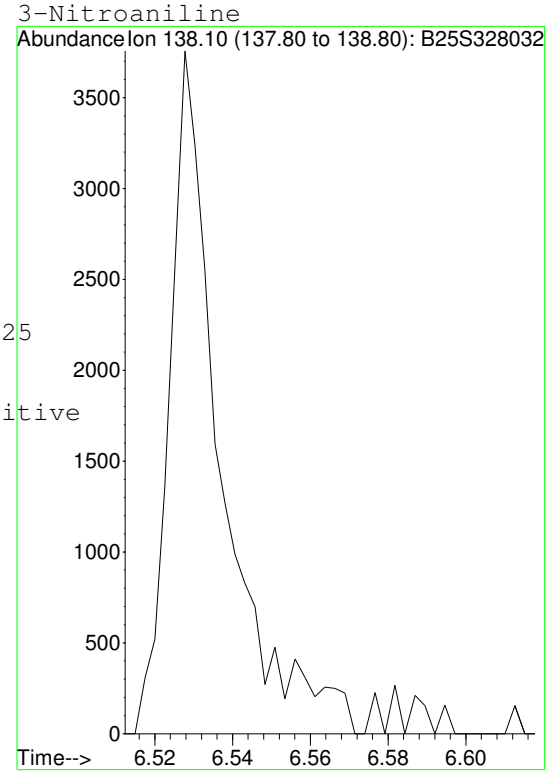
RT : 6.56
Area : 255
Amount: 0.242989

Manual Int. Results

Tue Nov 25 10:44:20 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

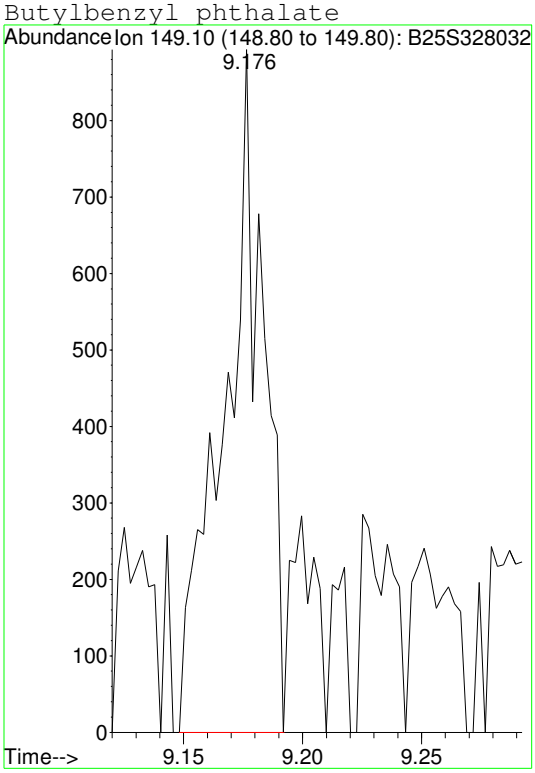
Manual Integration
3-Nitroaniline



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328032.D
Acq On : 24 Nov 2025 9:48 pm
Operator : BGL
Sample : 25K1213-03
Misc :

Quant Time : Tue Nov 25 10:45:50 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Butylbenzyl phthalate



Original Int. Results

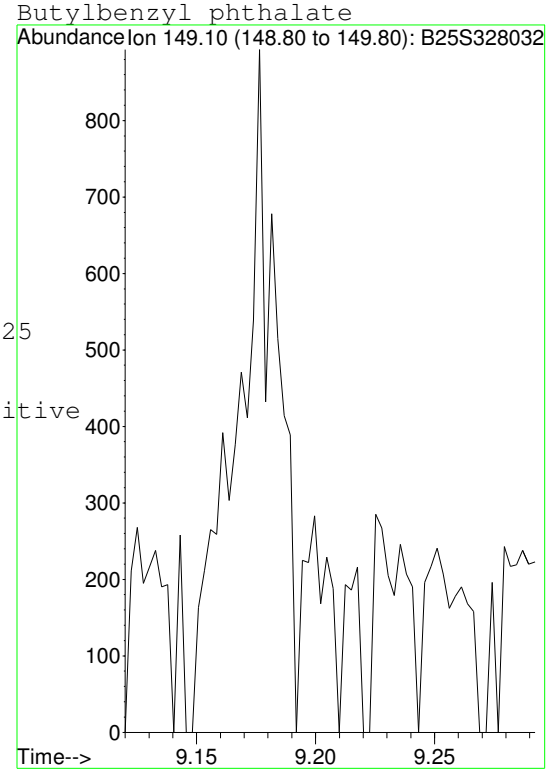
RT : 9.18
Area : 1036
Amount: 0.366531

Manual Int. Results

Tue Nov 25 10:44:36 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Butylbenzyl phthalate



1 - FORM I
ANALYSIS DATA SHEET

C-3 (2-12in)

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-04	File ID:	B25S328033.D
Sampled:	11/17/25 14:05	Prepared:	11/20/25 15:25	Analyzed:	11/24/25 22:13
Solids:	85.68	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.05 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol		0.056	0.78	
1912-24-9	Atrazine		0.054	0.78	
100-52-7	Benzaldehyde		0.055	0.40	L-04, V-05, V-34
92-52-4	Biphenyl		0.044	0.078	
105-60-2	Caprolactam		0.068	0.40	
83-32-9	Acenaphthene		0.0043	0.038	
208-96-8	Acenaphthylene		0.0049	0.038	
98-86-2	Acetophenone		0.041	0.40	
62-53-3	Aniline		0.075	0.40	V-34
120-12-7	Anthracene		0.0044	0.038	
56-55-3	Benzo(a)anthracene	0.035	0.0061	0.038	J
50-32-8	Benzo(a)pyrene	0.049	0.013	0.038	
205-99-2	Benzo(b)fluoranthene	0.076	0.0096	0.038	
191-24-2	Benzo(g,h,i)perylene	0.061	0.015	0.038	
207-08-9	Benzo(k)fluoranthene	0.028	0.0079	0.038	J
111-91-1	Bis(2-chloroethoxy)methane		0.040	0.40	
111-44-4	Bis(2-chloroethyl)ether		0.052	0.40	
108-60-1	2,2'-oxybis(1-Chloropropane)		0.16	0.40	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.054	0.40	
101-55-3	4-Bromophenylphenylether		0.035	0.40	
85-68-7	Butylbenzylphthalate		0.045	0.40	
86-74-8	Carbazole		0.041	0.20	
106-47-8	4-Chloroaniline		0.064	0.77	
59-50-7	4-Chloro-3-methylphenol		0.042	0.77	
91-58-7	2-Chloronaphthalene		0.035	0.40	
95-57-8	2-Chlorophenol		0.035	0.40	
7005-72-3	4-Chlorophenylphenylether		0.036	0.40	
218-01-9	Chrysene	0.039	0.0050	0.038	
53-70-3	Dibenz(a,h)anthracene		0.017	0.038	

1 - FORM I
ANALYSIS DATA SHEET

C-3 (2-12in)

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-04	File ID:	B25S328033.D
Sampled:	11/17/25 14:05	Prepared:	11/20/25 15:25	Analyzed:	11/24/25 22:13
Solids:	85.68	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.05 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
132-64-9	Dibenzofuran		0.039	0.40	
84-74-2	Di-n-butylphthalate		0.15	0.40	
91-94-1	3,3-Dichlorobenzidine		0.071	0.20	
120-83-2	2,4-Dichlorophenol		0.037	0.40	
84-66-2	Diethylphthalate		0.038	0.40	
105-67-9	2,4-Dimethylphenol		0.082	0.40	
131-11-3	Dimethylphthalate		0.035	0.40	
534-52-1	4,6-Dinitro-2-methylphenol		0.32	0.40	
51-28-5	2,4-Dinitrophenol		0.37	0.77	V-04, V-06
121-14-2	2,4-Dinitrotoluene		0.094	0.40	
606-20-2	2,6-Dinitrotoluene		0.050	0.40	
117-84-0	Di-n-octylphthalate		0.058	0.40	
206-44-0	Fluoranthene	0.054	0.0055	0.038	
86-73-7	Fluorene		0.0047	0.038	
118-74-1	Hexachlorobenzene		0.040	0.40	
87-68-3	Hexachlorobutadiene		0.041	0.40	
77-47-4	Hexachlorocyclopentadiene		0.20	0.40	
67-72-1	Hexachloroethane		0.036	0.40	
193-39-5	Indeno(1,2,3-cd)pyrene	0.051	0.016	0.038	
78-59-1	Isophorone		0.042	0.40	
90-12-0	1-Methylnaphthalene	0.0058	0.0049	0.038	J
91-57-6	2-Methylnaphthalene	0.011	0.0044	0.038	J
95-48-7	2-Methylphenol		0.050	0.40	
108-39-4/106-4	3/4-Methylphenol		0.065	0.40	
91-20-3	Naphthalene		0.0056	0.038	
88-74-4	2-Nitroaniline		0.061	0.40	
99-09-2	3-Nitroaniline		0.052	0.40	
100-01-6	4-Nitroaniline		0.056	0.40	
98-95-3	Nitrobenzene		0.044	0.40	

1 - FORM I
ANALYSIS DATA SHEET

C-3 (2-12in)

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-04	File ID:	B25S328033.D
Sampled:	11/17/25 14:05	Prepared:	11/20/25 15:25	Analyzed:	11/24/25 22:13
Solids:	85.68	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.05 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833
Instrument:	GCMSSV2				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
88-75-5	2-Nitrophenol		0.041	0.40	
100-02-7	4-Nitrophenol		0.15	0.77	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.051	0.40	
621-64-7	N-Nitrosodi-n-propylamine		0.049	0.40	
87-86-5	Pentachlorophenol		0.050	0.40	
85-01-8	Phenanthrene	0.014	0.0040	0.038	J
108-95-2	Phenol		0.038	0.40	
129-00-0	Pyrene	0.045	0.0066	0.038	
110-86-1	Pyridine		0.050	0.40	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.038	0.40	
95-95-4	2,4,5-Trichlorophenol		0.040	0.40	
88-06-2	2,4,6-Trichlorophenol		0.035	0.40	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328033.D
Acq On : 24 Nov 2025 10:13 pm
Operator : BGL
Sample : 25K1213-04 Inst : GCMSSV2
Misc :
ALS Vial : 33 Sample Multiplier: 1

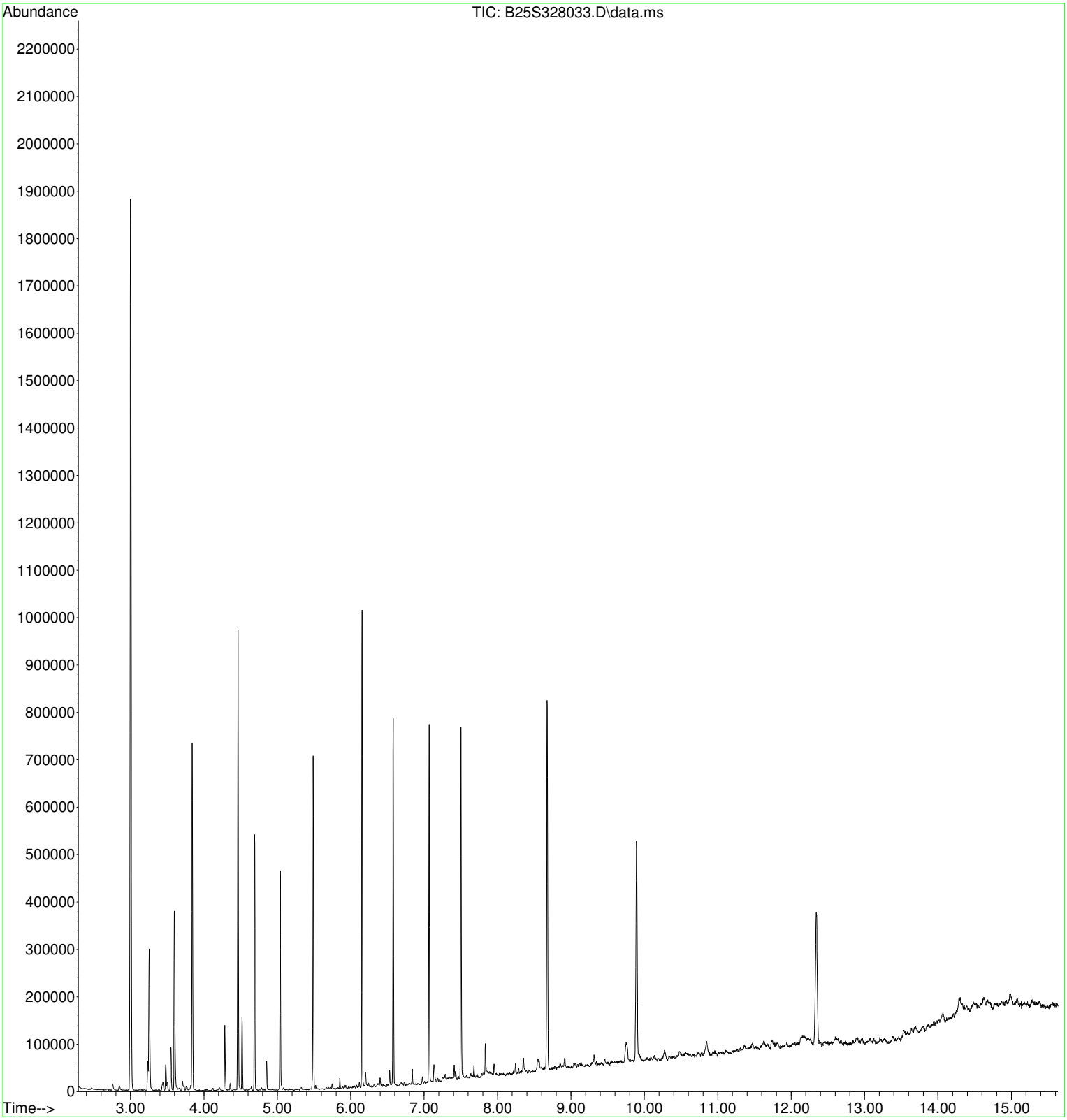
Quant Time: Nov 24 22:29:03 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

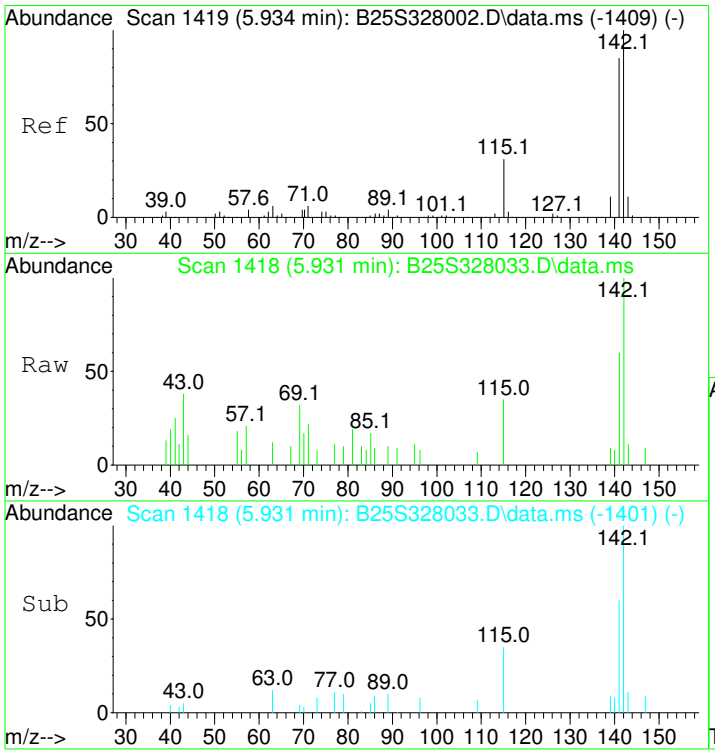
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.689	152	58585	40.00	ug/ml	-0.01
19) NAPHTHALENE-d8	5.489	136	222655	40.00	ug/ml	-0.01
35) ACENAPHTHENE-D10	6.579	164	113061	40.00	ug/ml	-0.01
58) PHENANTHRENE-D10	7.503	188	189765	40.00	ug/ml	-0.01
71) CHRYSENE-D12	9.894	240	190268	40.00	ug/ml	-0.02
80) PERYLENE-D12	12.347	264	169104	40.00	ug/ml	-0.01
88) 1,4-Dichlorobenzene-D4...	4.689	152	58585	40.00	ug/ml	-0.01
92) NAPHTHALENE-d8 (2)	5.489	136	222628	40.00	ug/ml	-0.01
95) ACENAPHTHENE-D10 (2)	6.579	164	113061	40.00	ug/ml	-0.01
System Monitoring Compounds						
2) 2-Fluorophenol	3.841	112	154577	94.44	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 47.22%			
3) Phenol-d6	4.465	99	253133	93.79	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 46.90%			
20) Nitrobenzene-d5	5.039	82	106614	48.11	ug/ml	-0.02
Spiked Amount 100.000	Range 30 - 130		Recovery = 48.11%			
36) 2-Fluorobiphenyl	6.155	172	202426	54.23	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 54.23%			
37) 2,4,6-Tribromophenol	7.068	330	53363	106.27	ug/ml	-0.01
Spiked Amount 200.000	Range 30 - 130		Recovery = 53.13%			
72) p-Terphenyl-d14	8.675	244	218756	55.52	ug/ml	-0.02
Spiked Amount 100.000	Range 30 - 130		Recovery = 55.52%			
Target Compounds						Qvalue
33) 2-MethylNaphthalene	5.931	142	1148	0.28	ug/ml	89
34) 1-Methylnaphthalene	5.993	142	599	0.15	ug/ml	93
66) Phenanthrene	7.518	178	2122	0.36	ug/ml	97
70) Flouranthene	8.354	202	8166	1.39	ug/ml	88
74) Pyrene	8.547	202	8163	1.17	ug/ml	93
77) Benzo(a)anthracene	9.884	228	5778	0.90	ug/ml	91
78) Chrysene	9.930	228	6376	1.00	ug/ml	94
82) Benzo(b)fluoranthene	11.630	252	10134m	1.95	ug/ml	
83) Benzo(k)fluoranthene	11.671	252	3642	0.71	ug/ml	85
84) Benzo(a)pyrene	12.226	252	6103	1.27	ug/ml	90
85) Indeno(1,2,3-cd)pyrene	14.299	276	5640	1.32	ug/ml	86
86) Dibenz(a,h)anthracene	14.345	278	1459	0.32	ug/ml	82
87) Benzo(g,h,i)perylene	14.669	276	7452	1.57	ug/ml	92

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

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328033.D
Acq On : 24 Nov 2025 10:13 pm
Operator : BGL
Sample : 25K1213-04 Inst : GCMSSV2
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Nov 24 22:29:03 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

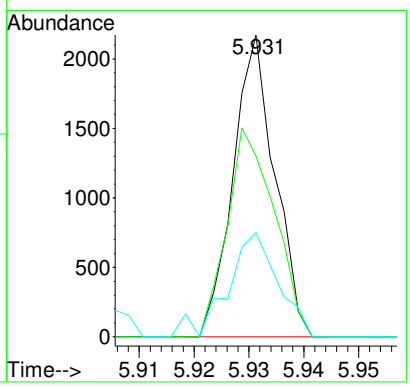


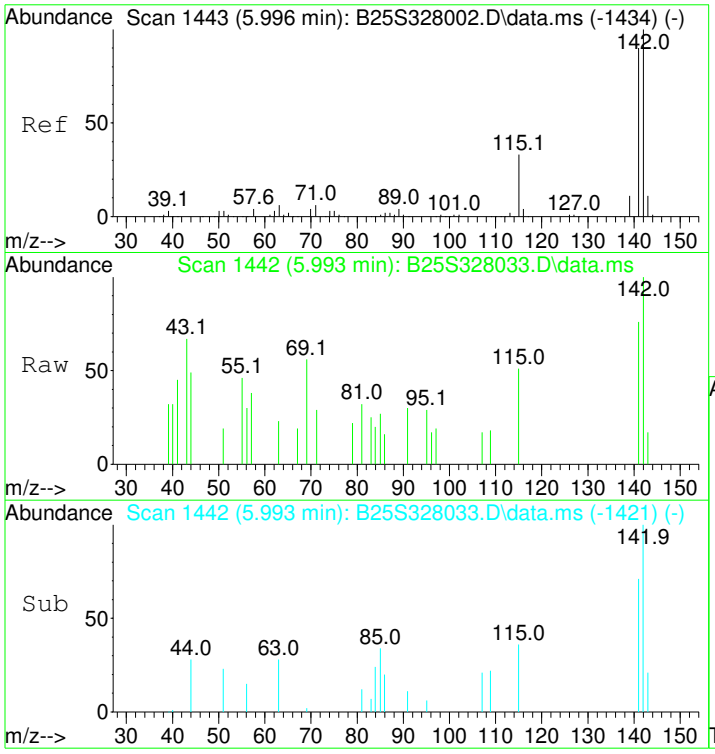


#33
2-MethylNaphthalene
Concen: 0.28 ug/ml
RT: 5.931 min Scan# 1418
Delta R.T. -0.013 min
Lab File: B25S328033.D
Acq: 24 Nov 2025 10:13 pm

Tgt Ion:142 Resp: 1148

Ion	Ratio	Lower	Upper
142	100		
141	78.6	66.6	106.6
115	42.2	12.6	52.6

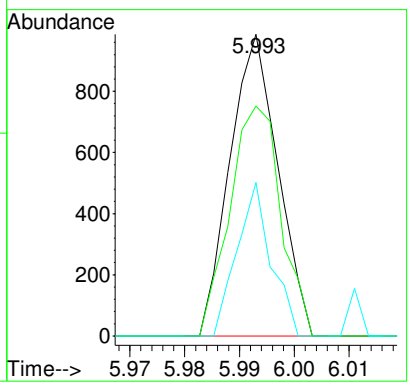


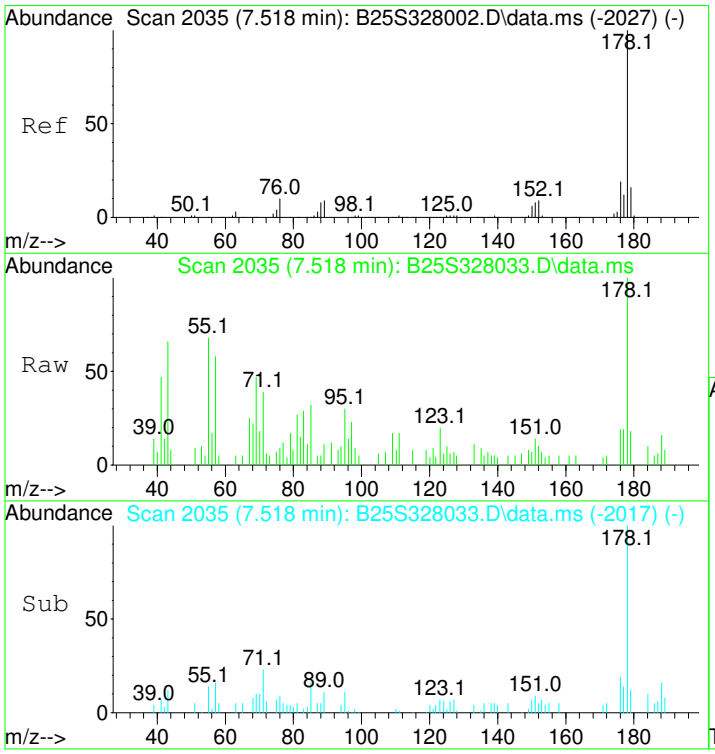


#34
1-Methylnaphthalene
Concen: 0.15 ug/ml
RT: 5.993 min Scan# 1442
Delta R.T. -0.013 min
Lab File: B25S328033.D
Acq: 24 Nov 2025 10:13 pm

Tgt Ion:142 Resp: 599

Ion	Ratio	Lower	Upper
142	100		
141	81.3	69.0	109.0
115	36.2	14.1	54.1

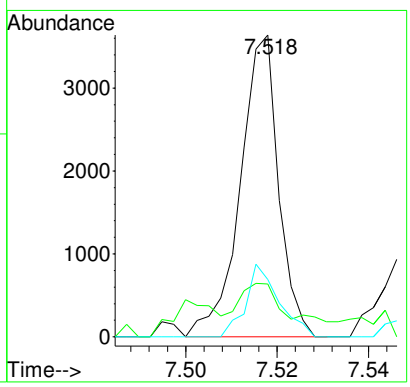


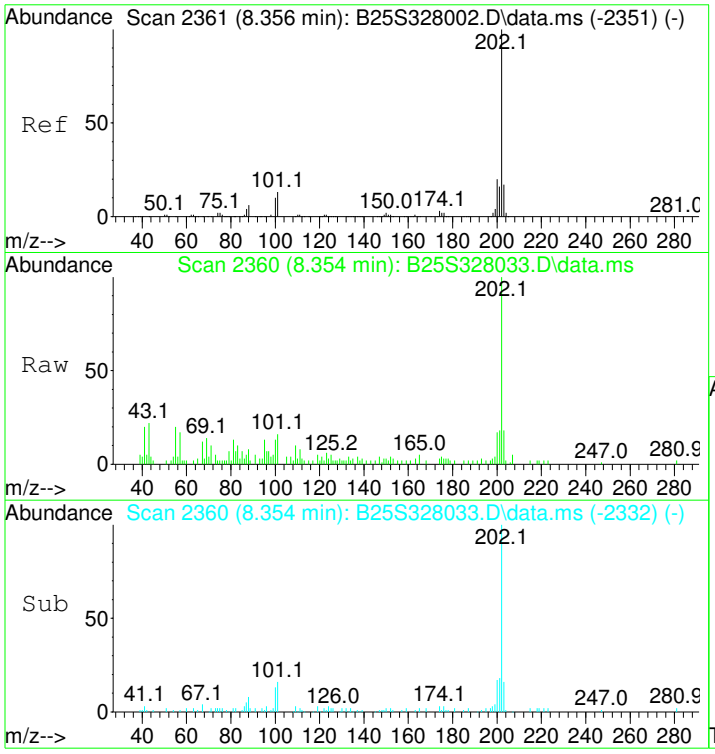


#66
Phenanthrene
Concen: 0.36 ug/ml
RT: 7.518 min Scan# 2035
Delta R.T. -0.010 min
Lab File: B25S328033.D
Acq: 24 Nov 2025 10:13 pm

Tgt Ion:178 Resp: 2122

Ion	Ratio	Lower	Upper
178	100		
179	14.7	0.0	35.5
176	20.7	0.0	39.0

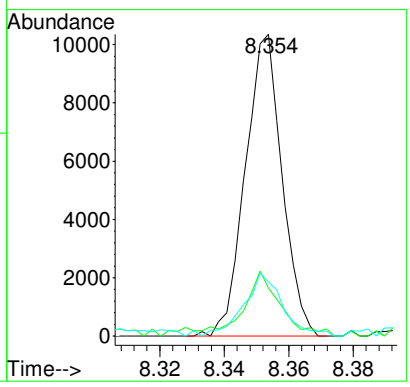


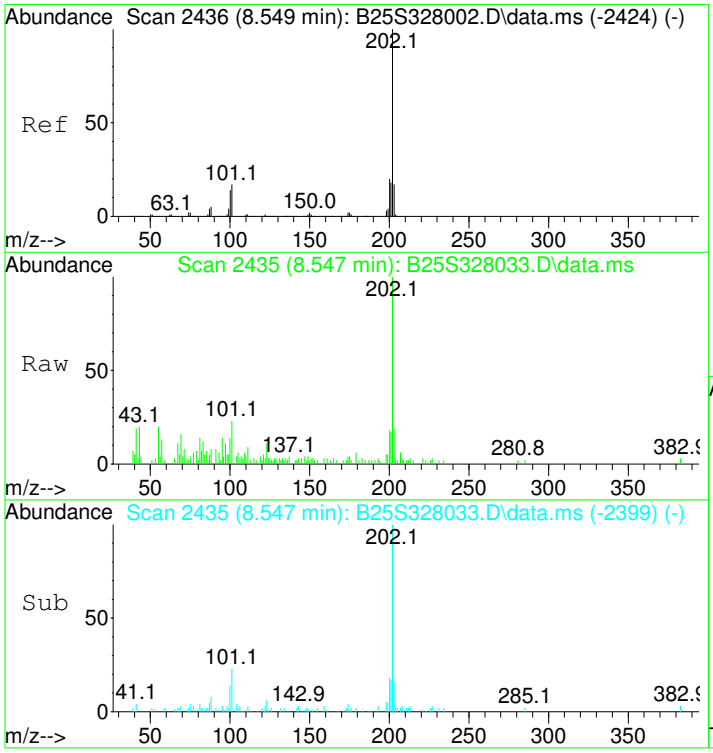


#70
Flouranthene
Concen: 1.39 ug/ml
RT: 8.354 min Scan# 2360
Delta R.T. -0.013 min
Lab File: B25S328033.D
Acq: 24 Nov 2025 10:13 pm

Tgt Ion:202 Resp: 8166

Ion	Ratio	Lower	Upper
202	100		
101	21.6	0.0	36.2
203	22.4	0.0	37.5

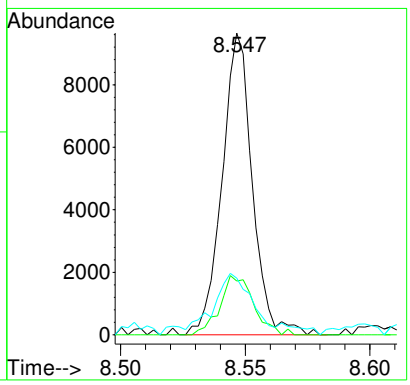


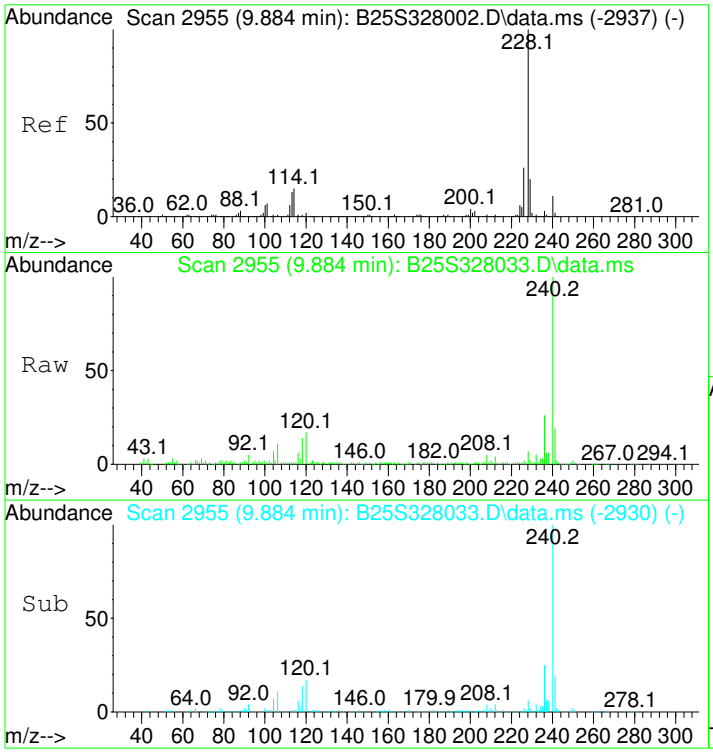


#74
Pyrene
Concen: 1.17 ug/ml
RT: 8.547 min Scan# 2435
Delta R.T. -0.015 min
Lab File: B25S328033.D
Acq: 24 Nov 2025 10:13 pm

Tgt Ion:202 Resp: 8163

Ion	Ratio	Lower	Upper
202	100		
200	21.8	0.1	40.1
203	22.6	0.0	38.1

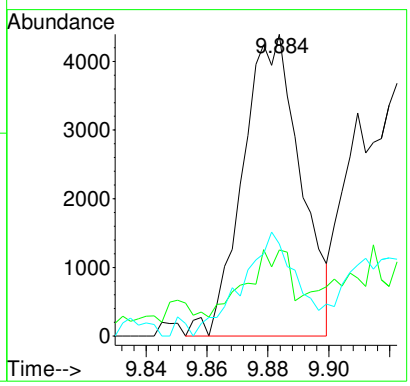


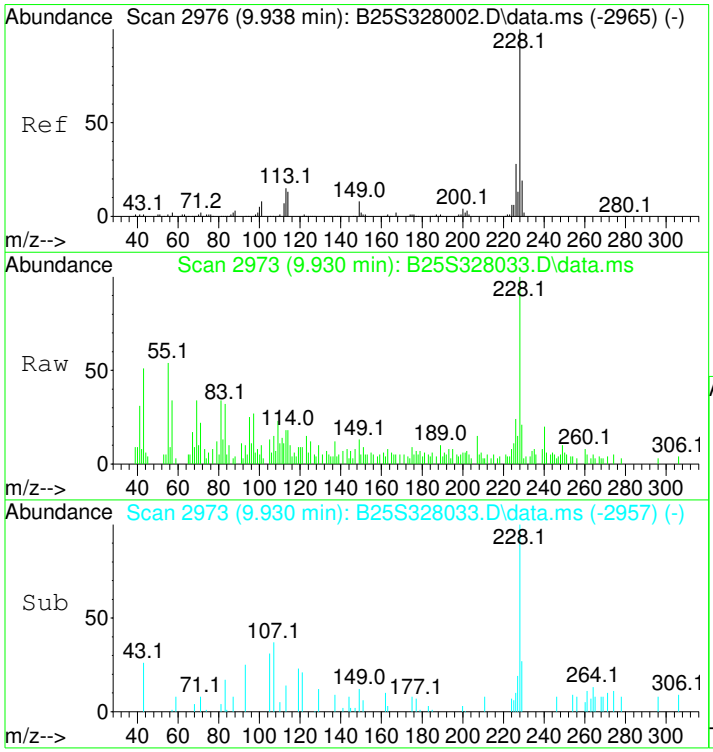


#77
Benzo(a)anthracene
Concen: 0.90 ug/ml
RT: 9.884 min Scan# 2955
Delta R.T. -0.018 min
Lab File: B25S328033.D
Acq: 24 Nov 2025 10:13 pm

Tgt Ion:228 Resp: 5778

Ion	Ratio	Lower	Upper
228	100		
229	18.4	0.0	38.9
226	32.3	4.9	44.9

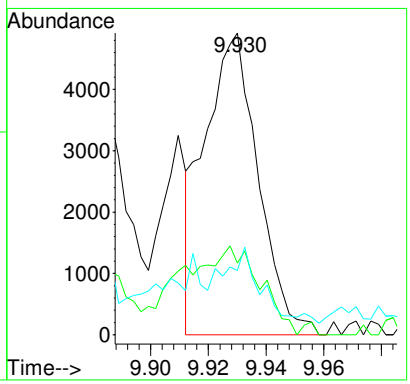


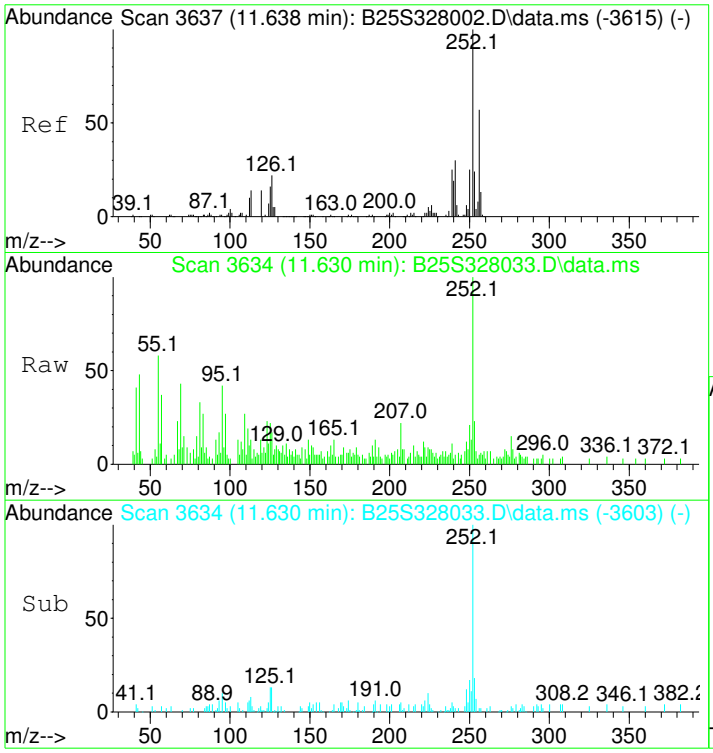


#78
Chrysene
Concen: 1.00 ug/ml
RT: 9.930 min Scan# 2973
Delta R.T. -0.023 min
Lab File: B25S328033.D
Acq: 24 Nov 2025 10:13 pm

Tgt Ion:228 Resp: 6376

Ion	Ratio	Lower	Upper
228	100		
226	29.8	8.1	48.1
229	14.4	0.0	38.9

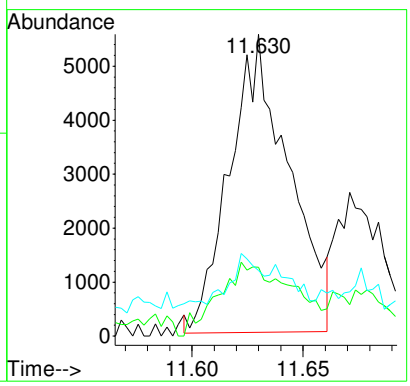


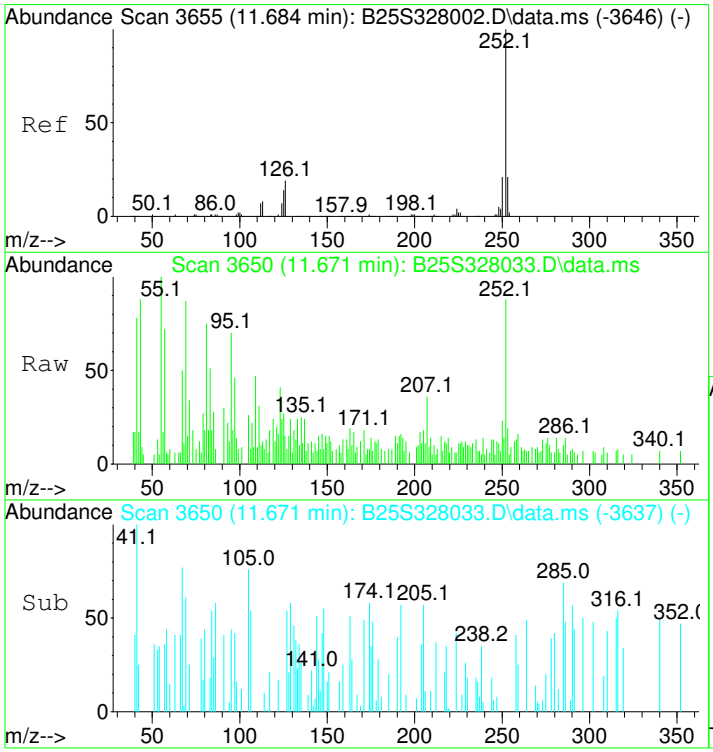


#82
Benzo(b)fluoranthene
Concen: 1.95 ug/ml m
RT: 11.630 min Scan# 3634
Delta R.T. -0.023 min
Lab File: B25S328033.D
Acq: 24 Nov 2025 10:13 pm

Tgt Ion:252 Resp: 10134

Ion	Ratio	Lower	Upper
252	100		
253	28.7	2.2	42.2
125	24.5	0.0	34.5

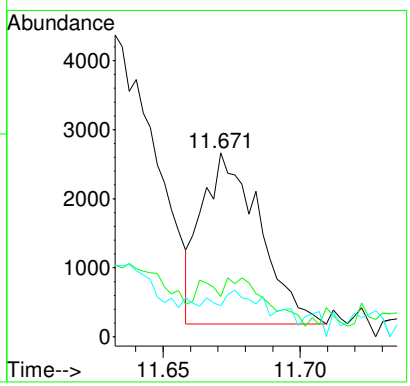


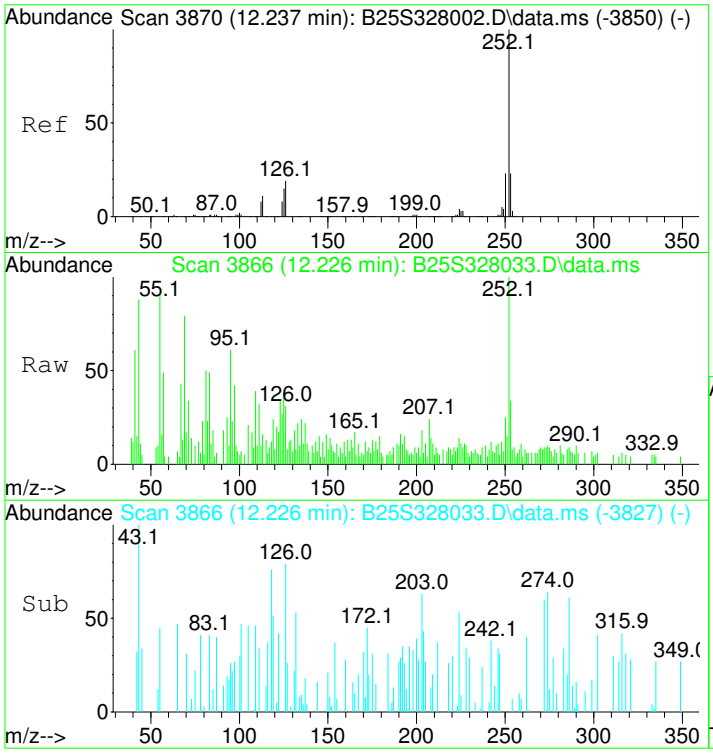


#83
Benzo(k)fluoranthene
Concen: 0.71 ug/ml
RT: 11.671 min Scan# 3650
Delta R.T. -0.033 min
Lab File: B25S328033.D
Acq: 24 Nov 2025 10:13 pm

Tgt Ion:252 Resp: 3642

Ion	Ratio	Lower	Upper
252	100		
253	19.8	0.7	40.7
126	5.9	0.0	39.4

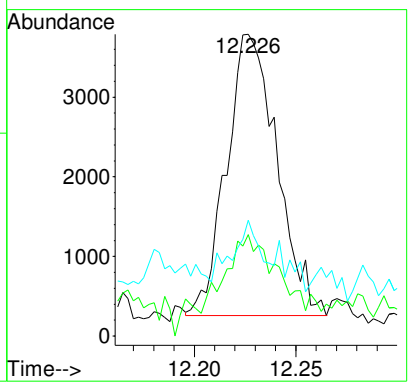


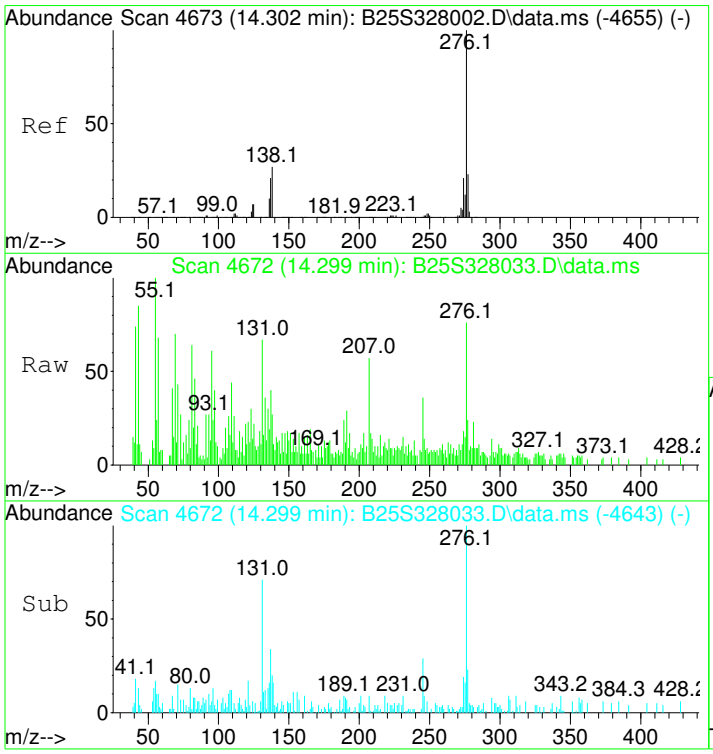


#84
Benzo(a)pyrene
Concen: 1.27 ug/ml
RT: 12.226 min Scan# 3866
Delta R.T. -0.026 min
Lab File: B25S328033.D
Acq: 24 Nov 2025 10:13 pm

Tgt Ion:252 Resp: 6103

Ion	Ratio	Lower	Upper
252	100		
253	26.4	0.4	40.4
125	11.8	0.0	34.0

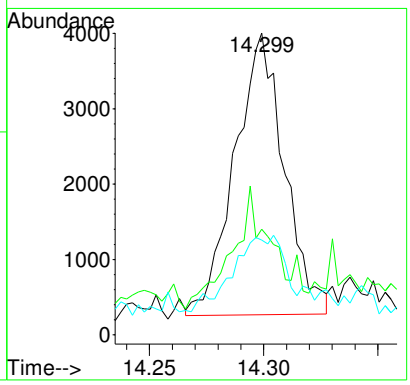


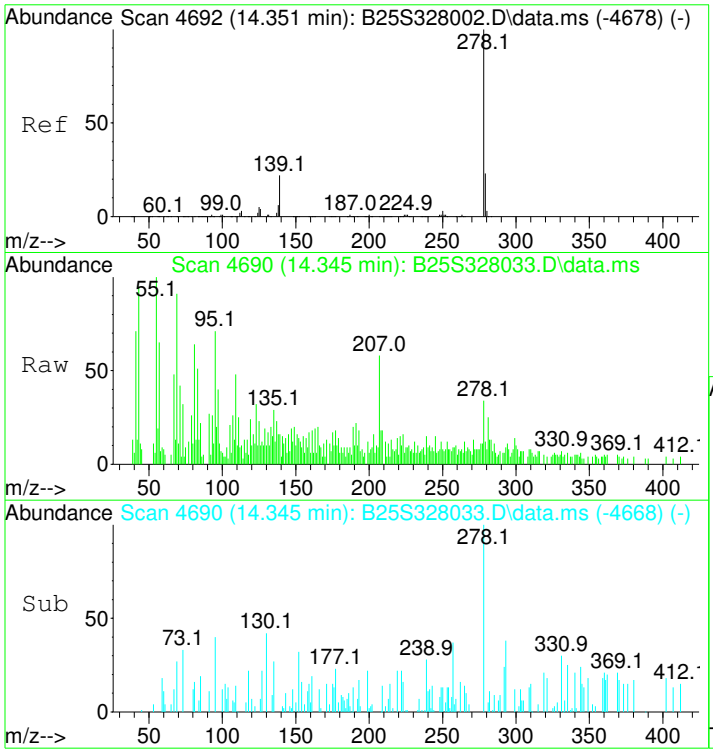


#85
Indeno(1,2,3-cd)pyrene
Concen: 1.32 ug/ml
RT: 14.299 min Scan# 4672
Delta R.T. -0.015 min
Lab File: B25S328033.D
Acq: 24 Nov 2025 10:13 pm

Tgt Ion:276 Resp: 5640

Ion	Ratio	Lower	Upper
276	100		
138	33.1	5.0	45.0
277	29.4	4.1	44.1

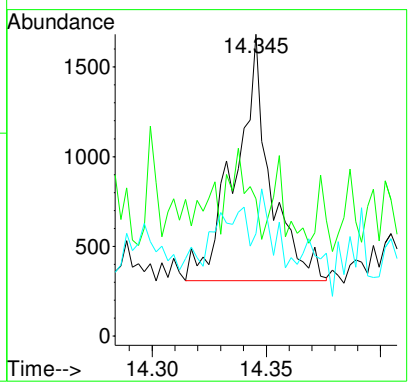


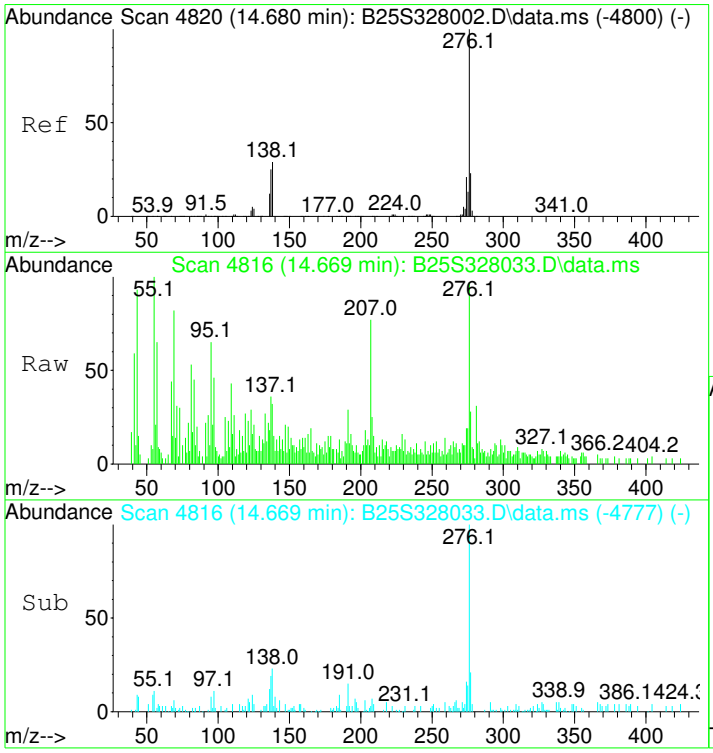


#86
Dibenz(a,h)anthracene
Concen: 0.32 ug/ml
RT: 14.345 min Scan# 4690
Delta R.T. -0.015 min
Lab File: B25S328033.D
Acq: 24 Nov 2025 10:13 pm

Tgt Ion:278 Resp: 1459

Ion	Ratio	Lower	Upper
278	100		
139	12.5	1.1	41.1
279	14.7	3.5	43.5

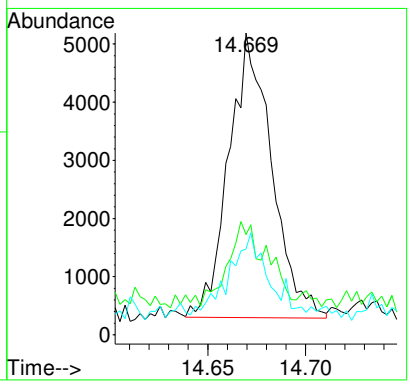




#87
Benzo(g,h,i)perylene
Concen: 1.57 ug/ml
RT: 14.669 min Scan# 4816
Delta R.T. -0.018 min
Lab File: B25S328033.D
Acq: 24 Nov 2025 10:13 pm

Tgt Ion:276 Resp: 7452

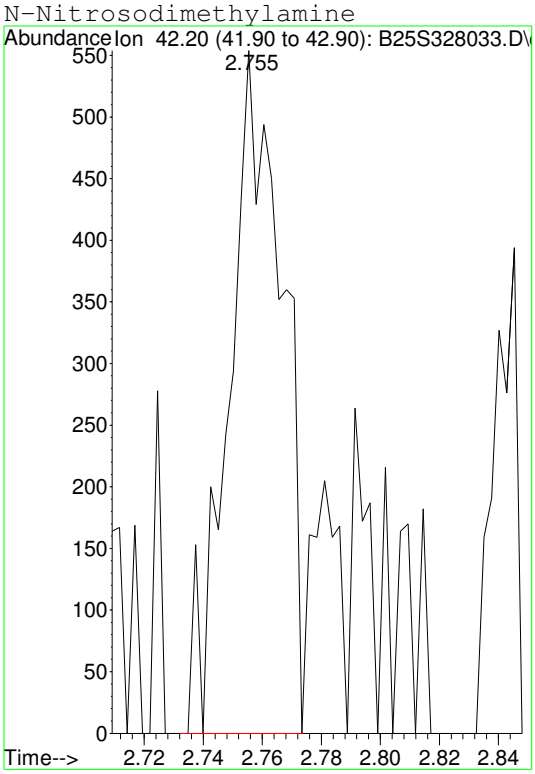
Ion	Ratio	Lower	Upper
276	100		
138	22.8	5.6	45.6
277	28.4	3.2	43.2



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328033.D
Acq On : 24 Nov 2025 10:13 pm
Operator : BGL
Sample : 25K1213-04
Misc :

Quant Time : Tue Nov 25 10:47:38 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
N-Nitrosodimethylamine



Original Int. Results

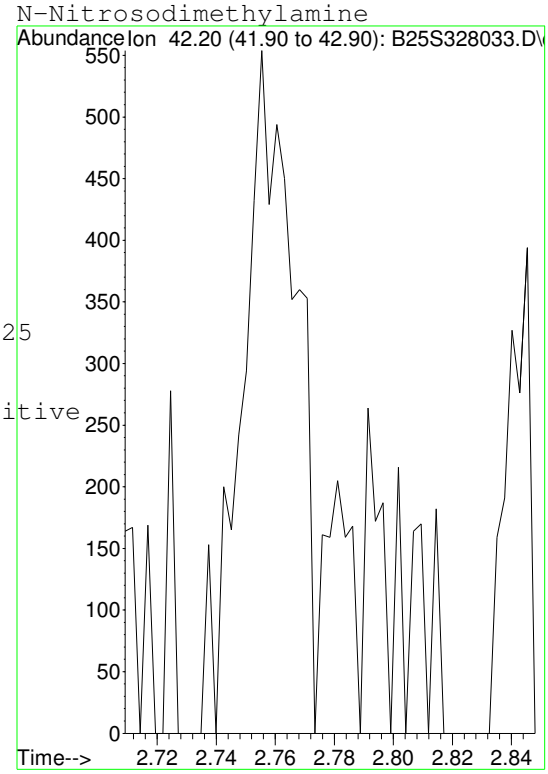
RT : 2.76
Area : 691
Amount: 0.662369

Manual Int. Results

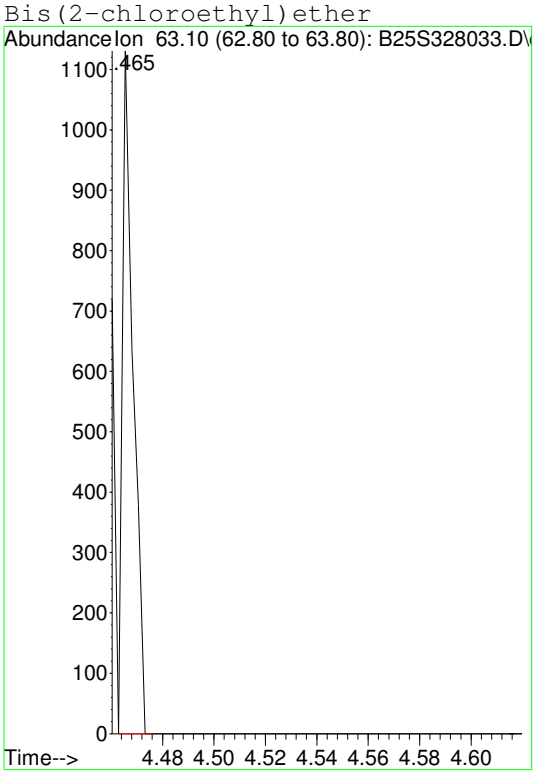
Tue Nov 25 10:46:32 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
N-Nitrosodimethylamine



Original Integration
Bis(2-chloroethyl)ether



Original Int. Results

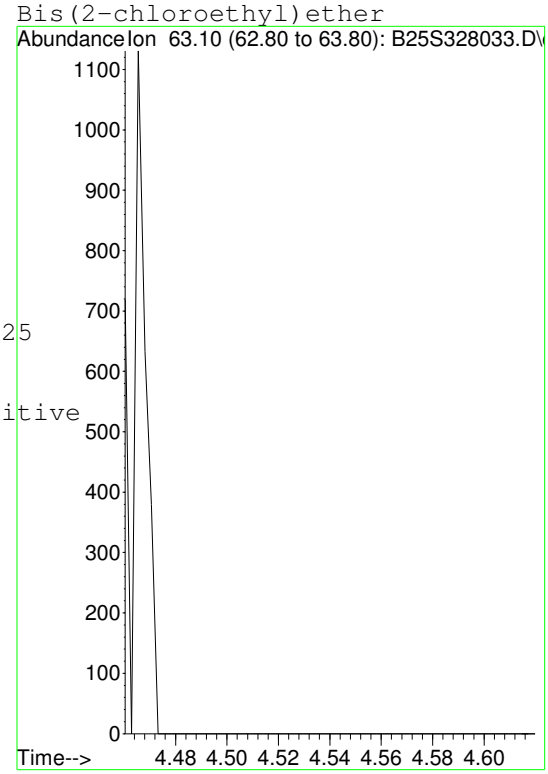
RT : 4.47
Area : 331
Amount: 0.220182

Manual Int. Results

Tue Nov 25 10:46:32 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

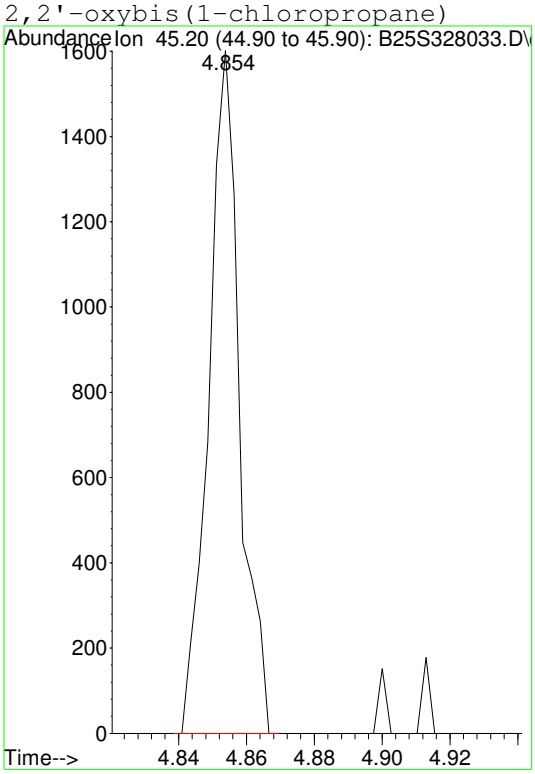
Manual Integration
Bis(2-chloroethyl)ether



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328033.D
Acq On : 24 Nov 2025 10:13 pm
Operator : BGL
Sample : 25K1213-04
Misc :

Quant Time : Tue Nov 25 10:47:38 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
2,2'-oxybis(1-chloropropane)



Original Int. Results

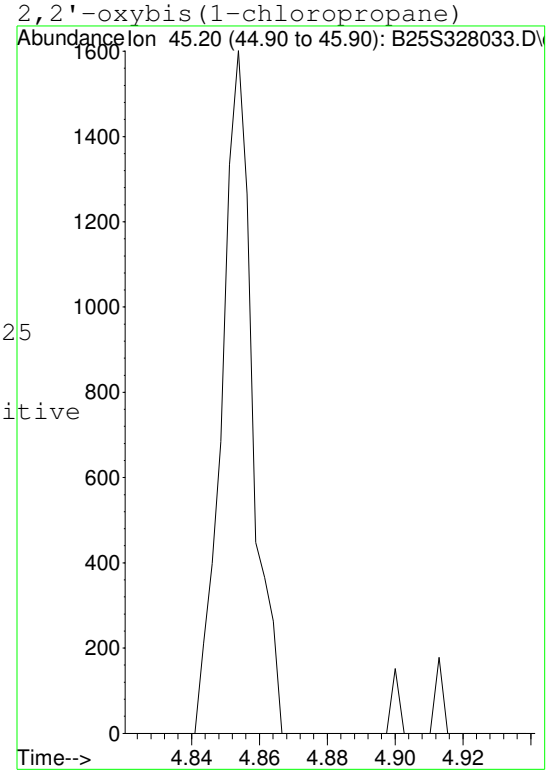
RT : 4.85
Area : 1014
Amount: 0.416067

Manual Int. Results

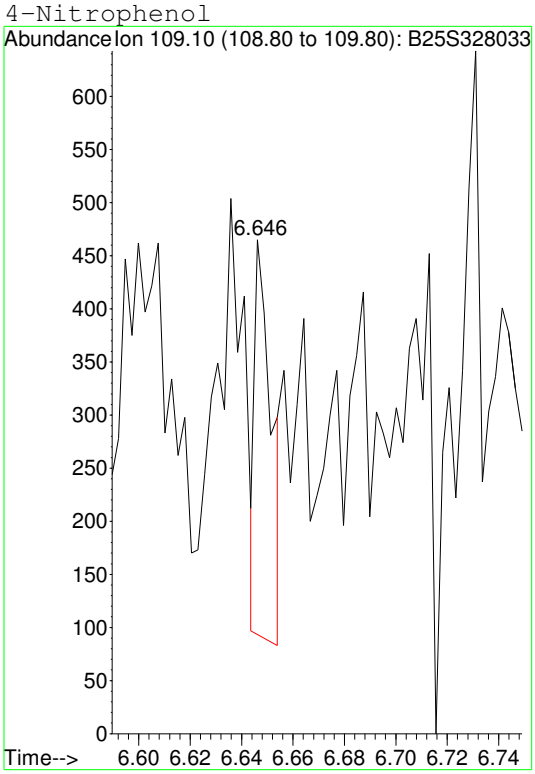
Tue Nov 25 10:46:31 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2,2'-oxybis(1-chloropropane)



Original Integration
4-Nitrophenol



Original Int. Results

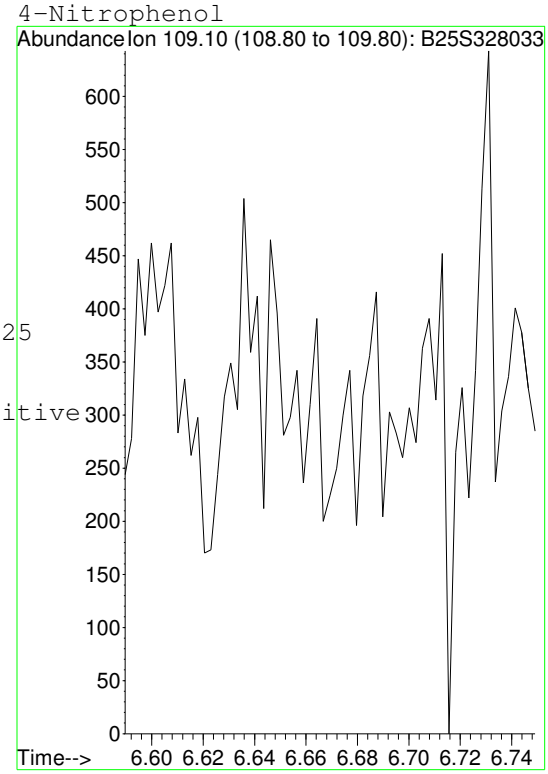
RT : 6.65
Area : 167
Amount: 0.381793

Manual Int. Results

Tue Nov 25 10:46:41 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

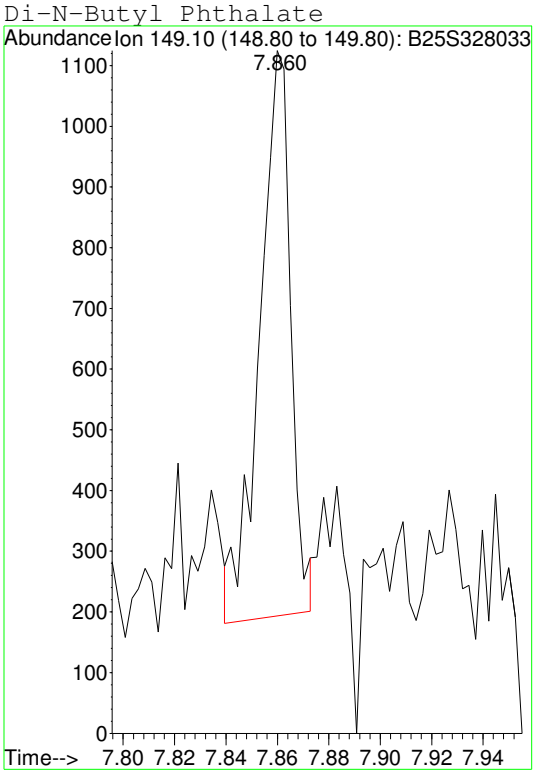
Manual Integration
4-Nitrophenol



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328033.D
Acq On : 24 Nov 2025 10:13 pm
Operator : BGL
Sample : 25K1213-04
Misc :

Quant Time : Tue Nov 25 10:47:38 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Di-N-Butyl Phthalate



Original Int. Results

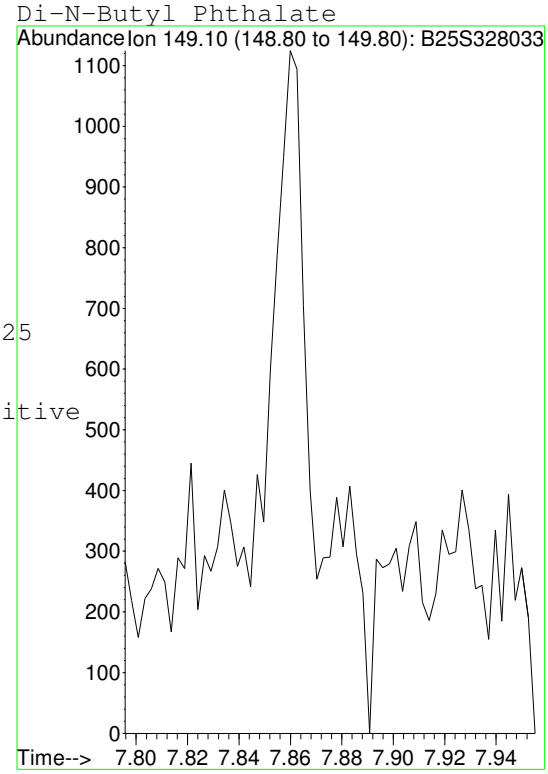
RT : 7.86
Area : 778
Amount: 0.144585

Manual Int. Results

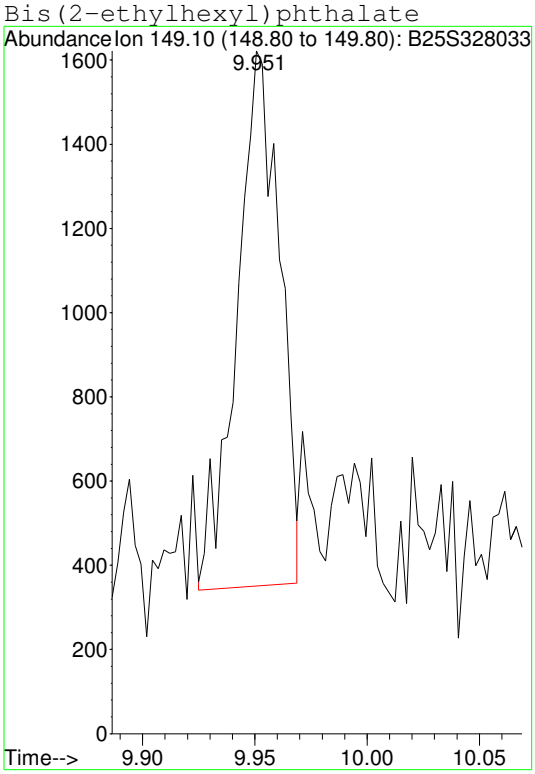
Tue Nov 25 10:46:50 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Di-N-Butyl Phthalate



Original Integration
Bis(2-ethylhexyl)phthalate



Original Int. Results

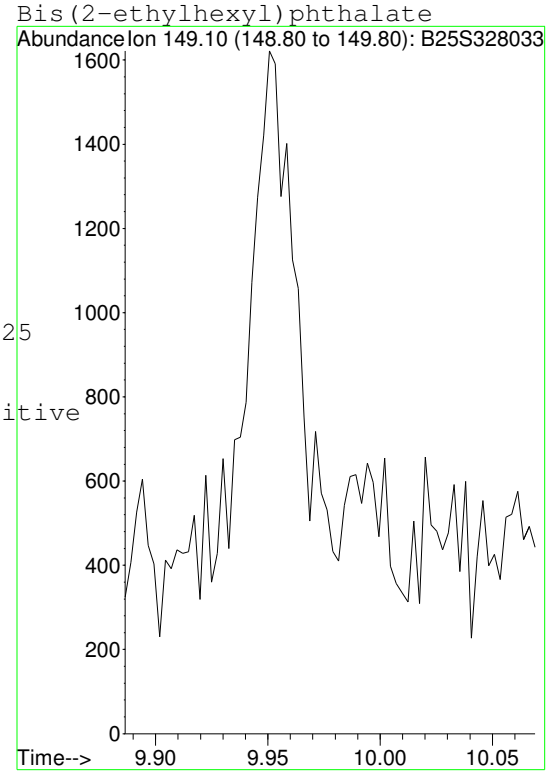
RT : 9.95
Area : 1677
Amount: 0.57448

Manual Int. Results

Tue Nov 25 10:47:02 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

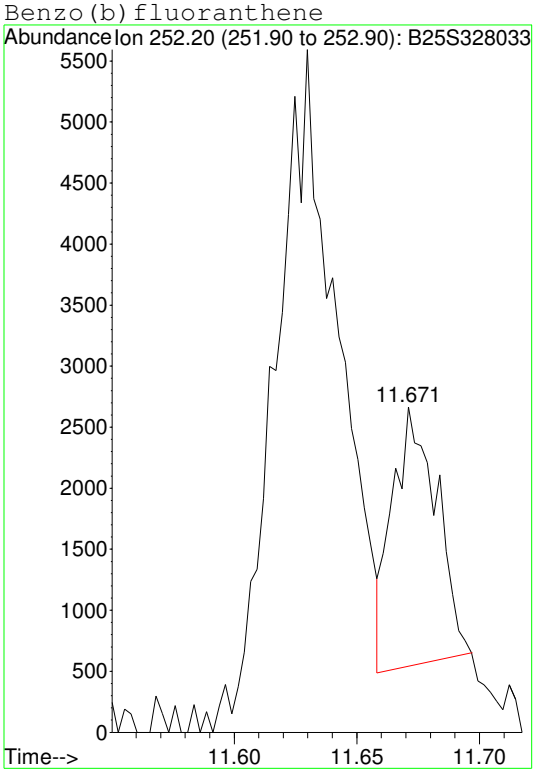
Manual Integration
Bis(2-ethylhexyl)phthalate



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328033.D
Acq On : 24 Nov 2025 10:13 pm
Operator : BGL
Sample : 25K1213-04
Misc :

Quant Time : Tue Nov 25 10:47:38 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Benzo(b)fluoranthene



Original Int. Results

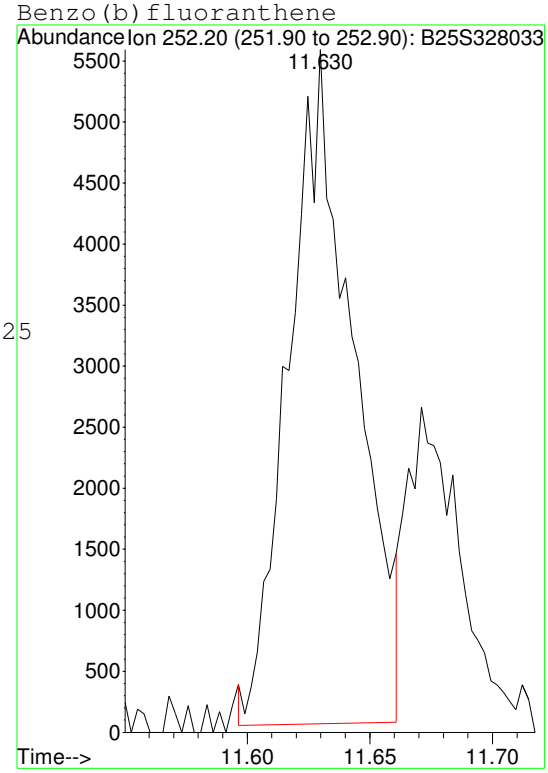
RT : 11.67
Area : 2656
Amount: 0.512036

Manual Int. Results

Tue Nov 25 10:47:38 2025

MIuser: BGL
Reason: Other
RT : 11.63
Area : 10134
Amount: 1.95368

Manual Integration
Benzo(b)fluoranthene



1 - FORM I
ANALYSIS DATA SHEET

E-4 (0-2in)

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-05	File ID:	B25S328034.D
Sampled:	11/17/25 09:50	Prepared:	11/20/25 15:25	Analyzed:	11/24/25 22:37
Solids:	77.09	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.09 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol		0.062	0.87	
1912-24-9	Atrazine		0.060	0.87	
100-52-7	Benzaldehyde		0.061	0.44	L-04, V-05, V-34
92-52-4	Biphenyl		0.049	0.087	
105-60-2	Caprolactam		0.076	0.44	
83-32-9	Acenaphthene		0.0048	0.043	
208-96-8	Acenaphthylene		0.0054	0.043	
98-86-2	Acetophenone		0.046	0.44	
62-53-3	Aniline		0.083	0.44	V-34
120-12-7	Anthracene	0.0086	0.0049	0.043	J
56-55-3	Benzo(a)anthracene	0.051	0.0067	0.043	
50-32-8	Benzo(a)pyrene	0.082	0.014	0.043	
205-99-2	Benzo(b)fluoranthene	0.12	0.011	0.043	
191-24-2	Benzo(g,h,i)perylene	0.092	0.017	0.043	
207-08-9	Benzo(k)fluoranthene	0.038	0.0088	0.043	J
111-91-1	Bis(2-chloroethoxy)methane		0.044	0.44	
111-44-4	Bis(2-chloroethyl)ether		0.058	0.44	
108-60-1	2,2'-oxybis(1-Chloropropane)		0.18	0.44	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.059	0.44	
101-55-3	4-Bromophenylphenylether		0.039	0.44	
85-68-7	Butylbenzylphthalate		0.050	0.44	
86-74-8	Carbazole		0.045	0.22	
106-47-8	4-Chloroaniline		0.071	0.85	
59-50-7	4-Chloro-3-methylphenol		0.046	0.85	
91-58-7	2-Chloronaphthalene		0.039	0.44	
95-57-8	2-Chlorophenol		0.038	0.44	
7005-72-3	4-Chlorophenylphenylether		0.040	0.44	
218-01-9	Chrysene	0.060	0.0056	0.043	
53-70-3	Dibenz(a,h)anthracene	0.021	0.019	0.043	J

1 - FORM I
ANALYSIS DATA SHEET

E-4 (0-2in)

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-05	File ID:	B25S328034.D
Sampled:	11/17/25 09:50	Prepared:	11/20/25 15:25	Analyzed:	11/24/25 22:37
Solids:	77.09	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.09 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
132-64-9	Dibenzofuran		0.043	0.44	
84-74-2	Di-n-butylphthalate		0.17	0.44	
91-94-1	3,3-Dichlorobenzidine		0.078	0.22	
120-83-2	2,4-Dichlorophenol		0.041	0.44	
84-66-2	Diethylphthalate		0.043	0.44	
105-67-9	2,4-Dimethylphenol		0.091	0.44	
131-11-3	Dimethylphthalate		0.039	0.44	
534-52-1	4,6-Dinitro-2-methylphenol		0.36	0.44	
51-28-5	2,4-Dinitrophenol		0.41	0.85	V-04, V-06
121-14-2	2,4-Dinitrotoluene		0.10	0.44	
606-20-2	2,6-Dinitrotoluene		0.055	0.44	
117-84-0	Di-n-octylphthalate		0.065	0.44	
206-44-0	Fluoranthene	0.089	0.0061	0.043	
86-73-7	Fluorene		0.0052	0.043	
118-74-1	Hexachlorobenzene		0.044	0.44	
87-68-3	Hexachlorobutadiene		0.045	0.44	
77-47-4	Hexachlorocyclopentadiene		0.22	0.44	
67-72-1	Hexachloroethane		0.040	0.44	
193-39-5	Indeno(1,2,3-cd)pyrene	0.085	0.018	0.043	
78-59-1	Isophorone		0.047	0.44	
90-12-0	1-Methylnaphthalene		0.0054	0.043	
91-57-6	2-Methylnaphthalene		0.0049	0.043	
95-48-7	2-Methylphenol		0.055	0.44	
108-39-4/106-4	3/4-Methylphenol		0.072	0.44	
91-20-3	Naphthalene		0.0062	0.043	
88-74-4	2-Nitroaniline		0.067	0.44	
99-09-2	3-Nitroaniline		0.057	0.44	
100-01-6	4-Nitroaniline		0.062	0.44	
98-95-3	Nitrobenzene		0.049	0.44	

1 - FORM I
ANALYSIS DATA SHEET

E-4 (0-2in)

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-05	File ID:	B25S328034.D
Sampled:	11/17/25 09:50	Prepared:	11/20/25 15:25	Analyzed:	11/24/25 22:37
Solids:	77.09	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.09 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
88-75-5	2-Nitrophenol		0.045	0.44	
100-02-7	4-Nitrophenol		0.17	0.85	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.057	0.44	
621-64-7	N-Nitrosodi-n-propylamine		0.054	0.44	
87-86-5	Pentachlorophenol		0.056	0.44	
85-01-8	Phenanthrene	0.030	0.0044	0.043	J
108-95-2	Phenol		0.042	0.44	
129-00-0	Pyrene	0.078	0.0074	0.043	
110-86-1	Pyridine		0.056	0.44	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.042	0.44	
95-95-4	2,4,5-Trichlorophenol		0.044	0.44	
88-06-2	2,4,6-Trichlorophenol		0.038	0.44	

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328034.D
Acq On : 24 Nov 2025 10:37 pm
Operator : BGL
Sample : 25K1213-05 Inst : GCMSSV2
Misc :
ALS Vial : 34 Sample Multiplier: 1

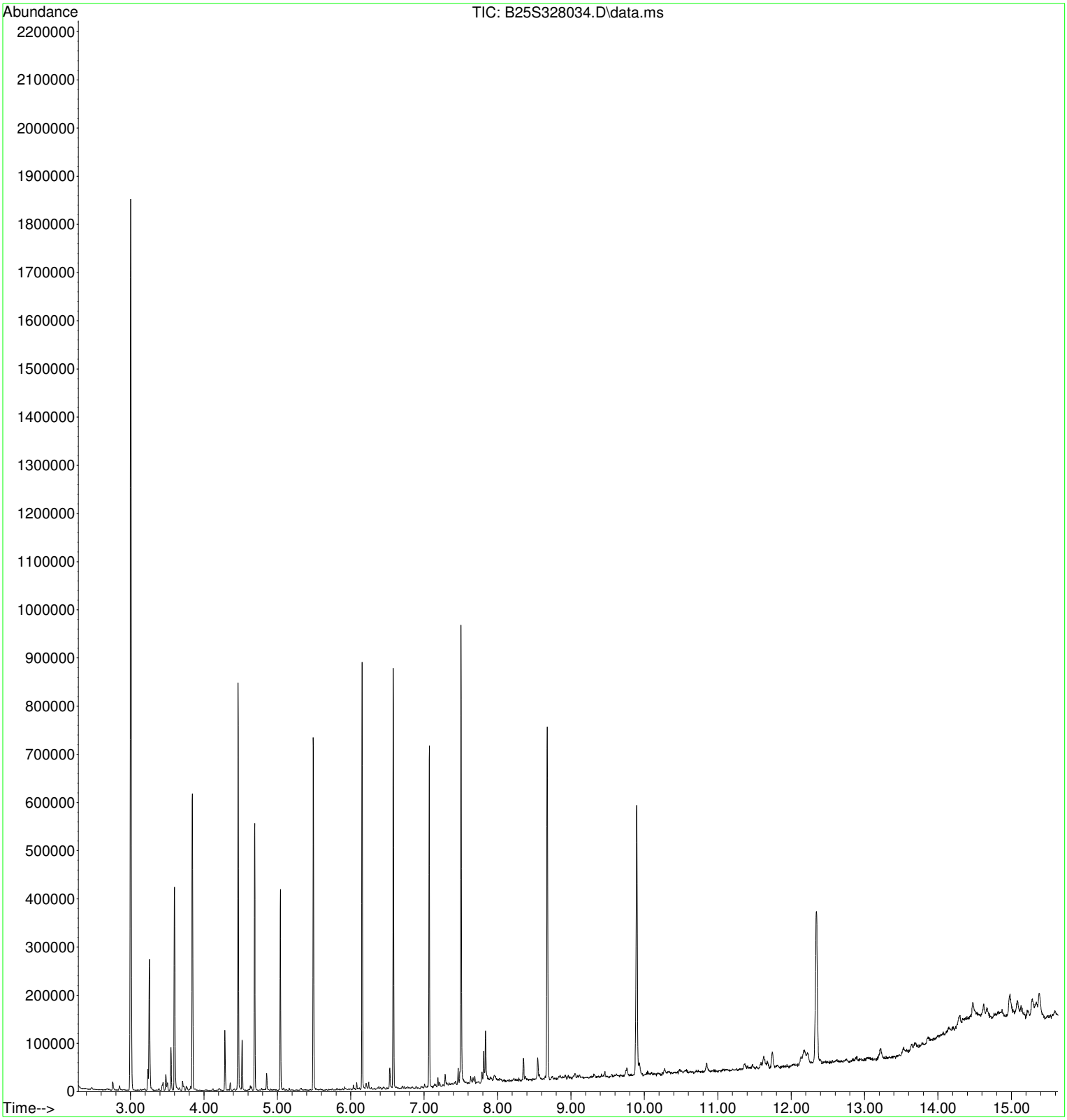
Quant Time: Nov 24 22:53:15 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

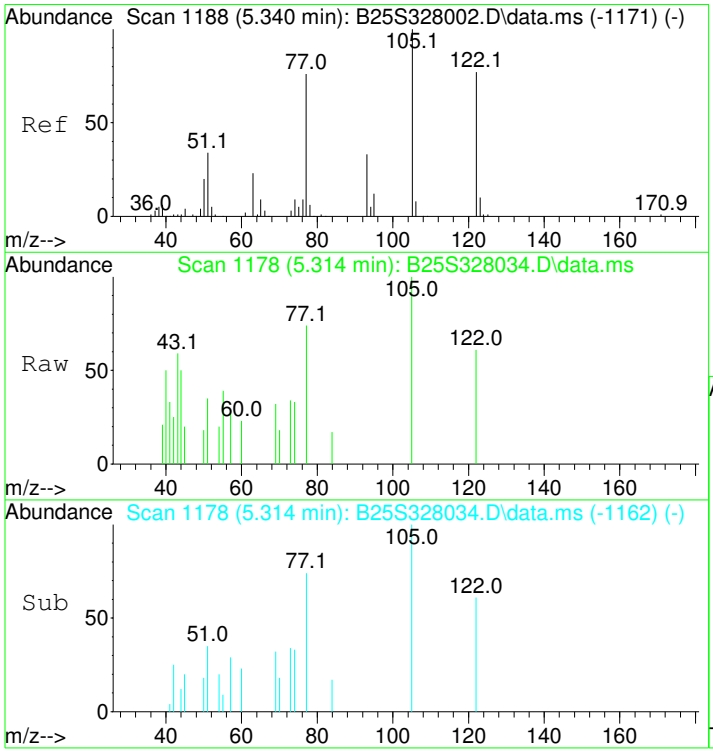
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.692	152	62692	40.00	ug/ml	-0.01
19) NAPHTHALENE-d8	5.489	136	239475	40.00	ug/ml	-0.01
35) ACENAPHTHENE-D10	6.579	164	128345	40.00	ug/ml	-0.01
58) PHENANTHRENE-D10	7.502	188	225150	40.00	ug/ml	-0.01
71) CHRYSENE-D12	9.897	240	217906	40.00	ug/ml	-0.02
80) PERYLENE-D12	12.345	264	193482	40.00	ug/ml	-0.02
88) 1,4-Dichlorobenzene-D4...	4.692	152	62692	40.00	ug/ml	-0.01
92) NAPHTHALENE-d8 (2)	5.489	136	239475	40.00	ug/ml	-0.01
95) ACENAPHTHENE-D10 (2)	6.579	164	128319	40.00	ug/ml	-0.01
System Monitoring Compounds						
2) 2-Fluorophenol	3.843	112	132334	75.55	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 37.77%			
3) Phenol-d6	4.465	99	216719	75.04	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 37.52%			
20) Nitrobenzene-d5	5.041	82	93133	39.08	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 39.08%			
36) 2-Fluorobiphenyl	6.155	172	178189	42.05	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 42.05%			
37) 2,4,6-Tribromophenol	7.070	330	50053	87.81	ug/ml	-0.01
Spiked Amount 200.000	Range 30 - 130		Recovery = 43.91%			
72) p-Terphenyl-d14	8.678	244	195538	43.33	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 43.33%			
Target Compounds						Qvalue
26) Benzoic Acid	5.314	122	630	0.53	ug/ml	92
39) 1,2,4,5-Tetrachloroben...	6.037	216	1118	0.63	ug/ml	98
66) Phenanthrene	7.518	178	4867	0.69	ug/ml	91
67) Anthracene	7.549	178	1428	0.20	ug/ml	81
70) Flouranthene	8.351	202	14292	2.06	ug/ml	96
74) Pyrene	8.546	202	14571	1.82	ug/ml	94
77) Benzo(a)anthracene	9.884	228	8783	1.19	ug/ml	91
78) Chrysene	9.930	228	10102	1.39	ug/ml	90
82) Benzo(b)fluoranthene	11.625	252	16564	2.79	ug/ml	91
83) Benzo(k)fluoranthene	11.676	252	5250	0.89	ug/ml	69
84) Benzo(a)pyrene	12.229	252	10529	1.91	ug/ml	76
85) Indeno(1,2,3-cd)pyrene	14.297	276	9674	1.98	ug/ml	89
86) Dibenz(a,h)anthracene	14.343	278	2469	0.48	ug/ml	77
87) Benzo(g,h,i)perylene	14.672	276	11556	2.13	ug/ml	92
90) Benzaldehyde	4.411	106	554	0.27	ug/ml#	80

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

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328034.D
Acq On : 24 Nov 2025 10:37 pm
Operator : BGL
Sample : 25K1213-05 Inst : GCMSSV2
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Nov 24 22:53:15 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

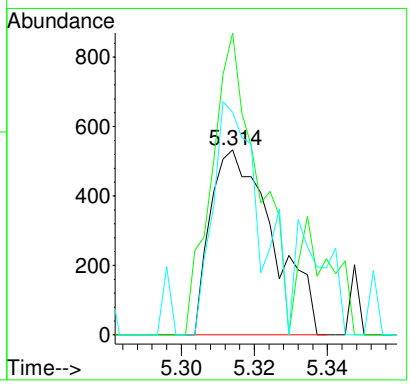


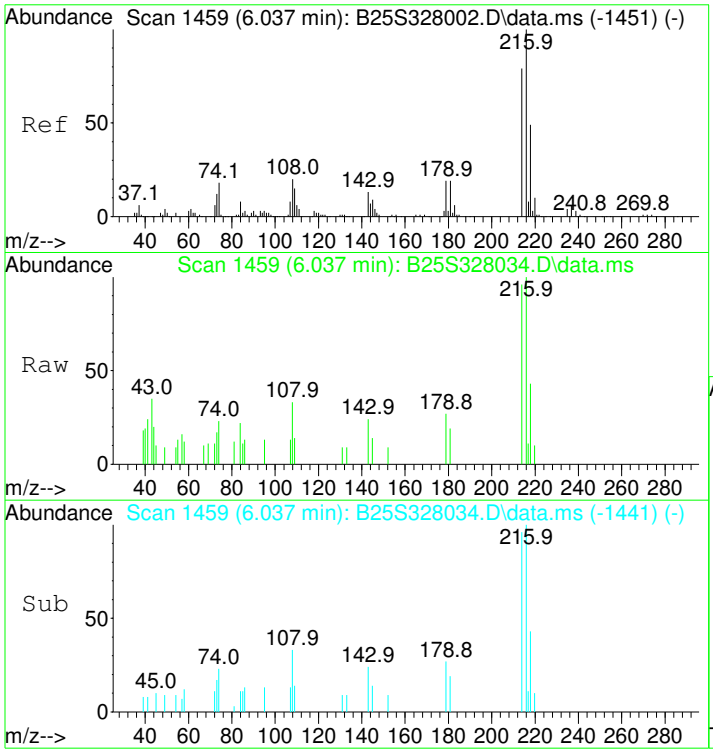


#26
Benzoic Acid
Concen: 0.53 ug/ml
RT: 5.314 min Scan# 1178
Delta R.T. -0.026 min
Lab File: B25S328034.D
Acq: 24 Nov 2025 10:37 pm

Tgt Ion:122 Resp: 630

Ion	Ratio	Lower	Upper
122	100		
105	121.7	95.4	135.4
77	93.3	64.2	104.2

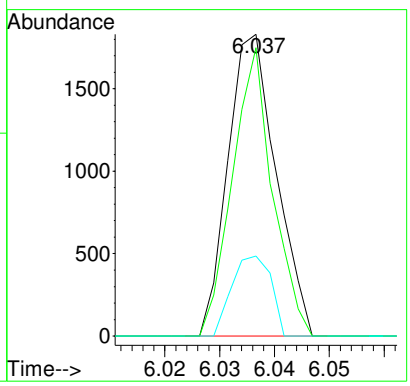


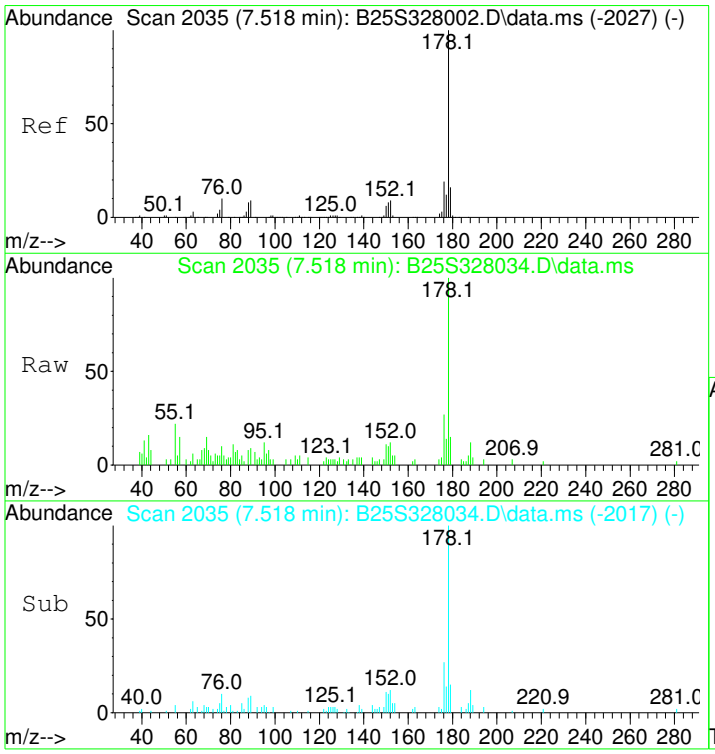


#39
1,2,4,5-Tetrachlorobenzene
Concen: 0.63 ug/ml
RT: 6.037 min Scan# 1459
Delta R.T. -0.013 min
Lab File: B25S328034.D
Acq: 24 Nov 2025 10:37 pm

Tgt Ion:216 Resp: 1118

Ion	Ratio	Lower	Upper
216	100		
214	79.6	58.2	98.2
179	21.6	1.0	41.0

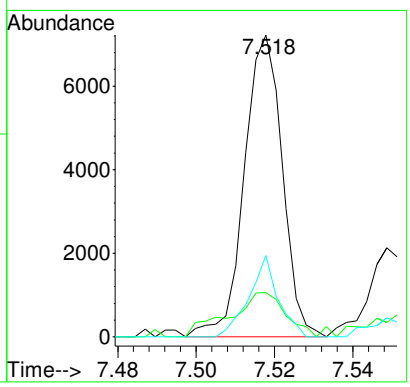


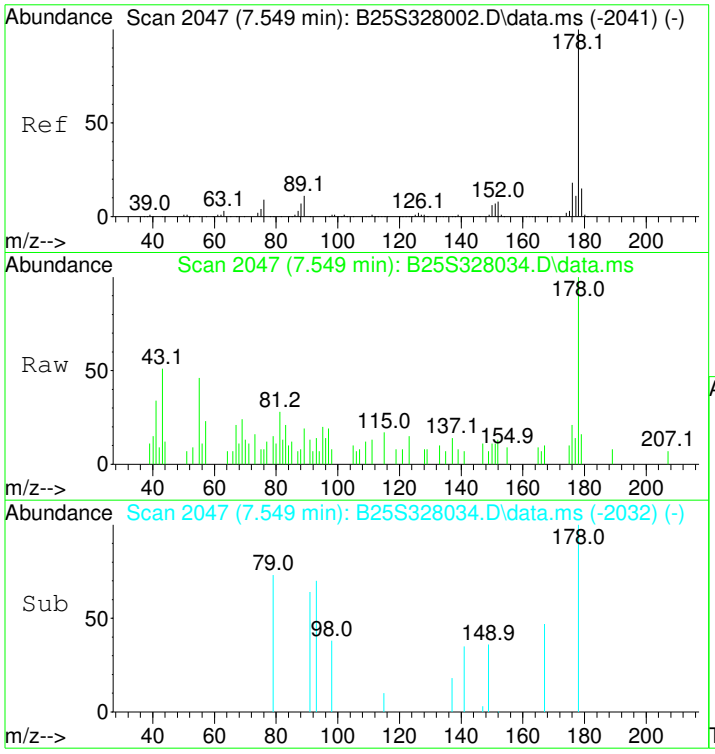


#66
Phenanthrene
Concen: 0.69 ug/ml
RT: 7.518 min Scan# 2035
Delta R.T. -0.010 min
Lab File: B25S328034.D
Acq: 24 Nov 2025 10:37 pm

Tgt Ion:178 Resp: 4867

Ion	Ratio	Lower	Upper
178	100		
179	21.8	0.0	35.5
176	20.5	0.0	39.0

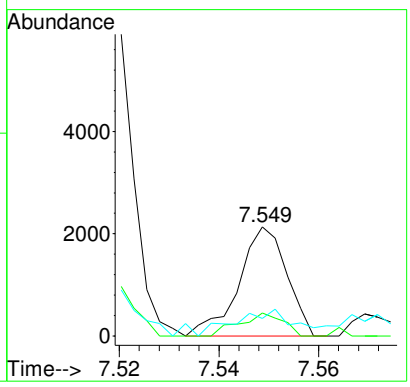


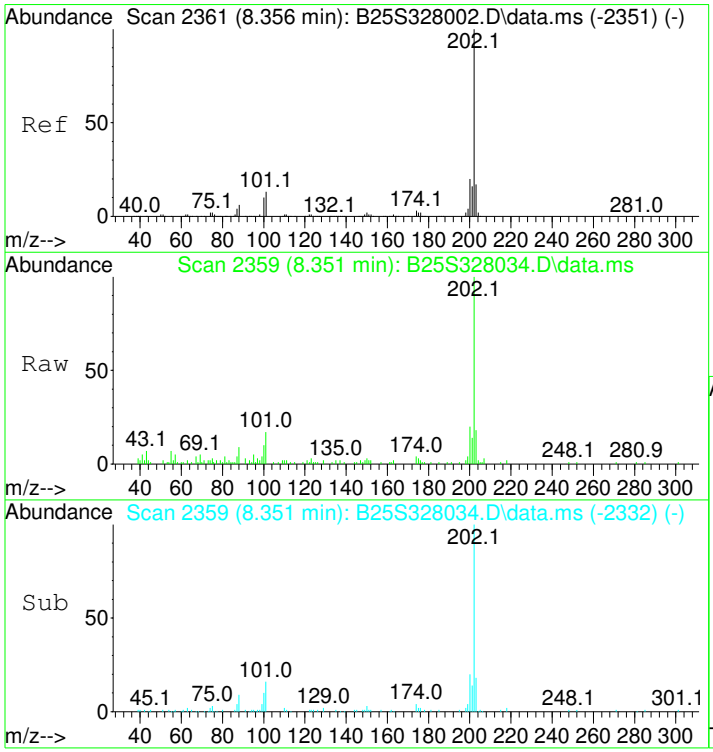


#67
Anthracene
Concen: 0.20 ug/ml
RT: 7.549 min Scan# 2047
Delta R.T. -0.013 min
Lab File: B25S328034.D
Acq: 24 Nov 2025 10:37 pm

Tgt Ion:178 Resp: 1428

Ion	Ratio	Lower	Upper
178	100		
176	19.4	0.0	38.3
179	31.7	0.0	35.5

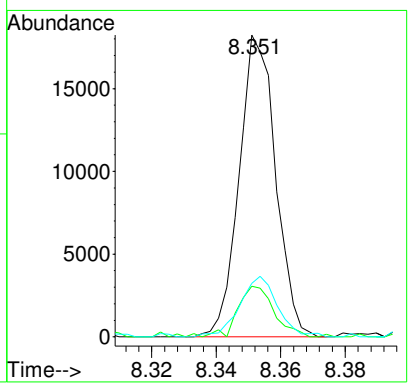


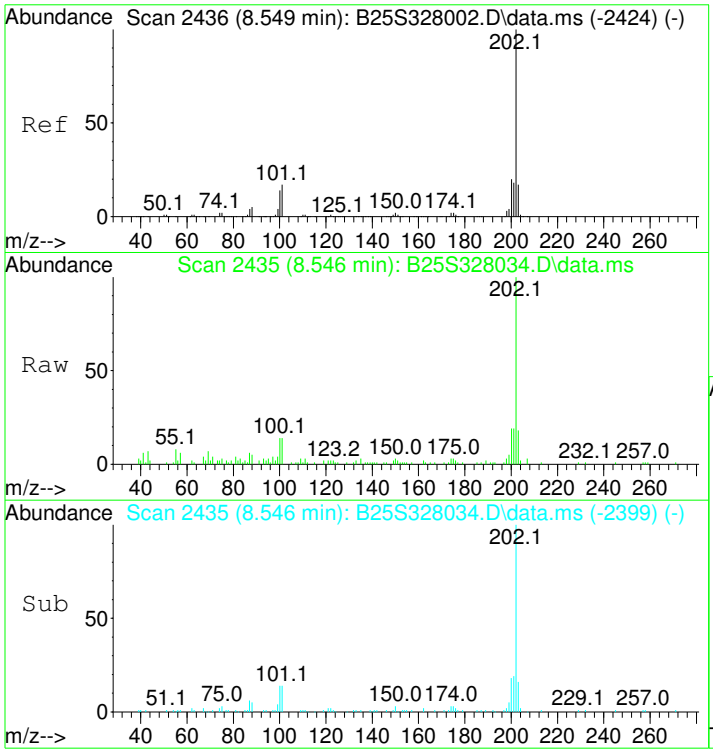


#70
Flouranthene
Concen: 2.06 ug/ml
RT: 8.351 min Scan# 2359
Delta R.T. -0.015 min
Lab File: B25S328034.D
Acq: 24 Nov 2025 10:37 pm

Tgt Ion:202 Resp: 14292

Ion	Ratio	Lower	Upper
202	100		
101	16.7	0.0	36.2
203	20.8	0.0	37.5

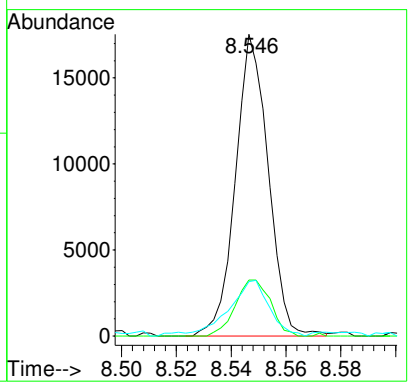


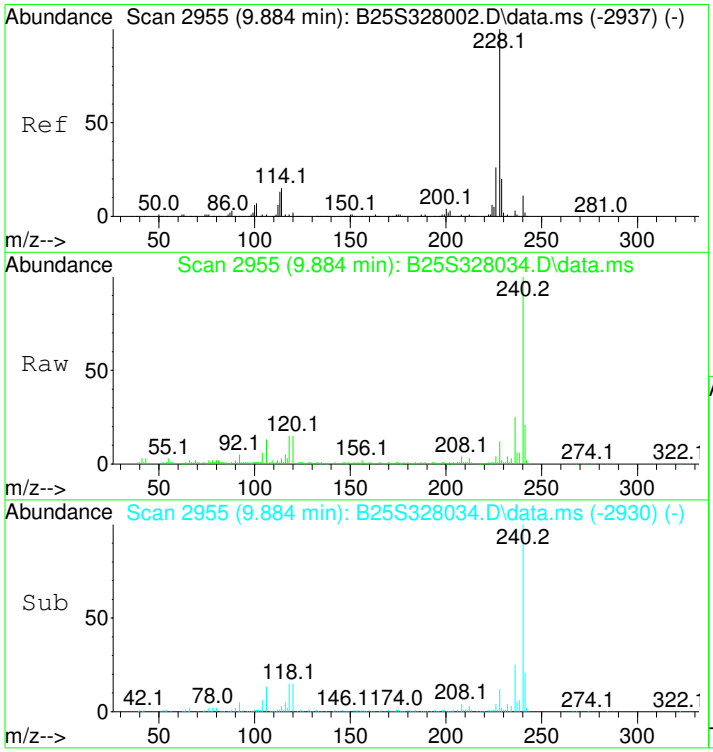


#74
Pyrene
Concen: 1.82 ug/ml
RT: 8.546 min Scan# 2435
Delta R.T. -0.015 min
Lab File: B25S328034.D
Acq: 24 Nov 2025 10:37 pm

Tgt Ion:202 Resp: 14571

Ion	Ratio	Lower	Upper
202	100		
200	20.0	0.1	40.1
203	23.2	0.0	38.1

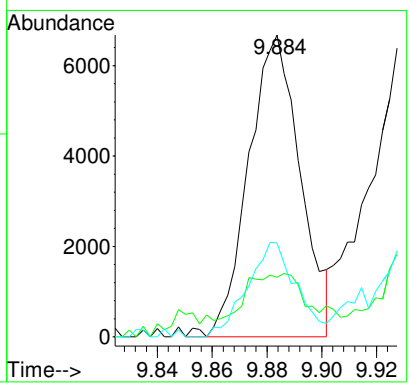


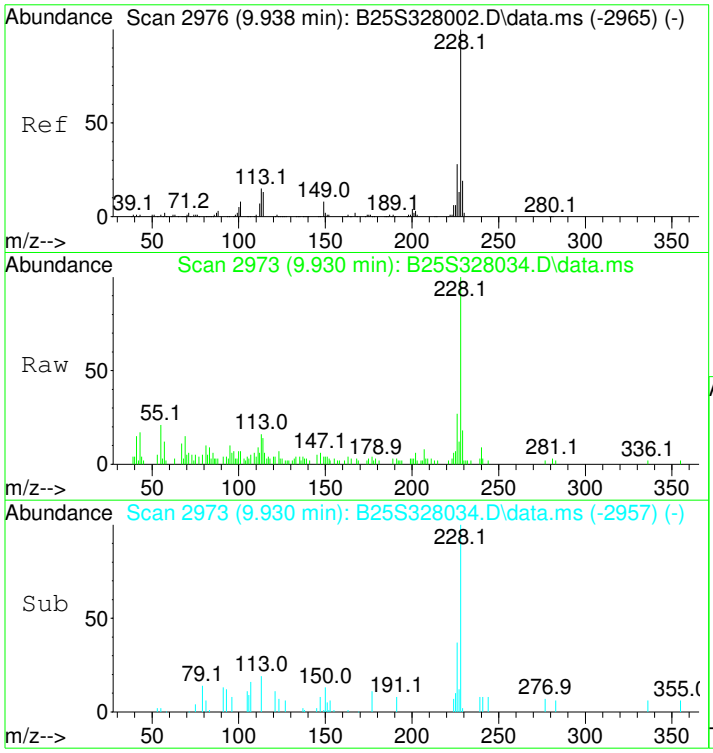


#77
Benzo(a)anthracene
Concen: 1.19 ug/ml
RT: 9.884 min Scan# 2955
Delta R.T. -0.018 min
Lab File: B25S328034.D
Acq: 24 Nov 2025 10:37 pm

Tgt Ion:228 Resp: 8783

Ion	Ratio	Lower	Upper
228	100		
229	22.9	0.0	38.9
226	29.6	4.9	44.9

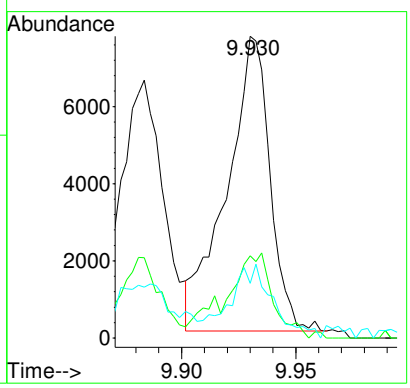


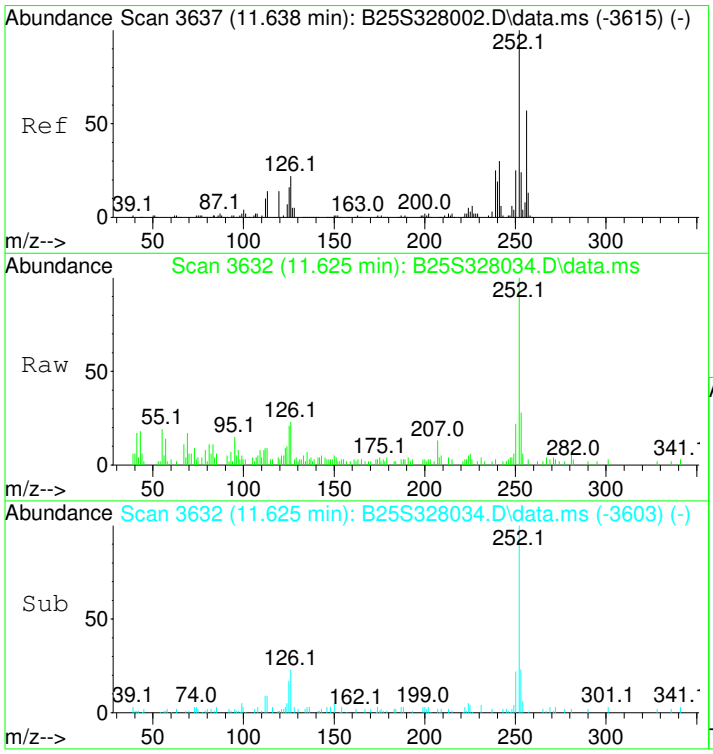


#78
Chrysene
Concen: 1.39 ug/ml
RT: 9.930 min Scan# 2973
Delta R.T. -0.023 min
Lab File: B25S328034.D
Acq: 24 Nov 2025 10:37 pm

Tgt Ion:228 Resp: 10102

Ion	Ratio	Lower	Upper
228	100		
226	24.7	8.1	48.1
229	25.3	0.0	38.9

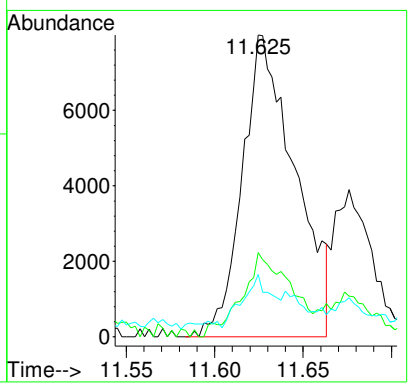


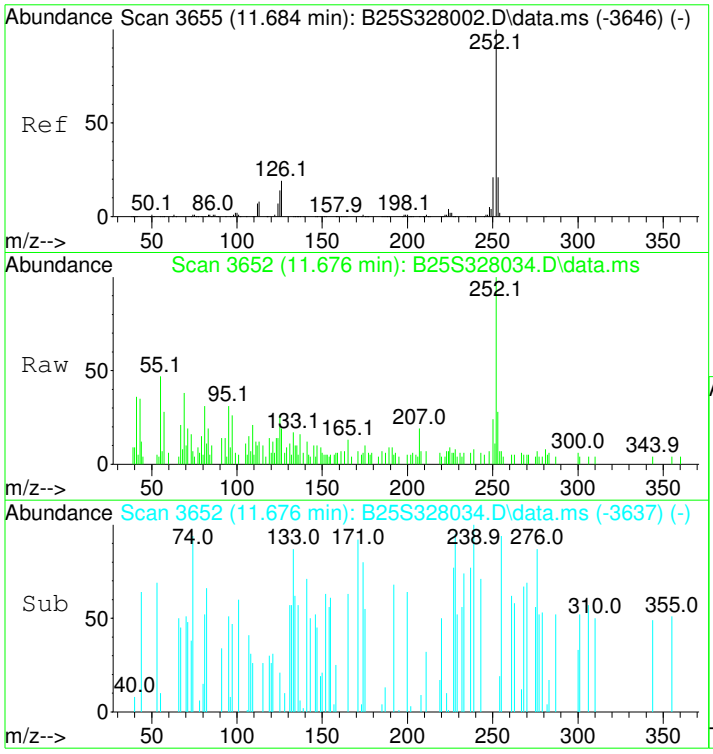


#82
Benzo(b)fluoranthene
Concen: 2.79 ug/ml
RT: 11.625 min Scan# 3632
Delta R.T. -0.028 min
Lab File: B25S328034.D
Acq: 24 Nov 2025 10:37 pm

Tgt Ion:252 Resp: 16564

Ion	Ratio	Lower	Upper
252	100		
253	25.6	2.2	42.2
125	9.7	0.0	34.5

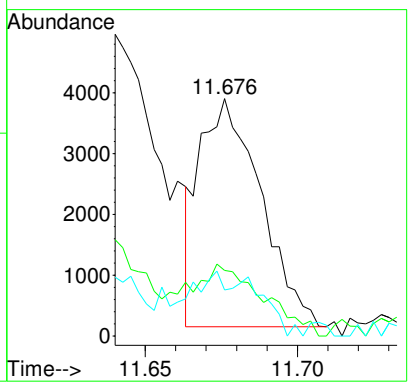


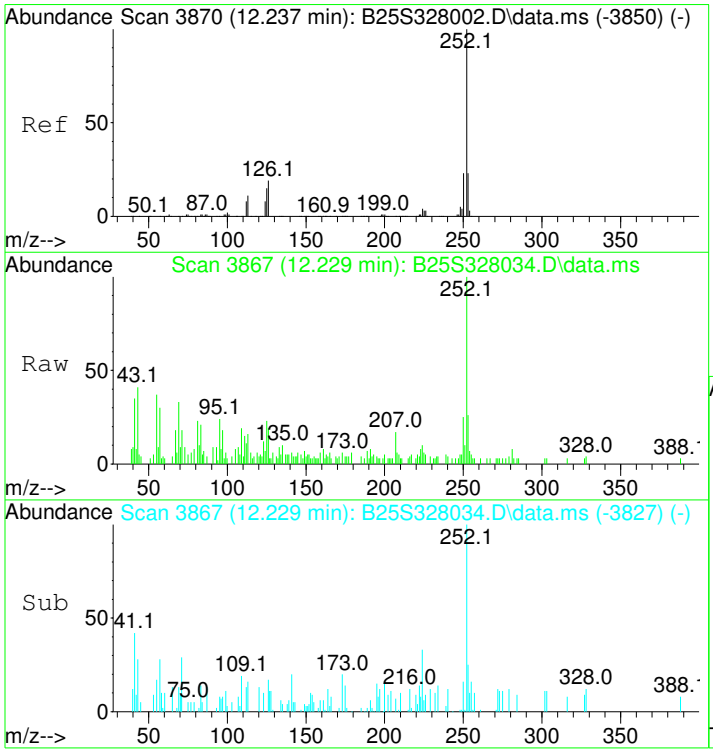


#83
Benzo(k)fluoranthene
Concen: 0.89 ug/ml
RT: 11.676 min Scan# 3652
Delta R.T. -0.028 min
Lab File: B25S328034.D
Acq: 24 Nov 2025 10:37 pm

Tgt Ion:252 Resp: 5250

Ion	Ratio	Lower	Upper
252	100		
253	39.4	0.7	40.7
126	9.8	0.0	39.4

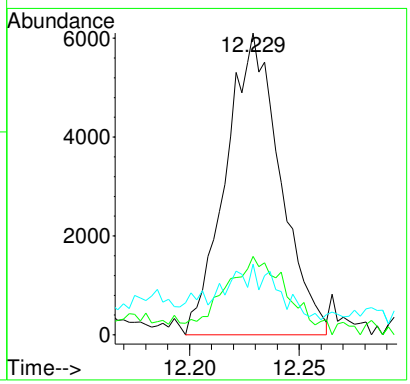


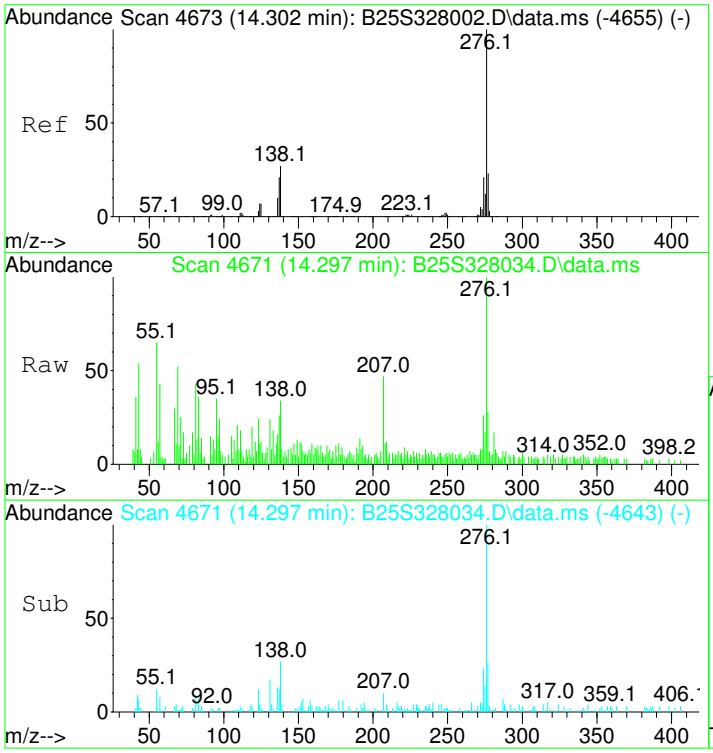


#84
Benzo(a)pyrene
Concen: 1.91 ug/ml
RT: 12.229 min Scan# 3867
Delta R.T. -0.023 min
Lab File: B25S328034.D
Acq: 24 Nov 2025 10:37 pm

Tgt Ion:252 Resp: 10529

Ion	Ratio	Lower	Upper
252	100		
253	29.9	0.4	40.4
125	1.8	0.0	34.0

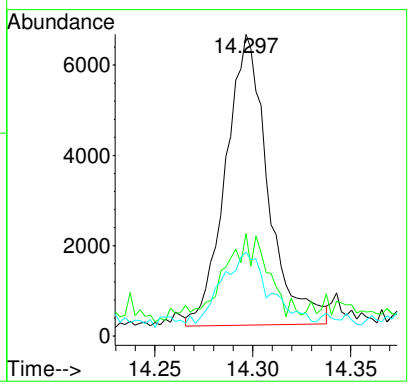


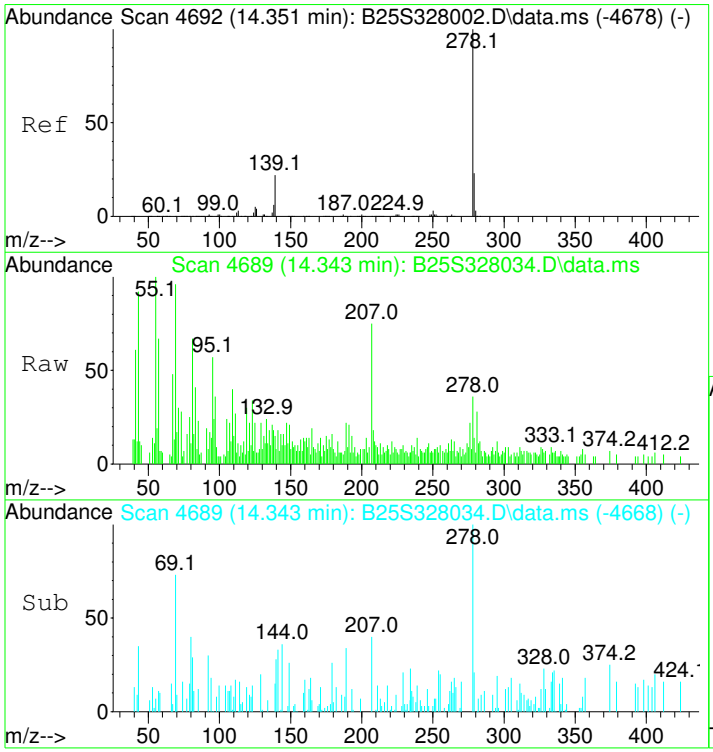


#85
Indeno(1,2,3-cd)pyrene
Concen: 1.98 ug/ml
RT: 14.297 min Scan# 4671
Delta R.T. -0.018 min
Lab File: B25S328034.D
Acq: 24 Nov 2025 10:37 pm

Tgt Ion:276 Resp: 9674

Ion	Ratio	Lower	Upper
276	100		
138	17.8	5.0	45.0
277	28.3	4.1	44.1

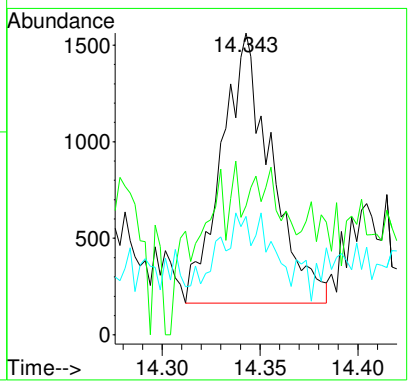


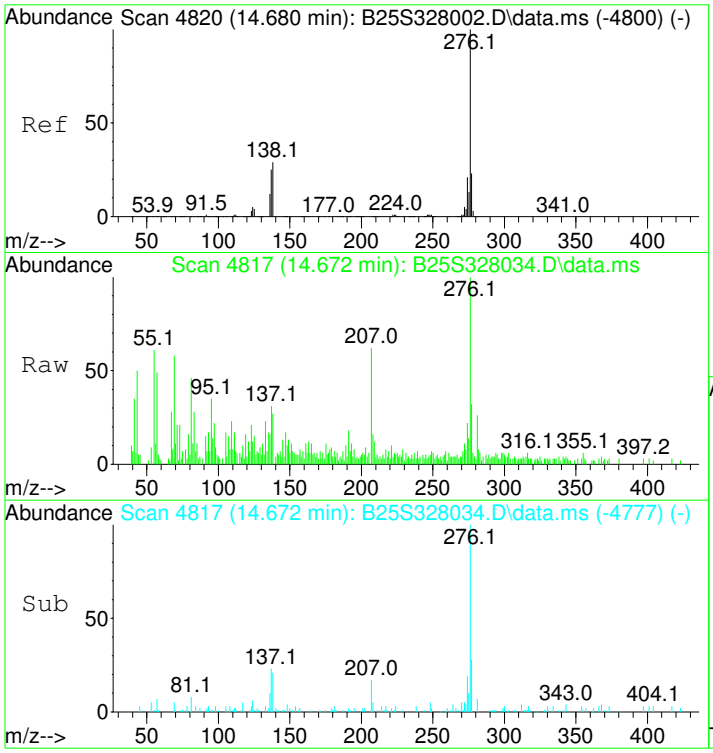


#86
Dibenz(a,h)anthracene
Concen: 0.48 ug/ml
RT: 14.343 min Scan# 4689
Delta R.T. -0.018 min
Lab File: B25S328034.D
Acq: 24 Nov 2025 10:37 pm

Tgt Ion:278 Resp: 2469

Ion	Ratio	Lower	Upper
278	100		
139	13.6	1.1	41.1
279	9.1	3.5	43.5

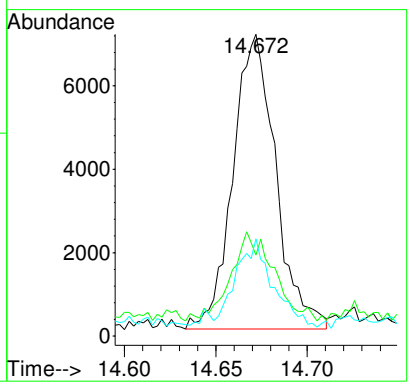


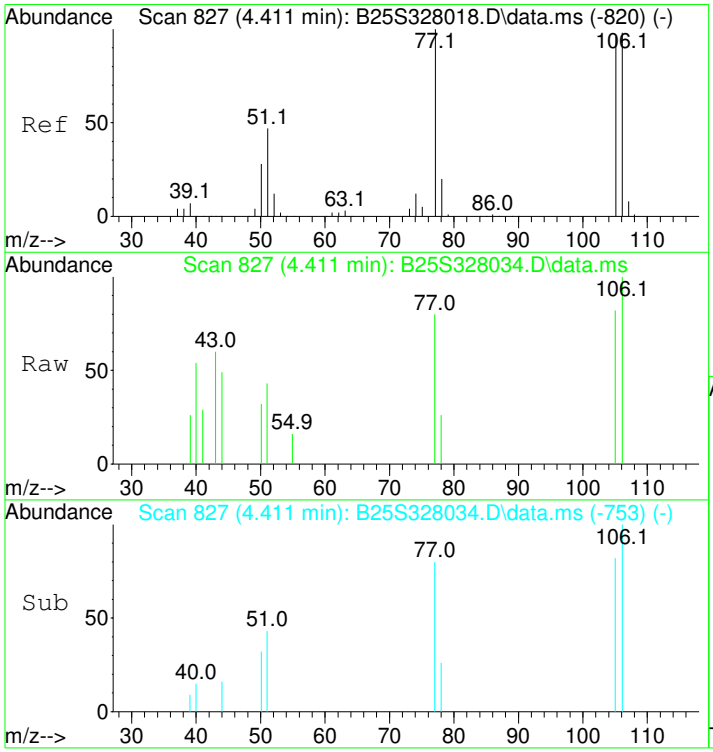


#87
Benzo(g,h,i)perylene
Concen: 2.13 ug/ml
RT: 14.672 min Scan# 4817
Delta R.T. -0.015 min
Lab File: B25S328034.D
Acq: 24 Nov 2025 10:37 pm

Tgt Ion:276 Resp: 11556

Ion	Ratio	Lower	Upper
276	100		
138	30.4	5.6	45.6
277	25.9	3.2	43.2

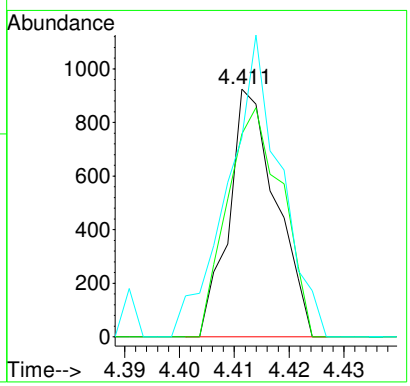




#90
Benzaldehyde
Concen: 0.27 ug/ml
RT: 4.411 min Scan# 827
Delta R.T. -0.011 min
Lab File: B25S328034.D
Acq: 24 Nov 2025 10:37 pm

Tgt Ion:106 Resp: 554

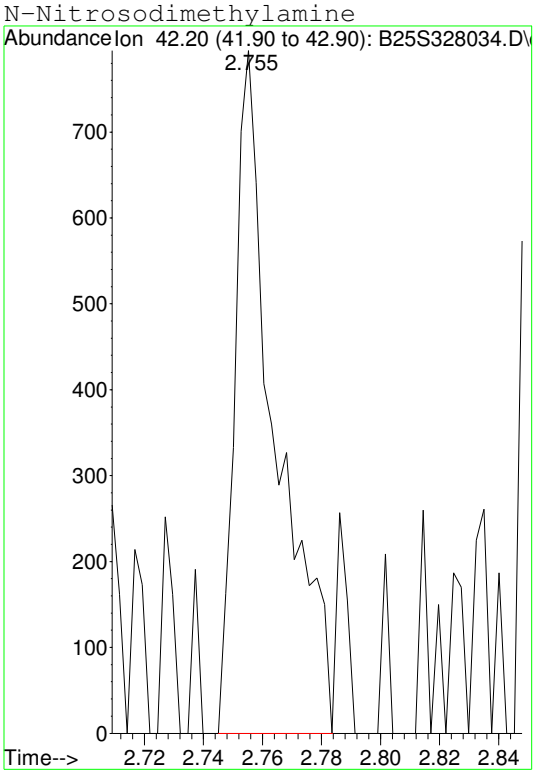
Ion	Ratio	Lower	Upper
106	100		
105	106.9	79.4	119.2
77	134.8	81.3	121.9#



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328034.D
Acq On : 24 Nov 2025 10:37 pm
Operator : BGL
Sample : 25K1213-05
Misc :

Quant Time : Tue Nov 25 10:49:24 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
N-Nitrosodimethylamine



Original Int. Results

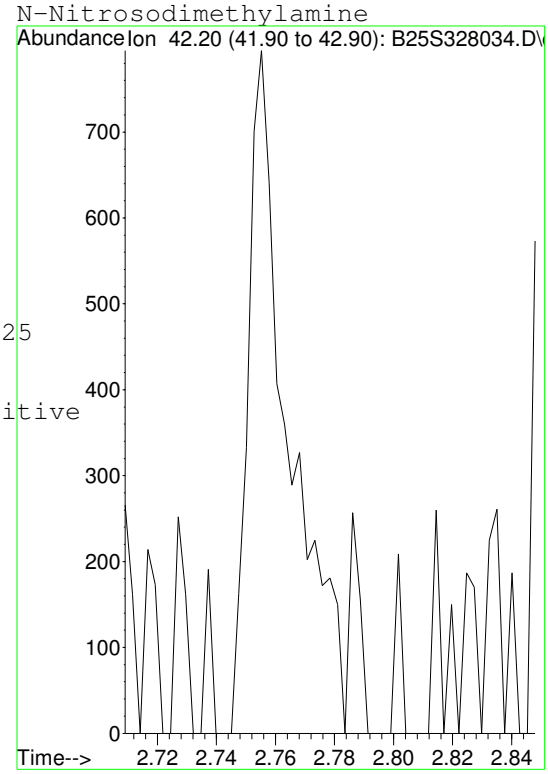
RT : 2.76
Area : 763
Amount: 0.683472

Manual Int. Results

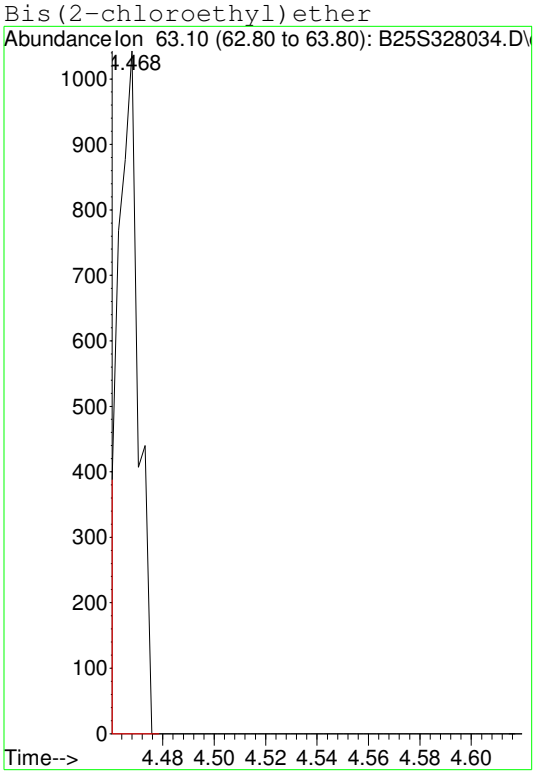
Tue Nov 25 10:48:41 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
N-Nitrosodimethylamine



Original Integration
Bis(2-chloroethyl)ether



Original Int. Results

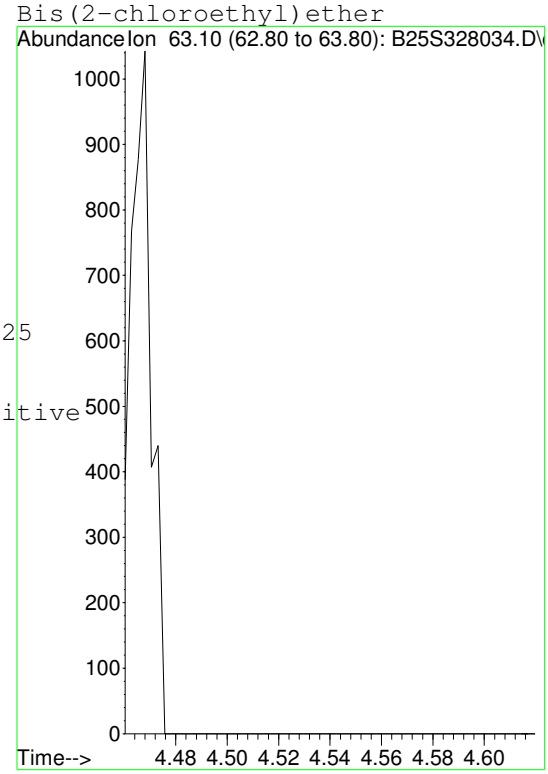
RT : 4.47
Area : 630
Amount: 0.391624

Manual Int. Results

Tue Nov 25 10:48:41 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

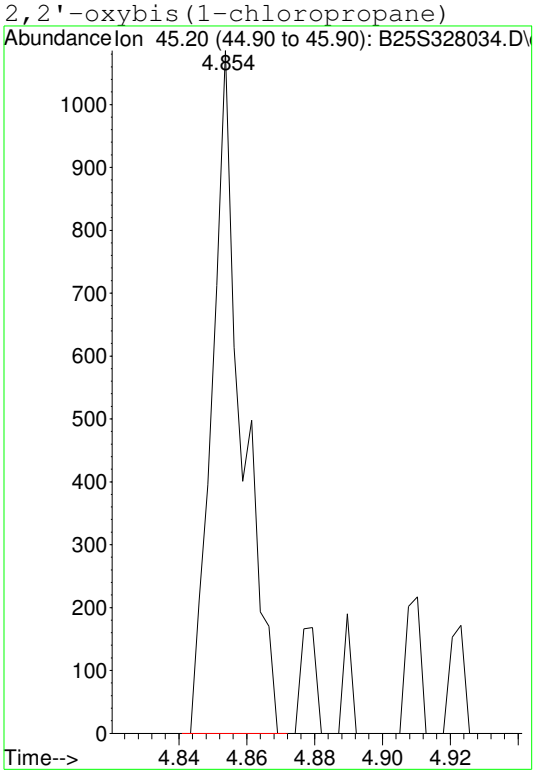
Manual Integration
Bis(2-chloroethyl)ether



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328034.D
Acq On : 24 Nov 2025 10:37 pm
Operator : BGL
Sample : 25K1213-05
Misc :

Quant Time : Tue Nov 25 10:49:24 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
2,2'-oxybis(1-chloropropane)



Original Int. Results

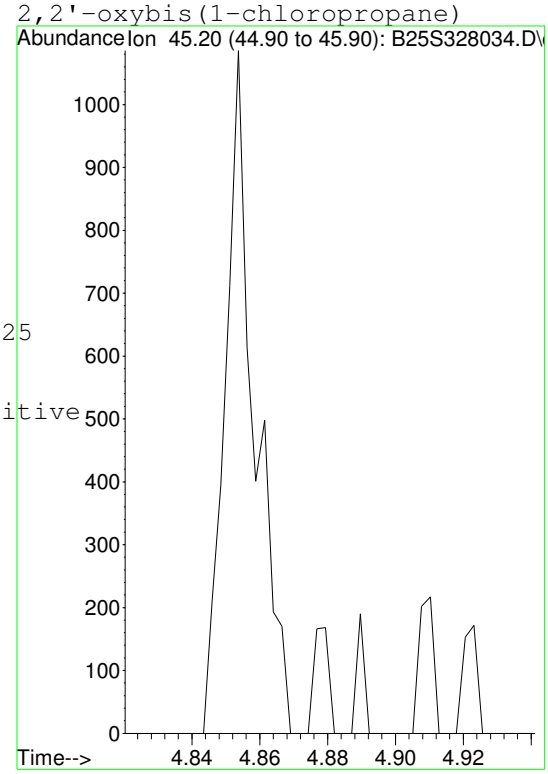
RT : 4.85
Area : 660
Amount: 0.253072

Manual Int. Results

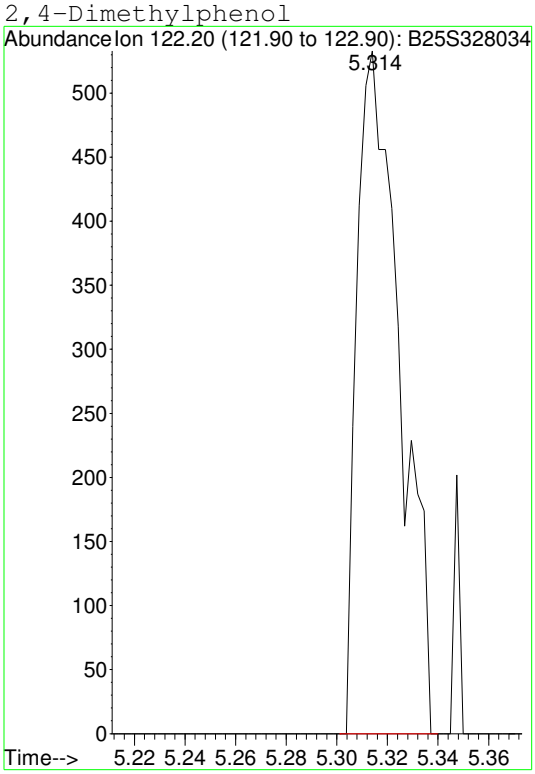
Tue Nov 25 10:48:41 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2,2'-oxybis(1-chloropropane)



Original Integration
2,4-Dimethylphenol



Original Int. Results

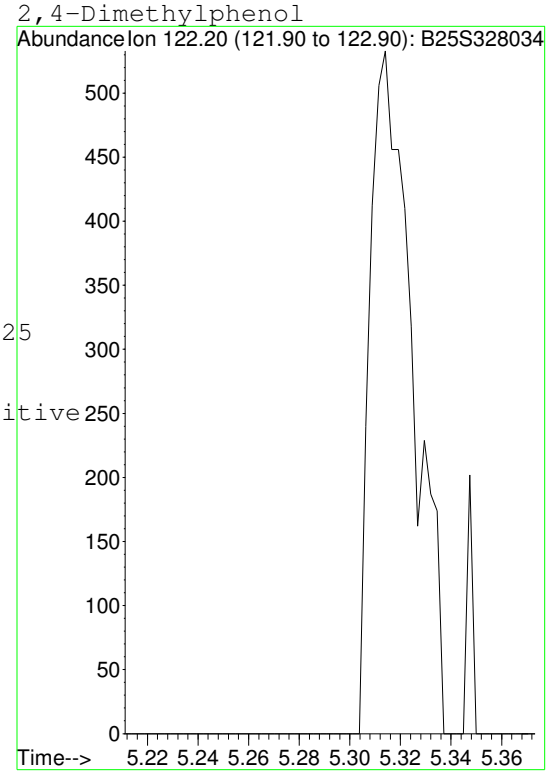
RT : 5.31
Area : 630
Amount: 0.329401

Manual Int. Results

Tue Nov 25 10:48:41 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

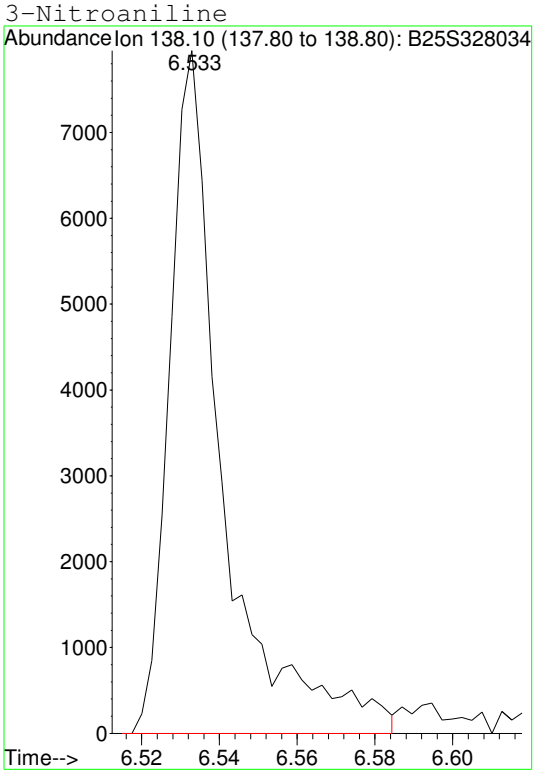
Manual Integration
2,4-Dimethylphenol



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328034.D
Acq On : 24 Nov 2025 10:37 pm
Operator : BGL
Sample : 25K1213-05
Misc :

Quant Time : Tue Nov 25 10:49:24 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
3-Nitroaniline



Original Int. Results

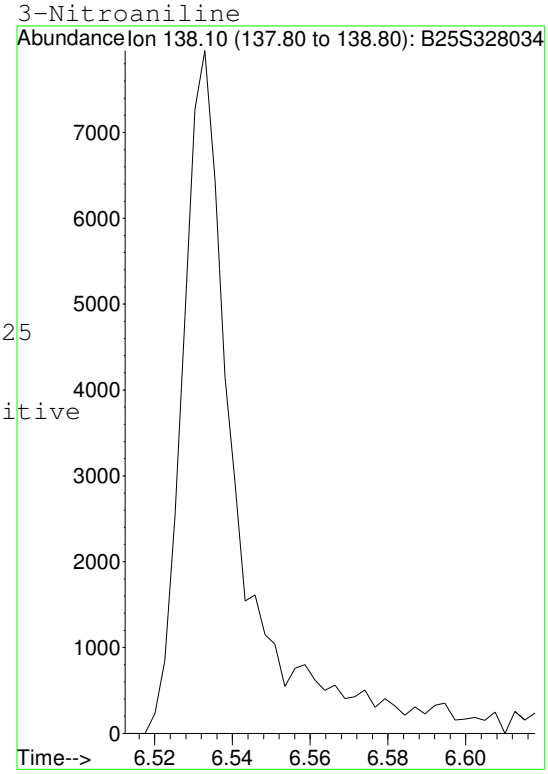
RT : 6.53
Area : 7552
Amount: 6.57919

Manual Int. Results

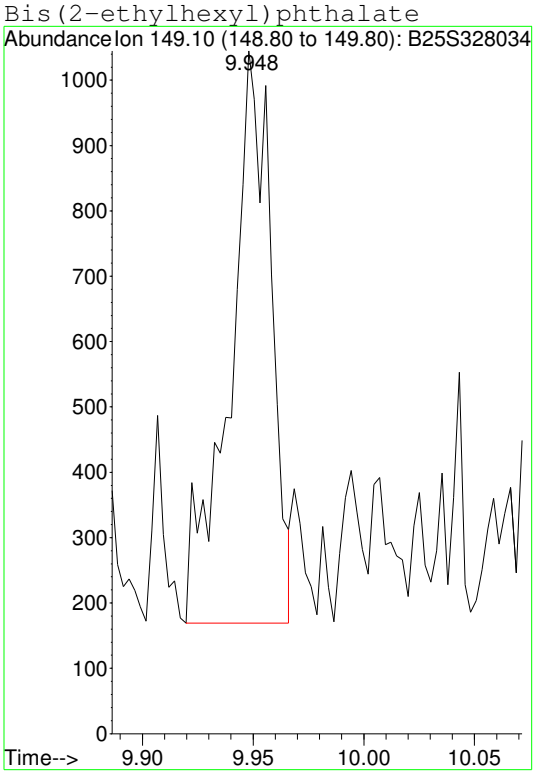
Tue Nov 25 10:48:40 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
3-Nitroaniline



Original Integration
Bis(2-ethylhexyl)phthalate



Original Int. Results

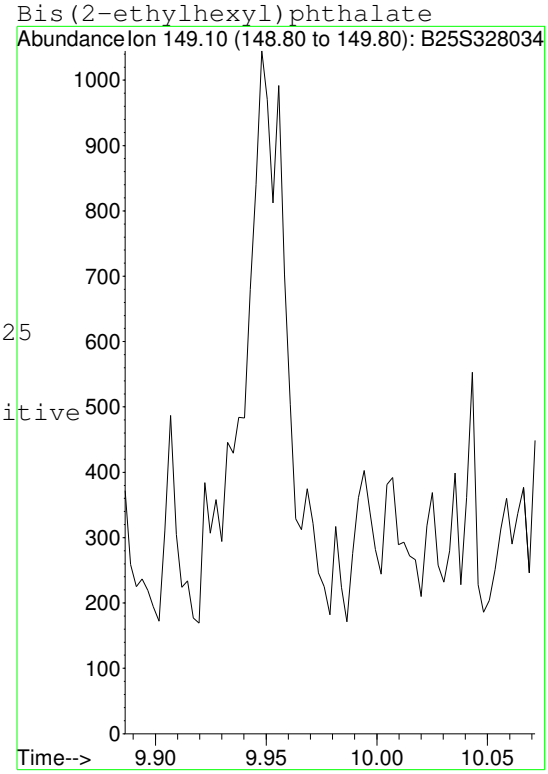
RT : 9.95
Area : 1131
Amount: 0.338299

Manual Int. Results

Tue Nov 25 10:49:24 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Bis(2-ethylhexyl)phthalate



1 - FORM I
ANALYSIS DATA SHEET

E-4 (2-12in)

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-06	File ID:	B25S328035.D
Sampled:	11/17/25 09:55	Prepared:	11/20/25 15:25	Analyzed:	11/24/25 23:01
Solids:	82.86	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.06 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833
Instrument:	GCMSSV2				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol		0.058	0.81	
1912-24-9	Atrazine		0.056	0.81	
100-52-7	Benzaldehyde		0.057	0.41	L-04, V-05, V-34
92-52-4	Biphenyl		0.046	0.081	
105-60-2	Caprolactam		0.071	0.41	
83-32-9	Acenaphthene		0.0045	0.040	
208-96-8	Acenaphthylene	0.010	0.0051	0.040	J
98-86-2	Acetophenone		0.043	0.41	
62-53-3	Aniline		0.077	0.41	V-34
120-12-7	Anthracene	0.031	0.0046	0.040	J
56-55-3	Benzo(a)anthracene	0.34	0.0063	0.040	
50-32-8	Benzo(a)pyrene	0.46	0.013	0.040	
205-99-2	Benzo(b)fluoranthene	0.62	0.0099	0.040	
191-24-2	Benzo(g,h,i)perylene	0.44	0.016	0.040	
207-08-9	Benzo(k)fluoranthene	0.22	0.0082	0.040	
111-91-1	Bis(2-chloroethoxy)methane		0.041	0.41	
111-44-4	Bis(2-chloroethyl)ether		0.054	0.41	
108-60-1	2,2'-oxybis(1-Chloropropane)		0.16	0.41	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.055	0.41	
101-55-3	4-Bromophenylphenylether		0.036	0.41	
85-68-7	Butylbenzylphthalate		0.046	0.41	
86-74-8	Carbazole		0.042	0.20	
106-47-8	4-Chloroaniline		0.066	0.79	
59-50-7	4-Chloro-3-methylphenol		0.043	0.79	
91-58-7	2-Chloronaphthalene		0.036	0.41	
95-57-8	2-Chlorophenol		0.036	0.41	
7005-72-3	4-Chlorophenylphenylether		0.038	0.41	
218-01-9	Chrysene	0.36	0.0052	0.040	
53-70-3	Dibenz(a,h)anthracene	0.079	0.018	0.040	

1 - FORM I
ANALYSIS DATA SHEET

E-4 (2-12in)

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-06	File ID:	B25S328035.D
Sampled:	11/17/25 09:55	Prepared:	11/20/25 15:25	Analyzed:	11/24/25 23:01
Solids:	82.86	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.06 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
132-64-9	Dibenzofuran		0.040	0.41	
84-74-2	Di-n-butylphthalate		0.16	0.41	
91-94-1	3,3-Dichlorobenzidine		0.073	0.20	
120-83-2	2,4-Dichlorophenol		0.038	0.41	
84-66-2	Diethylphthalate		0.040	0.41	
105-67-9	2,4-Dimethylphenol		0.084	0.41	
131-11-3	Dimethylphthalate		0.036	0.41	
534-52-1	4,6-Dinitro-2-methylphenol		0.34	0.41	
51-28-5	2,4-Dinitrophenol		0.38	0.79	V-04, V-06
121-14-2	2,4-Dinitrotoluene		0.097	0.41	
606-20-2	2,6-Dinitrotoluene		0.051	0.41	
117-84-0	Di-n-octylphthalate		0.060	0.41	
206-44-0	Fluoranthene	0.61	0.0057	0.040	
86-73-7	Fluorene		0.0048	0.040	
118-74-1	Hexachlorobenzene		0.041	0.41	
87-68-3	Hexachlorobutadiene		0.042	0.41	
77-47-4	Hexachlorocyclopentadiene		0.20	0.41	
67-72-1	Hexachloroethane		0.037	0.41	
193-39-5	Indeno(1,2,3-cd)pyrene	0.43	0.016	0.040	
78-59-1	Isophorone		0.044	0.41	
90-12-0	1-Methylnaphthalene		0.0051	0.040	
91-57-6	2-Methylnaphthalene		0.0046	0.040	
95-48-7	2-Methylphenol		0.051	0.41	
108-39-4/106-4	3/4-Methylphenol		0.067	0.41	
91-20-3	Naphthalene		0.0058	0.040	
88-74-4	2-Nitroaniline		0.063	0.41	
99-09-2	3-Nitroaniline		0.053	0.41	
100-01-6	4-Nitroaniline		0.058	0.41	
98-95-3	Nitrobenzene		0.046	0.41	

1 - FORM I
ANALYSIS DATA SHEET

E-4 (2-12in)

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-06	File ID:	B25S328035.D
Sampled:	11/17/25 09:55	Prepared:	11/20/25 15:25	Analyzed:	11/24/25 23:01
Solids:	82.86	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.06 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833
				Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
88-75-5	2-Nitrophenol		0.042	0.41	
100-02-7	4-Nitrophenol		0.16	0.79	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.053	0.41	
621-64-7	N-Nitrosodi-n-propylamine		0.051	0.41	
87-86-5	Pentachlorophenol		0.052	0.41	
85-01-8	Phenanthrene	0.082	0.0041	0.040	
108-95-2	Phenol		0.039	0.41	
129-00-0	Pyrene	0.53	0.0069	0.040	
110-86-1	Pyridine		0.052	0.41	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.039	0.41	
95-95-4	2,4,5-Trichlorophenol		0.041	0.41	
88-06-2	2,4,6-Trichlorophenol		0.036	0.41	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328035.D
Acq On : 24 Nov 2025 11:01 pm
Operator : BGL
Sample : 25K1213-06 Inst : GCMSSV2
Misc :
ALS Vial : 35 Sample Multiplier: 1

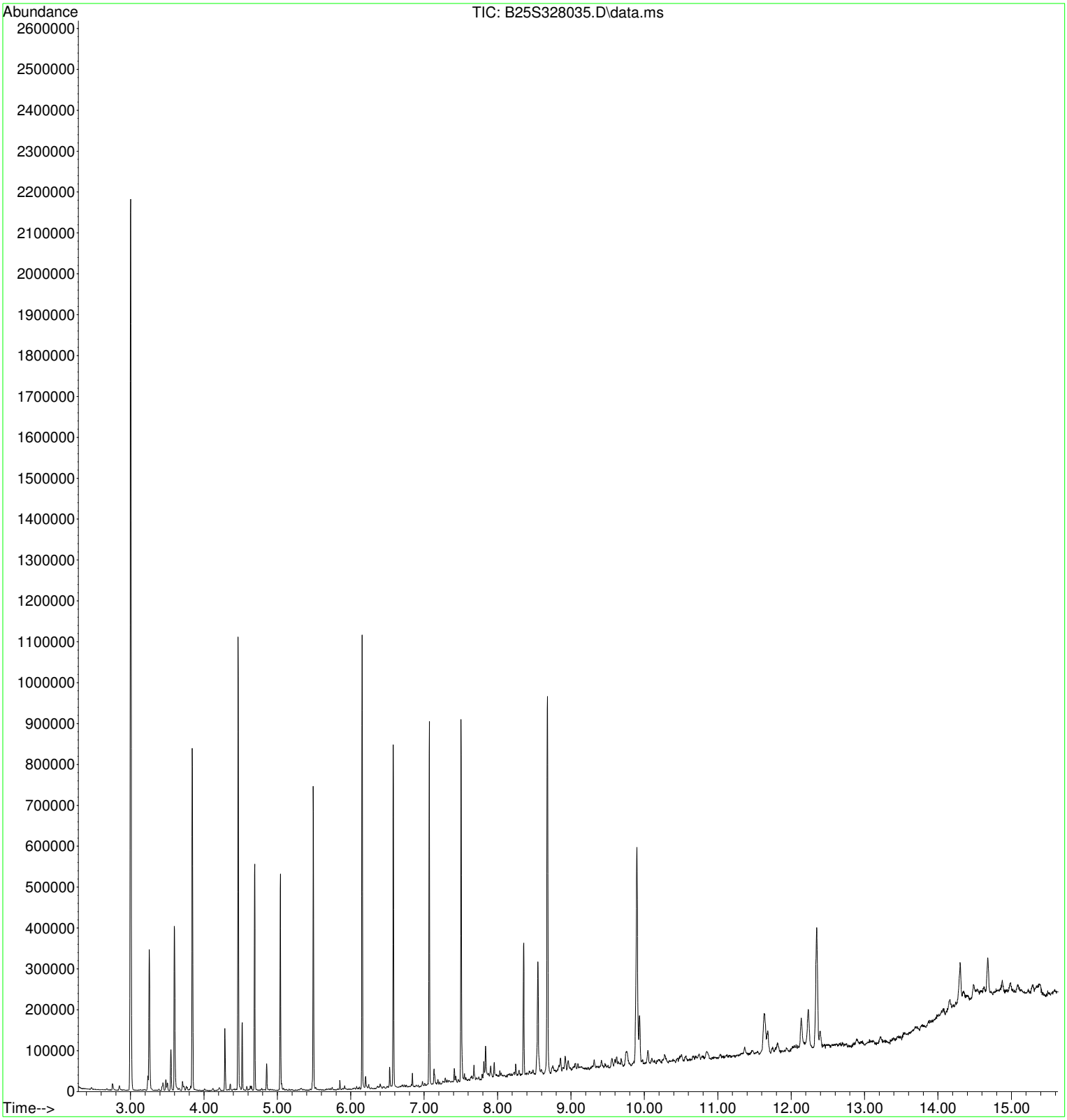
Quant Time: Nov 24 23:17:27 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

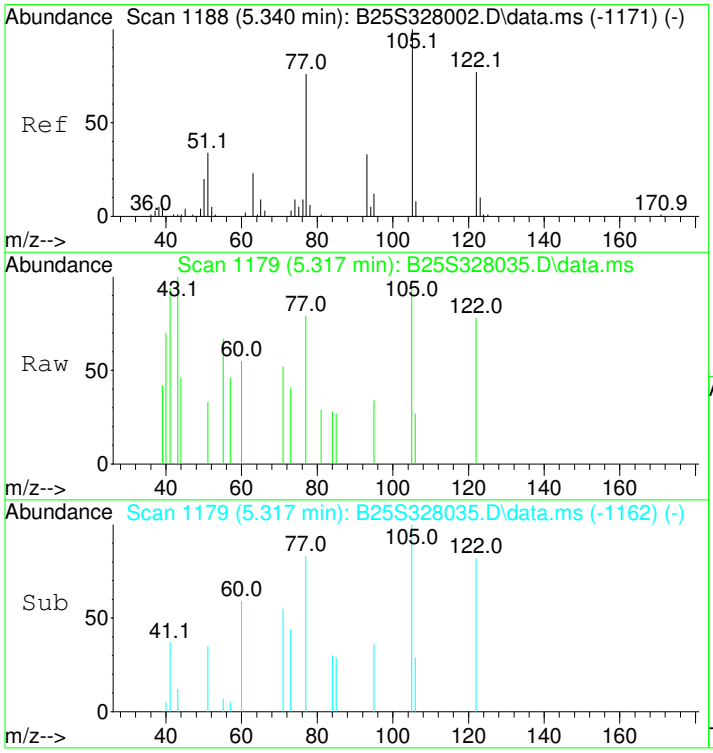
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.692	152	62062	40.00	ug/ml	-0.01
19) NAPHTHALENE-d8	5.489	136	232726	40.00	ug/ml	-0.01
35) ACENAPHTHENE-D10	6.579	164	123153	40.00	ug/ml	-0.01
58) PHENANTHRENE-D10	7.502	188	216629	40.00	ug/ml	-0.01
71) CHRYSENE-D12	9.899	240	199388	40.00	ug/ml	-0.02
80) PERYLENE-D12	12.347	264	177391	40.00	ug/ml	-0.01
88) 1,4-Dichlorobenzene-D4...	4.692	152	62062	40.00	ug/ml	-0.01
92) NAPHTHALENE-d8 (2)	5.489	136	232726	40.00	ug/ml	-0.01
95) ACENAPHTHENE-D10 (2)	6.579	164	123153	40.00	ug/ml	-0.01
System Monitoring Compounds						
2) 2-Fluorophenol	3.840	112	177533	102.39	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 51.20%			
3) Phenol-d6	4.465	99	287894	100.70	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 50.35%			
20) Nitrobenzene-d5	5.041	82	120085	51.85	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 51.85%			
36) 2-Fluorobiphenyl	6.155	172	230522	56.70	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 56.70%			
37) 2,4,6-Tribromophenol	7.070	330	67365	123.17	ug/ml	-0.01
Spiked Amount 200.000	Range 30 - 130		Recovery = 61.59%			
72) p-Terphenyl-d14	8.680	244	258414	62.58	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 62.58%			
Target Compounds						Qvalue
26) Benzoic Acid	5.317	122	332	0.29	ug/ml#	60
47) Acenaphthylene	6.494	152	1461	0.25	ug/ml	94
66) Phenanthrene	7.518	178	13755	2.03	ug/ml	96
67) Anthracene	7.549	178	5134	0.76	ug/ml	88
68) Carbazole	7.649	167	1865	0.30	ug/ml	82
70) Flouranthene	8.356	202	101107	15.12	ug/ml	98
74) Pyrene	8.549	202	97183	13.29	ug/ml	95
77) Benzo(a)anthracene	9.886	228	57405	8.53	ug/ml	97
78) Chrysene	9.933	228	59039	8.88	ug/ml	99
82) Benzo(b)fluoranthene	11.637	252	84432	15.52	ug/ml	98
83) Benzo(k)fluoranthene	11.681	252	28940m	5.36	ug/ml	
84) Benzo(a)pyrene	12.234	252	57521m	11.40	ug/ml	
85) Indeno(1,2,3-cd)pyrene	14.302	276	48566	10.82	ug/ml	95
86) Dibenz(a,h)anthracene	14.350	278	9244m	1.96	ug/ml	
87) Benzo(g,h,i)perylene	14.680	276	54444	10.93	ug/ml	96

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

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328035.D
Acq On : 24 Nov 2025 11:01 pm
Operator : BGL
Sample : 25K1213-06 Inst : GCMSSV2
Misc :
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Nov 24 23:17:27 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

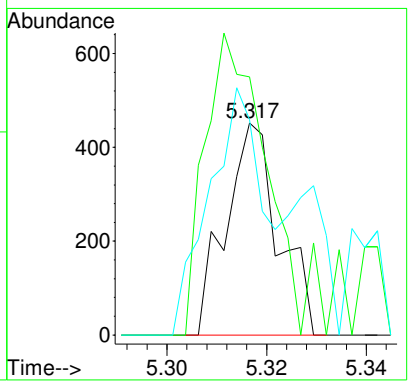


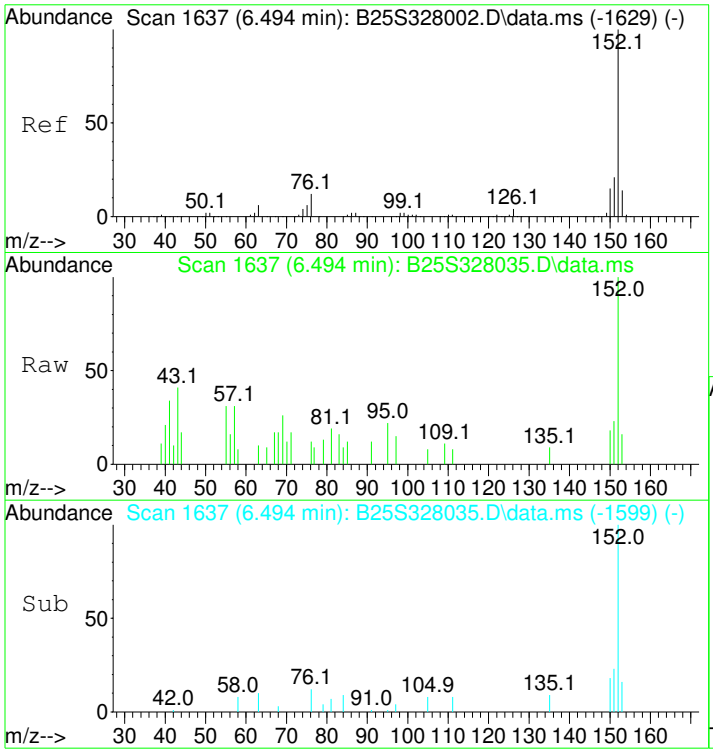


#26
Benzoic Acid
Concen: 0.29 ug/ml
RT: 5.317 min Scan# 1179
Delta R.T. -0.023 min
Lab File: B25S328035.D
Acq: 24 Nov 2025 11:01 pm

Tgt Ion:122 Resp: 332

Ion	Ratio	Lower	Upper
122	100		
105	160.8	95.4	135.4#
77	117.5	64.2	104.2#

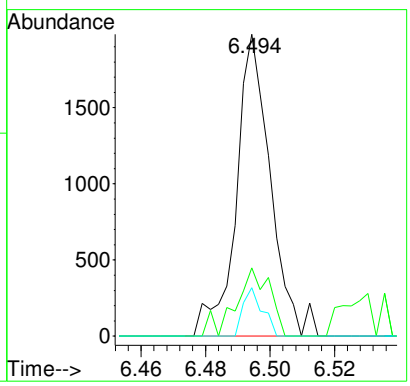


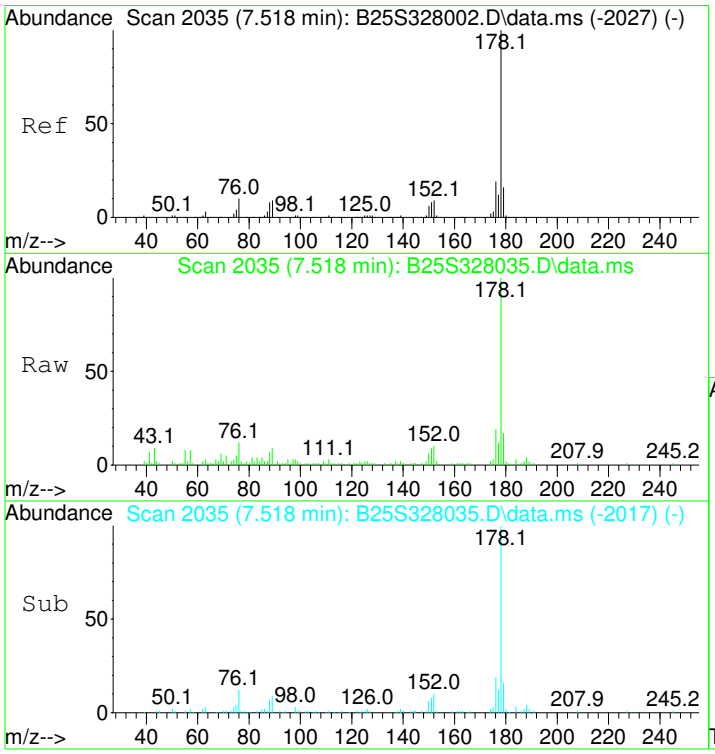


#47
Acenaphthylene
Concen: 0.25 ug/ml
RT: 6.494 min Scan# 1637
Delta R.T. -0.010 min
Lab File: B25S328035.D
Acq: 24 Nov 2025 11:01 pm

Tgt Ion:152 Resp: 1461

Ion	Ratio	Lower	Upper
152	100		
151	22.6	1.0	41.0
153	9.0	0.0	33.1

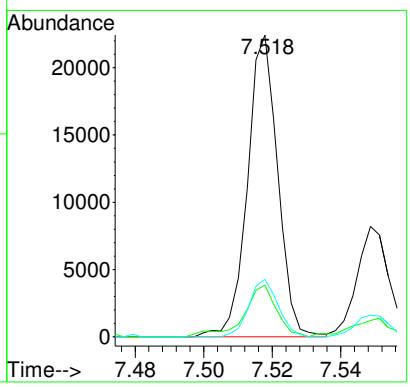


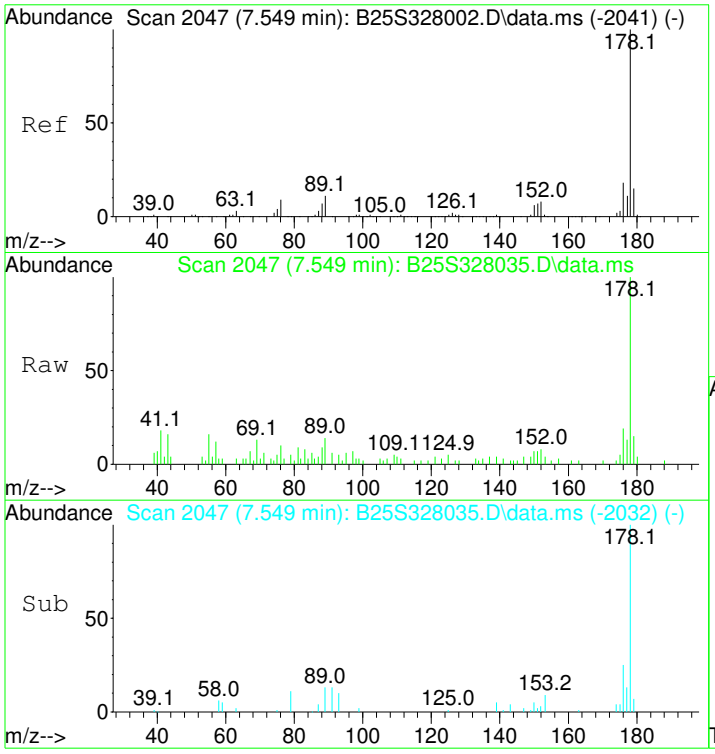


#66
Phenanthrene
Concen: 2.03 ug/ml
RT: 7.518 min Scan# 2035
Delta R.T. -0.010 min
Lab File: B25S328035.D
Acq: 24 Nov 2025 11:01 pm

Tgt Ion:178 Resp: 13755

Ion	Ratio	Lower	Upper
178	100		
179	18.6	0.0	35.5
176	18.4	0.0	39.0

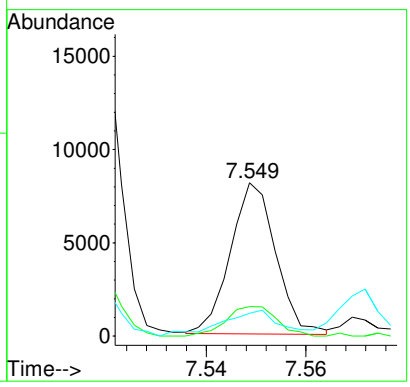


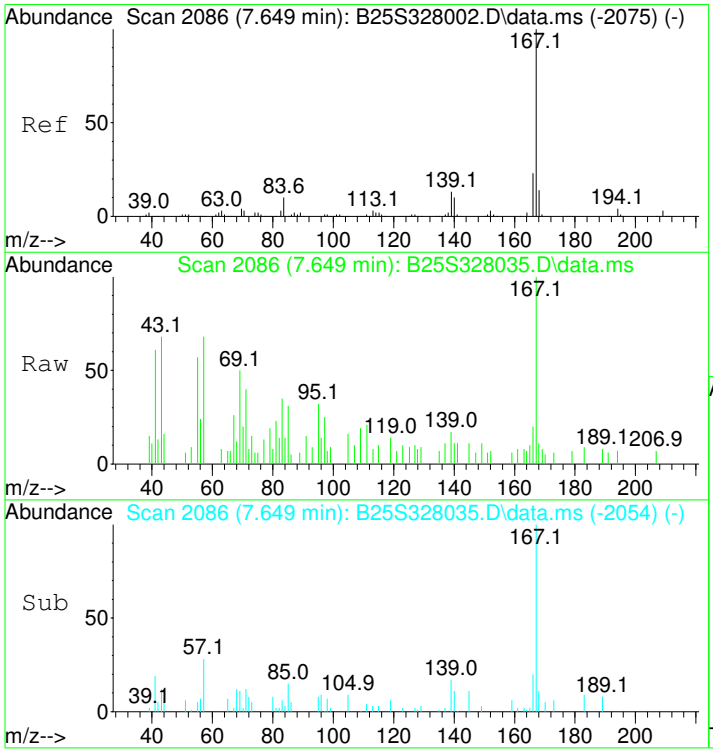


#67
Anthracene
Concen: 0.76 ug/ml
RT: 7.549 min Scan# 2047
Delta R.T. -0.013 min
Lab File: B25S328035.D
Acq: 24 Nov 2025 11:01 pm

Tgt Ion:178 Resp: 5134

Ion	Ratio	Lower	Upper
178	100		
176	21.9	0.0	38.3
179	22.5	0.0	35.5

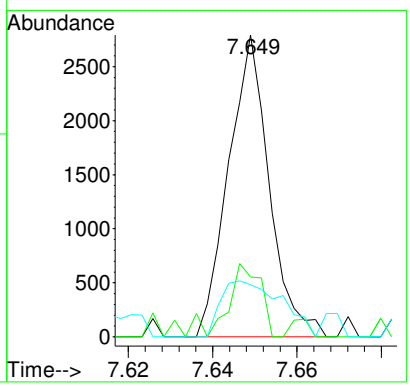


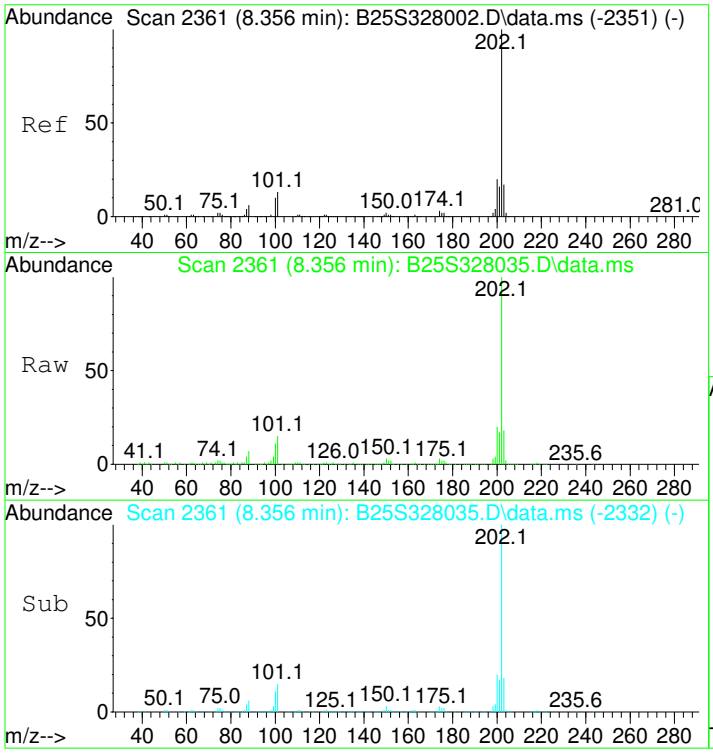


#68
Carbazole
Concen: 0.30 ug/ml
RT: 7.649 min Scan# 2086
Delta R.T. -0.008 min
Lab File: B25S328035.D
Acq: 24 Nov 2025 11:01 pm

Tgt Ion:167 Resp: 1865

Ion	Ratio	Lower	Upper
167	100		
166	18.0	1.9	41.9
139	27.7	0.0	33.5

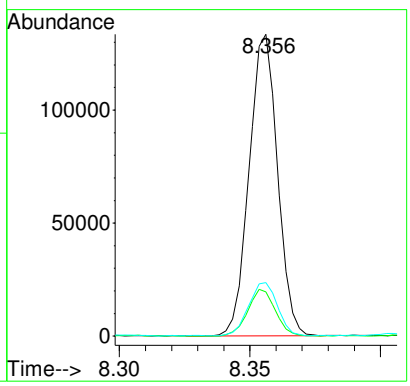


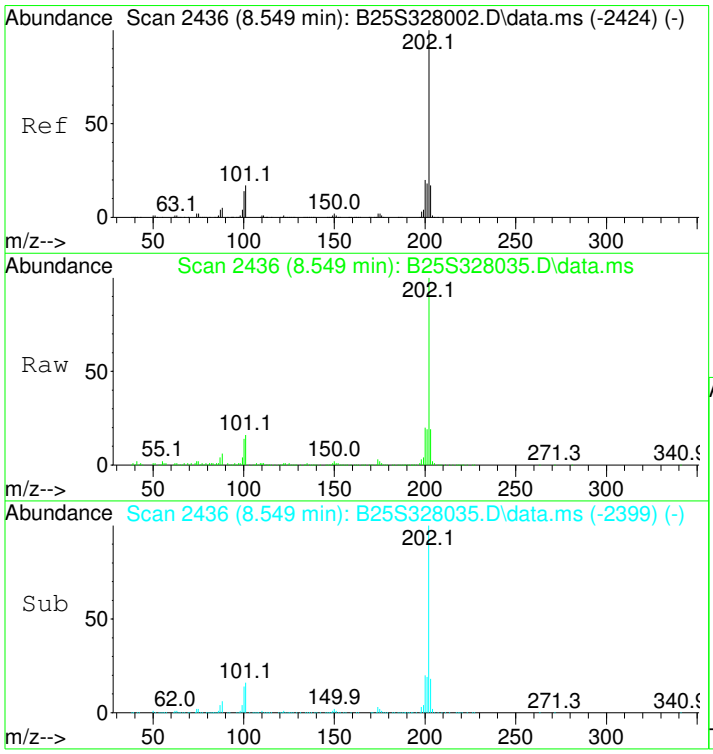


#70
Flouranthene
Concen: 15.12 ug/ml
RT: 8.356 min Scan# 2361
Delta R.T. -0.010 min
Lab File: B25S328035.D
Acq: 24 Nov 2025 11:01 pm

Tgt Ion:202 Resp: 101107

Ion	Ratio	Lower	Upper
202	100		
101	15.1	0.0	36.2
203	17.8	0.0	37.5

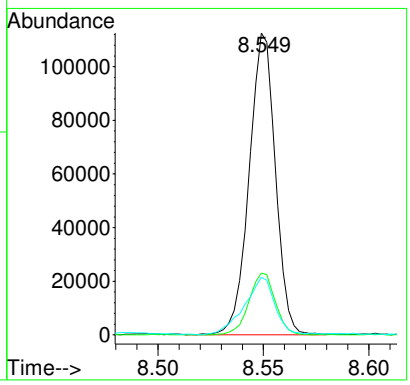


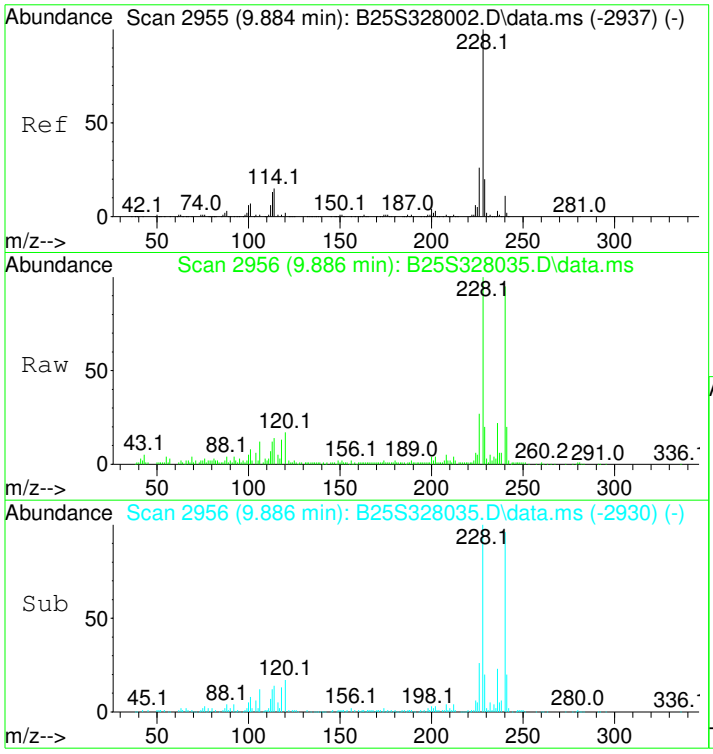


#74
Pyrene
Concen: 13.29 ug/ml
RT: 8.549 min Scan# 2436
Delta R.T. -0.013 min
Lab File: B25S328035.D
Acq: 24 Nov 2025 11:01 pm

Tgt Ion:202 Resp: 97183

Ion	Ratio	Lower	Upper
202	100		
200	20.5	0.1	40.1
203	22.4	0.0	38.1

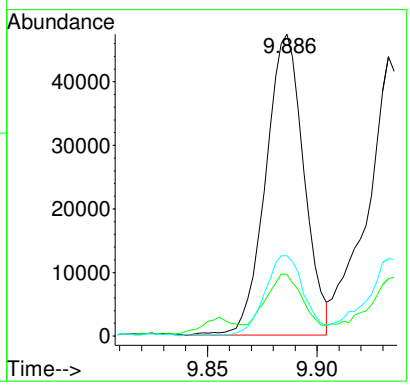


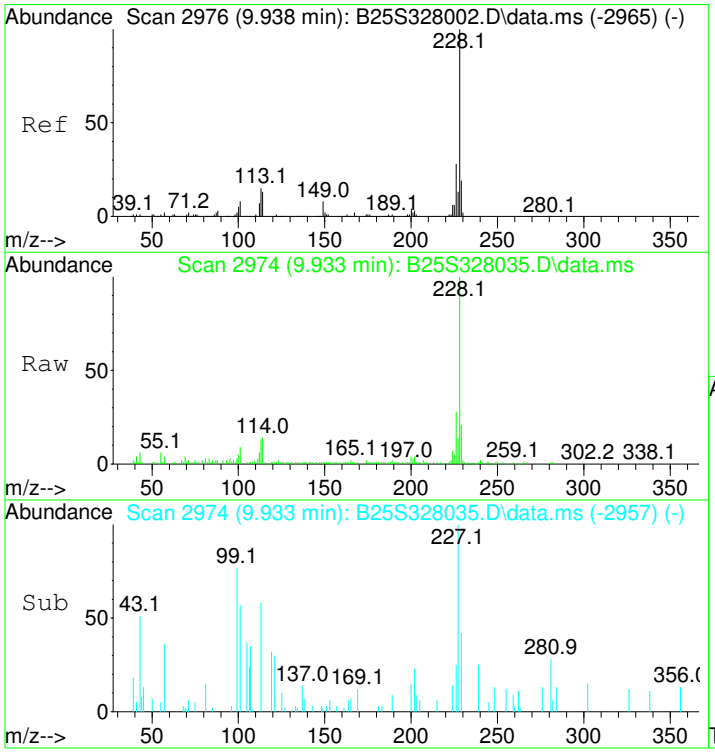


#77
Benzo(a)anthracene
Concen: 8.53 ug/ml
RT: 9.886 min Scan# 2956
Delta R.T. -0.015 min
Lab File: B25S328035.D
Acq: 24 Nov 2025 11:01 pm

Tgt Ion:228 Resp: 57405

Ion	Ratio	Lower	Upper
228	100		
229	19.5	0.0	38.9
226	27.0	4.9	44.9

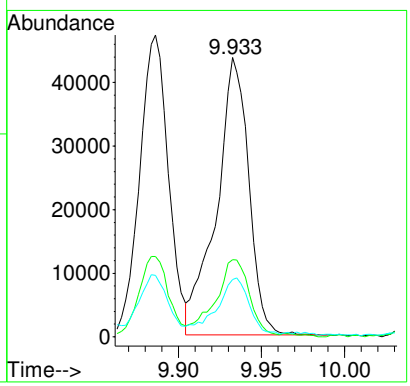


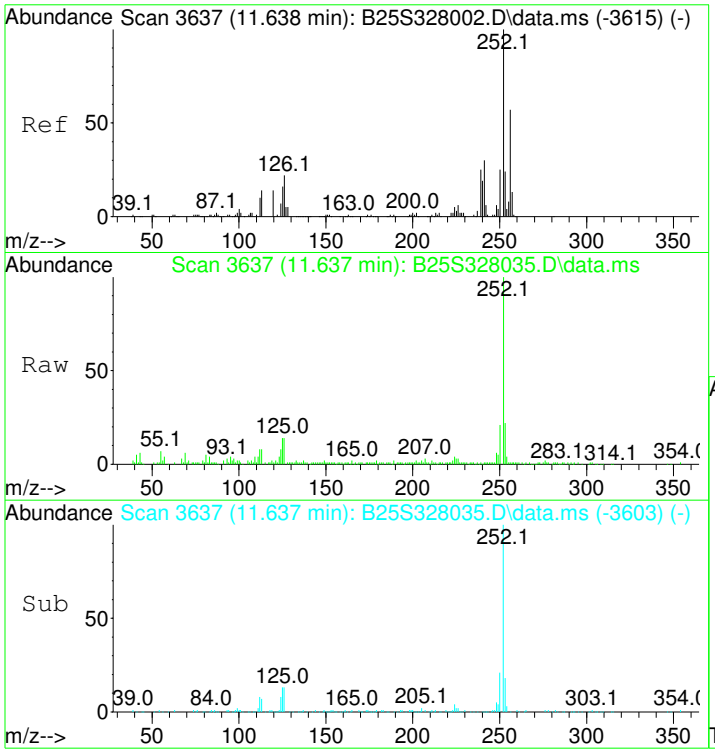


#78
Chrysene
Concen: 8.88 ug/ml
RT: 9.933 min Scan# 2974
Delta R.T. -0.021 min
Lab File: B25S328035.D
Acq: 24 Nov 2025 11:01 pm

Tgt Ion:228 Resp: 59039

Ion	Ratio	Lower	Upper
228	100		
226	28.0	8.1	48.1
229	19.8	0.0	38.9

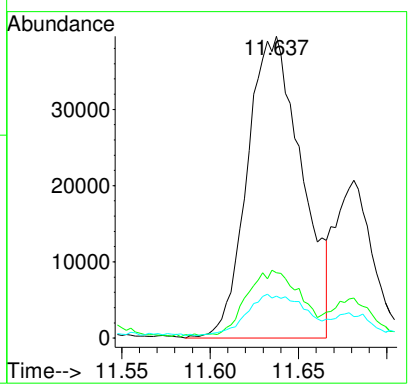


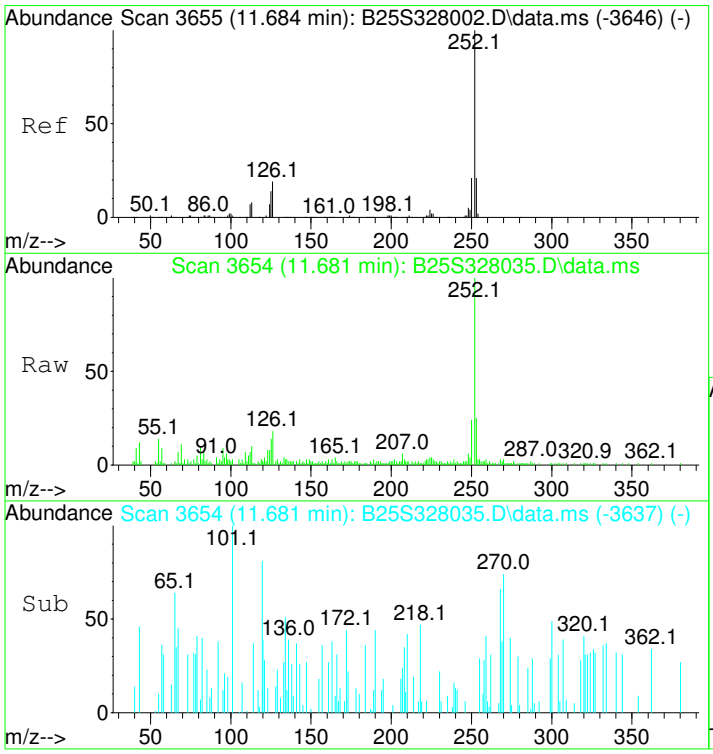


#82
Benzo(b)fluoranthene
Concen: 15.52 ug/ml
RT: 11.637 min Scan# 3637
Delta R.T. -0.015 min
Lab File: B25S328035.D
Acq: 24 Nov 2025 11:01 pm

Tgt Ion:252 Resp: 84432

Ion	Ratio	Lower	Upper
252	100		
253	21.0	2.2	42.2
125	14.3	0.0	34.5

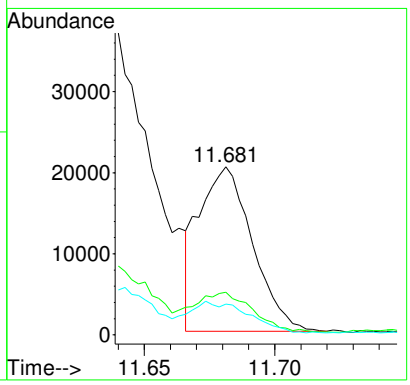


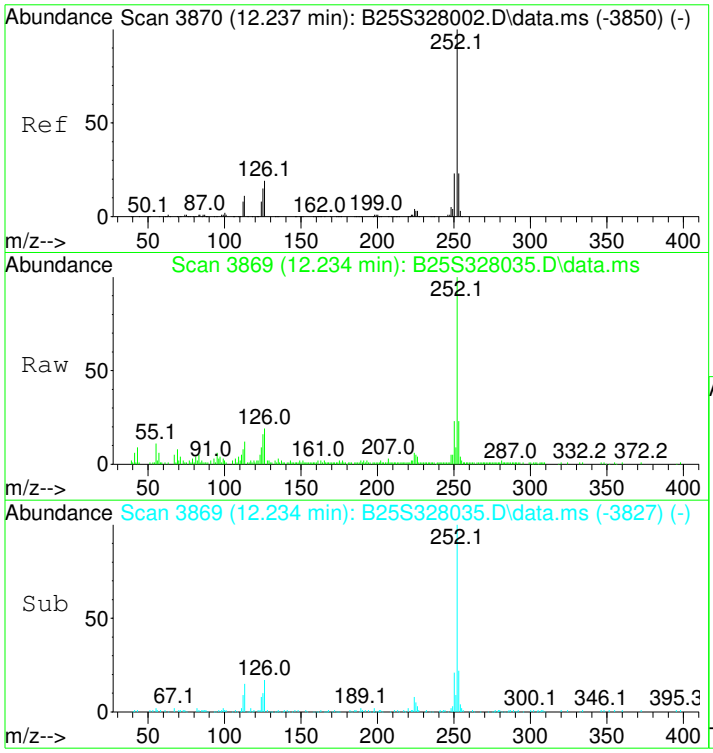


#83
Benzo(k)fluoranthene
Concen: 5.36 ug/ml m
RT: 11.681 min Scan# 3654
Delta R.T. -0.023 min
Lab File: B25S328035.D
Acq: 24 Nov 2025 11:01 pm

Tgt Ion:252 Resp: 28940

Ion	Ratio	Lower	Upper
252	100		
253	28.0	0.7	40.7
126	21.4	0.0	39.4

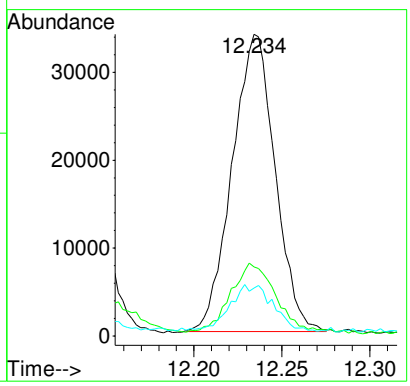


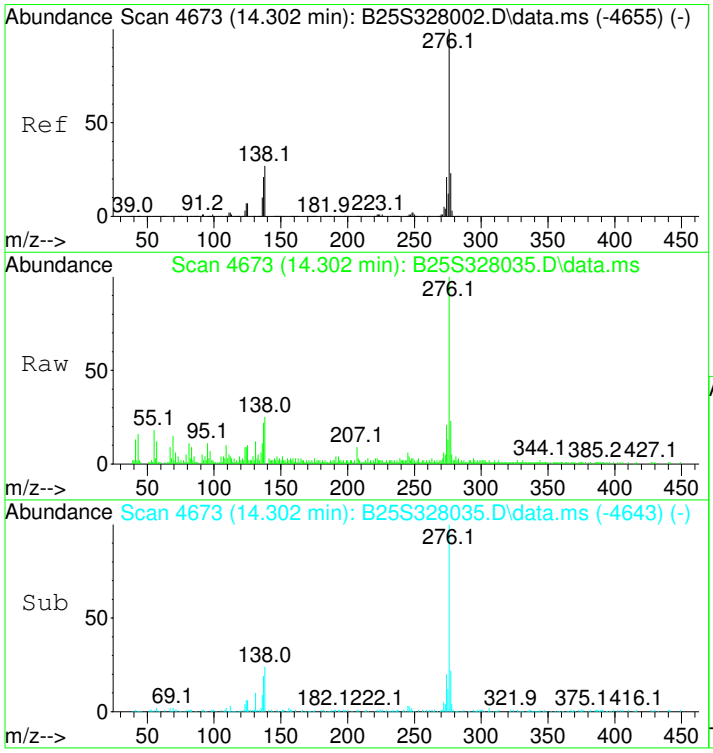


#84
Benzo(a)pyrene
Concen: 11.40 ug/ml m
RT: 12.234 min Scan# 3869
Delta R.T. -0.018 min
Lab File: B25S328035.D
Acq: 24 Nov 2025 11:01 pm

Tgt Ion:252 Resp: 57521

Ion	Ratio	Lower	Upper
252	100		
253	28.3	0.4	40.4
125	17.1	0.0	34.0

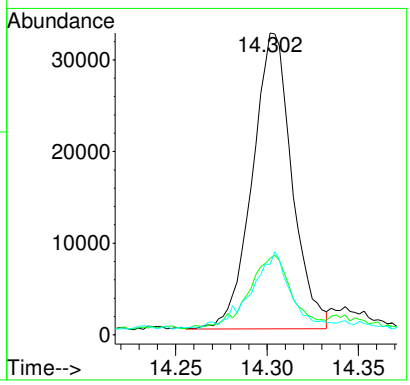


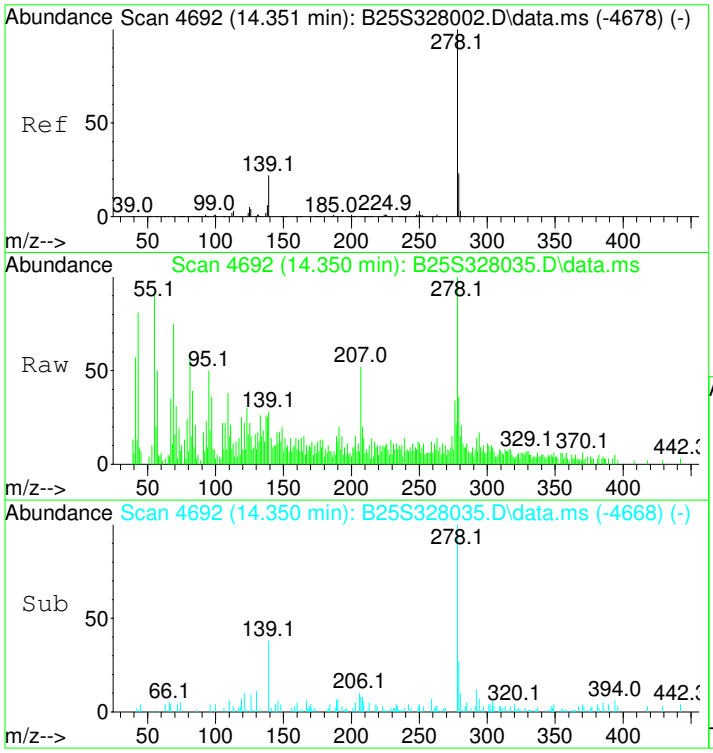


#85
Indeno(1,2,3-cd)pyrene
Concen: 10.82 ug/ml
RT: 14.302 min Scan# 4673
Delta R.T. -0.013 min
Lab File: B25S328035.D
Acq: 24 Nov 2025 11:01 pm

Tgt Ion:276 Resp: 48566

Ion	Ratio	Lower	Upper
276	100		
138	27.3	5.0	45.0
277	26.3	4.1	44.1

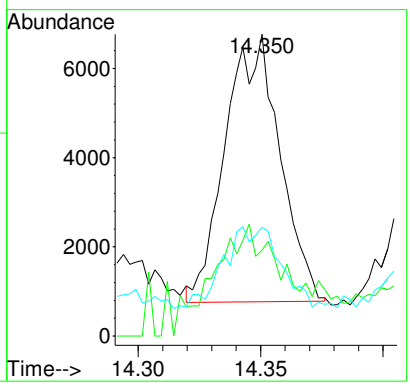


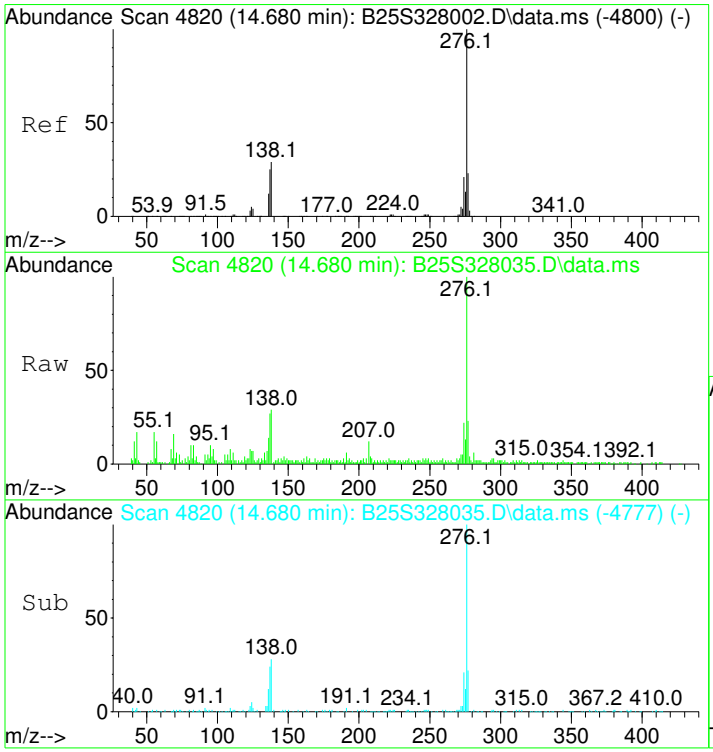


#86
Dibenz(a,h)anthracene
Concen: 1.96 ug/ml m
RT: 14.350 min Scan# 4692
Delta R.T. -0.010 min
Lab File: B25S328035.D
Acq: 24 Nov 2025 11:01 pm

Tgt Ion:278 Resp: 9244

Ion	Ratio	Lower	Upper
278	100		
139	2.2	1.1	41.1
279	14.5	3.5	43.5

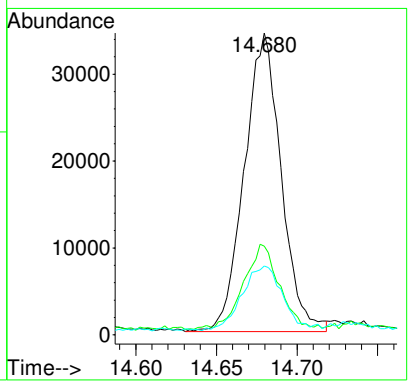




#87
Benzo(q,h,i)perylene
Concen: 10.93 ug/ml
RT: 14.680 min Scan# 4820
Delta R.T. -0.008 min
Lab File: B25S328035.D
Acq: 24 Nov 2025 11:01 pm

Tgt Ion:276 Resp: 54444

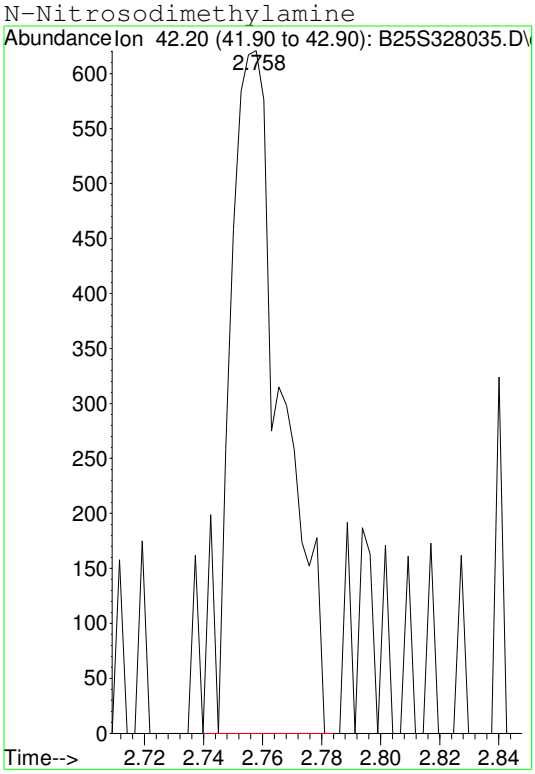
Ion	Ratio	Lower	Upper
276	100		
138	28.1	5.6	45.6
277	24.2	3.2	43.2



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328035.D
Acq On : 24 Nov 2025 11:01 pm
Operator : BGL
Sample : 25K1213-06
Misc :

Quant Time : Tue Nov 25 10:51:51 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
N-Nitrosodimethylamine



Original Int. Results

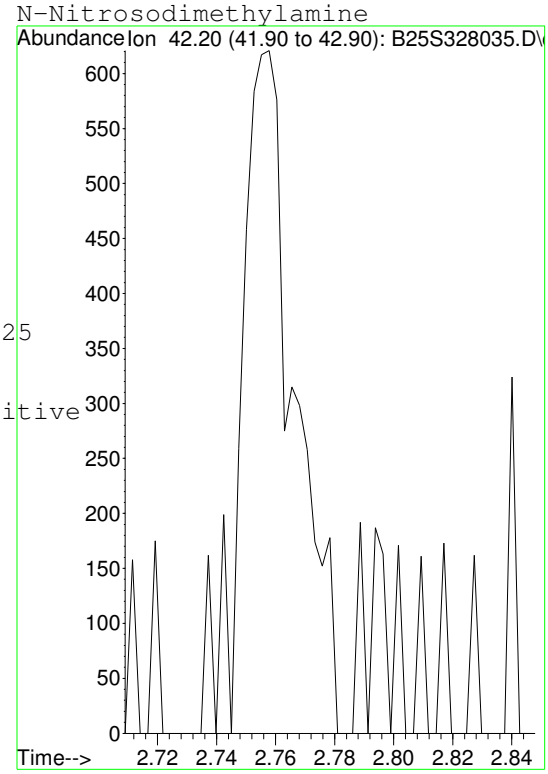
RT : 2.76
Area : 766
Amount: 0.693124

Manual Int. Results

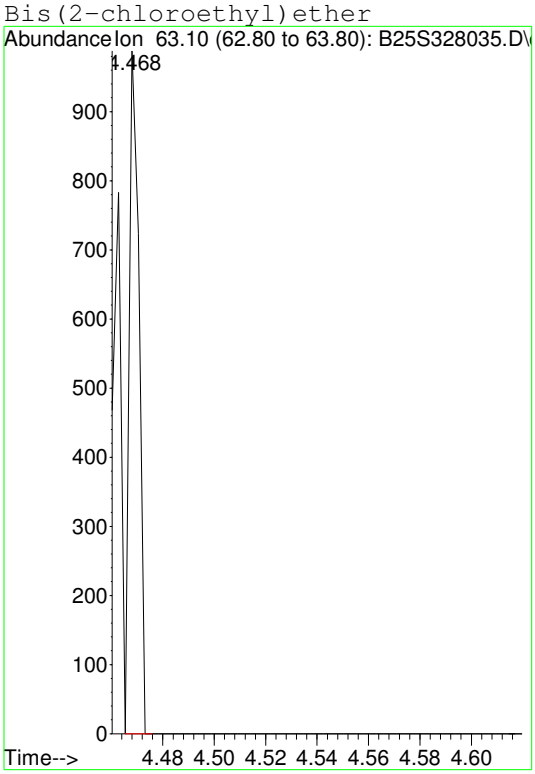
Tue Nov 25 10:50:17 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
N-Nitrosodimethylamine



Original Integration
Bis(2-chloroethyl)ether



Original Int. Results

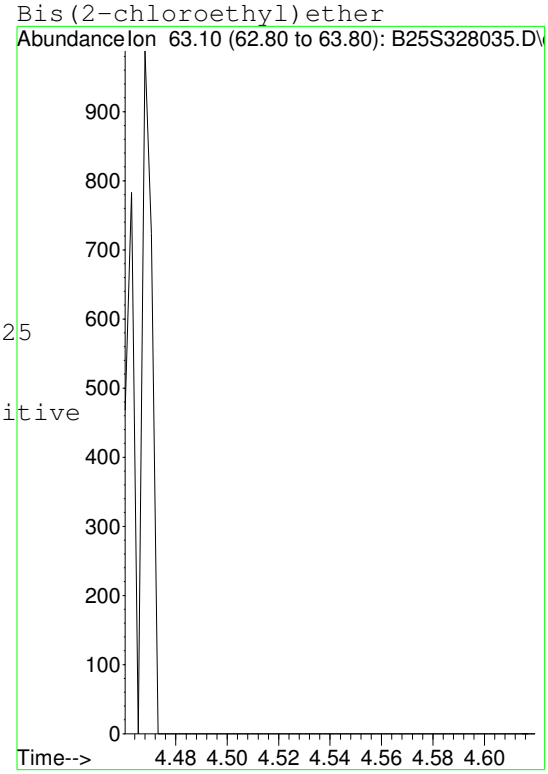
RT : 4.47
Area : 264
Amount: 0.165775

Manual Int. Results

Tue Nov 25 10:50:20 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

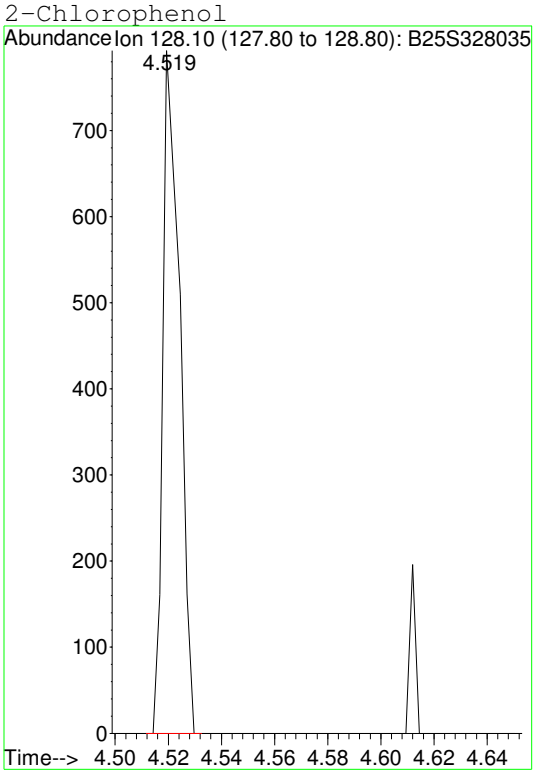
Manual Integration
Bis(2-chloroethyl)ether



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328035.D
Acq On : 24 Nov 2025 11:01 pm
Operator : BGL
Sample : 25K1213-06
Misc :

Quant Time : Tue Nov 25 10:51:51 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
2-Chlorophenol



Original Int. Results

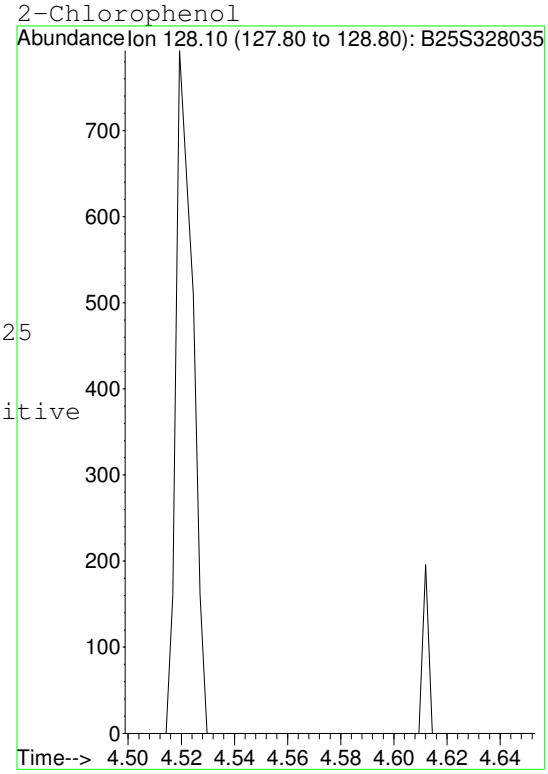
RT : 4.52
Area : 351
Amount: 0.143676

Manual Int. Results

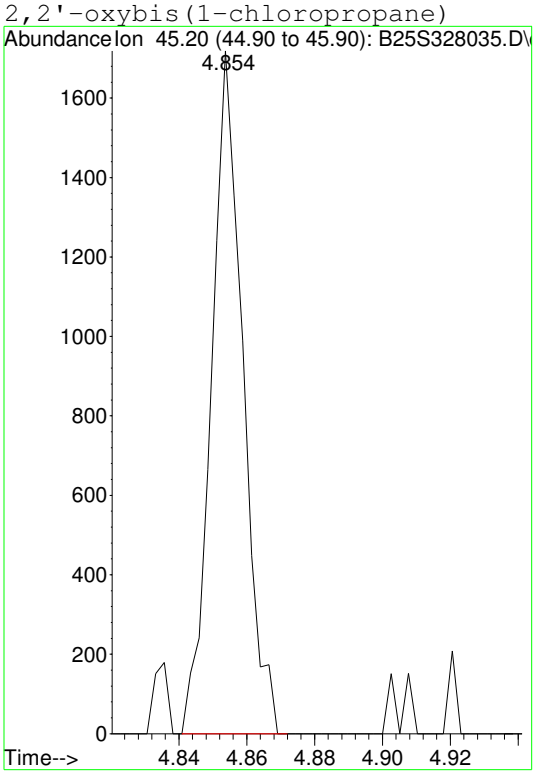
Tue Nov 25 10:50:35 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2-Chlorophenol



Original Integration
2,2'-oxybis(1-chloropropane)



Original Int. Results

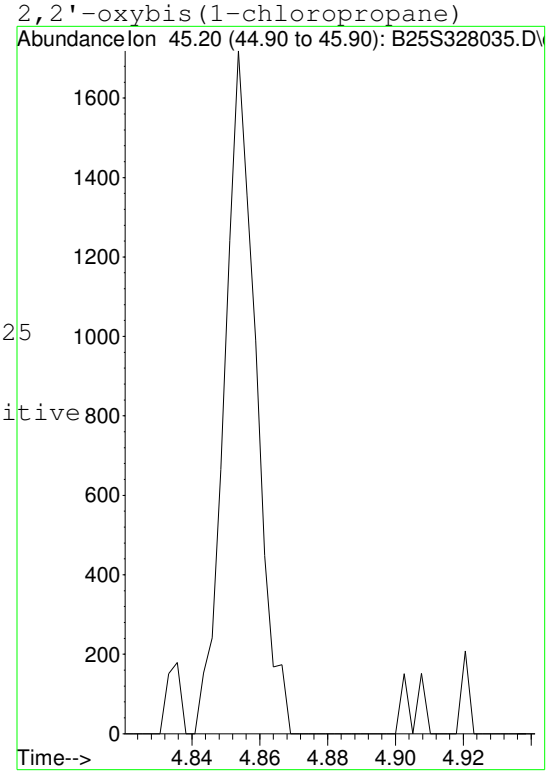
RT : 4.85
Area : 1103
Amount: 0.42723

Manual Int. Results

Tue Nov 25 10:50:35 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

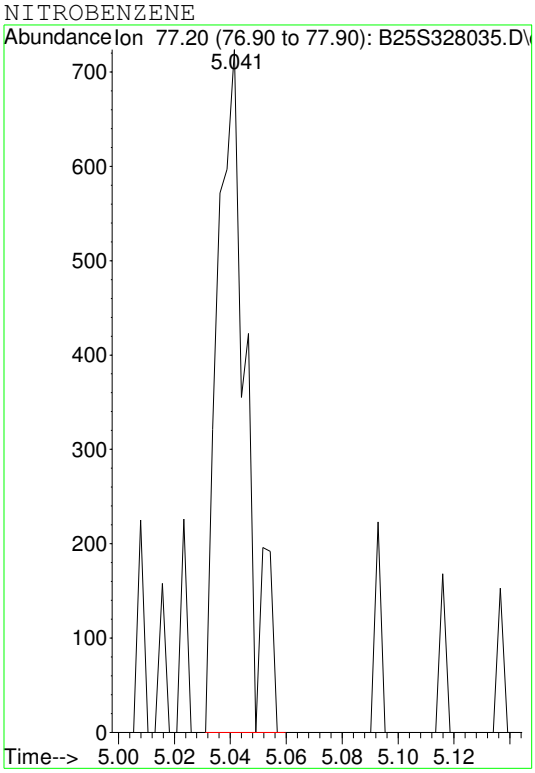
Manual Integration
2,2'-oxybis(1-chloropropane)



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328035.D
Acq On : 24 Nov 2025 11:01 pm
Operator : BGL
Sample : 25K1213-06
Misc :

Quant Time : Tue Nov 25 10:51:51 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
NITROBENZENE



Original Int. Results

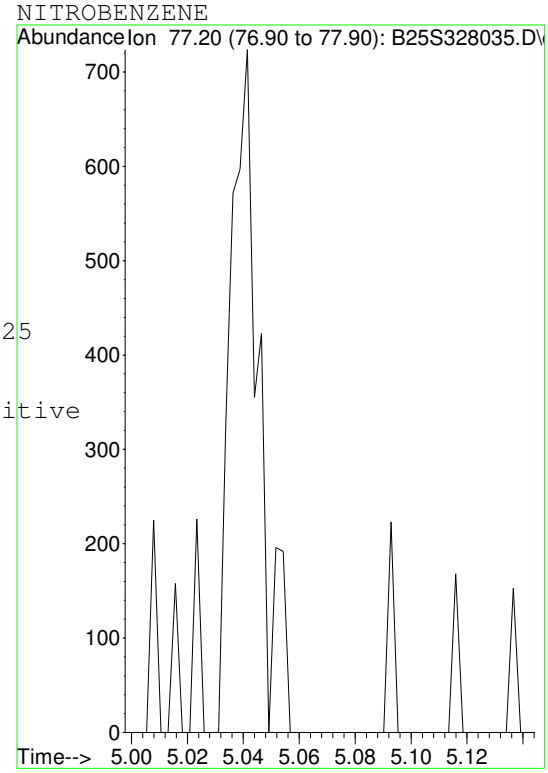
RT : 5.04
Area : 521
Amount: 0.223284

Manual Int. Results

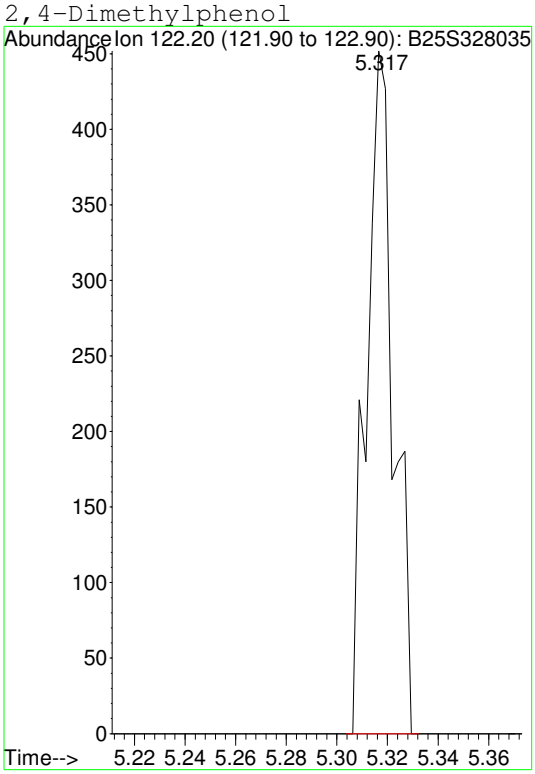
Tue Nov 25 10:50:35 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
NITROBENZENE



Original Integration
2,4-Dimethylphenol



Original Int. Results

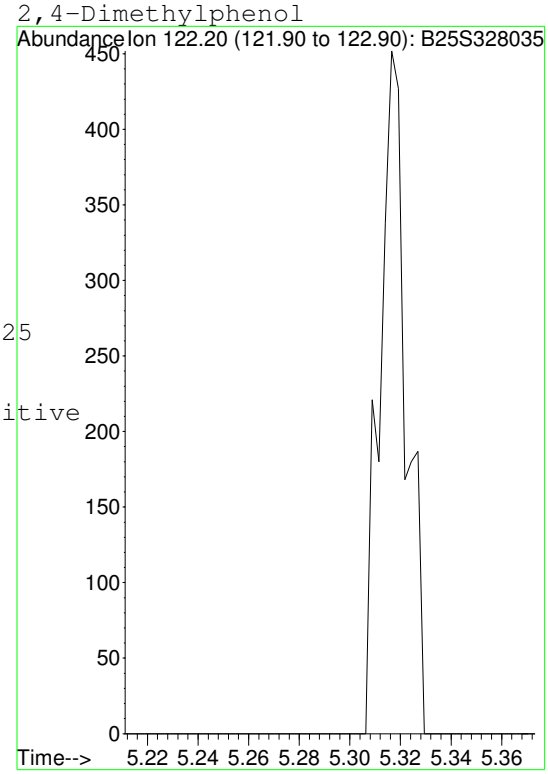
RT : 5.32
Area : 332
Amount: 0.178623

Manual Int. Results

Tue Nov 25 10:50:35 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

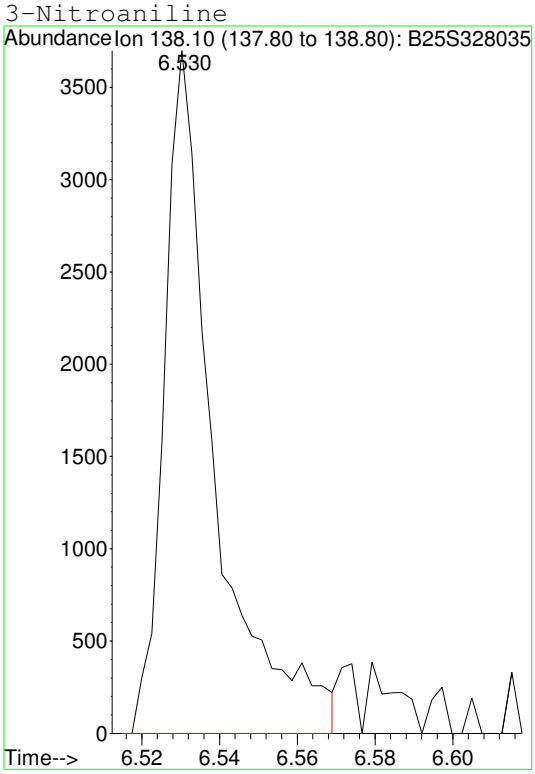
Manual Integration
2,4-Dimethylphenol



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328035.D
Acq On : 24 Nov 2025 11:01 pm
Operator : BGL
Sample : 25K1213-06
Misc :

Quant Time : Tue Nov 25 10:51:51 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
3-Nitroaniline



Original Int. Results

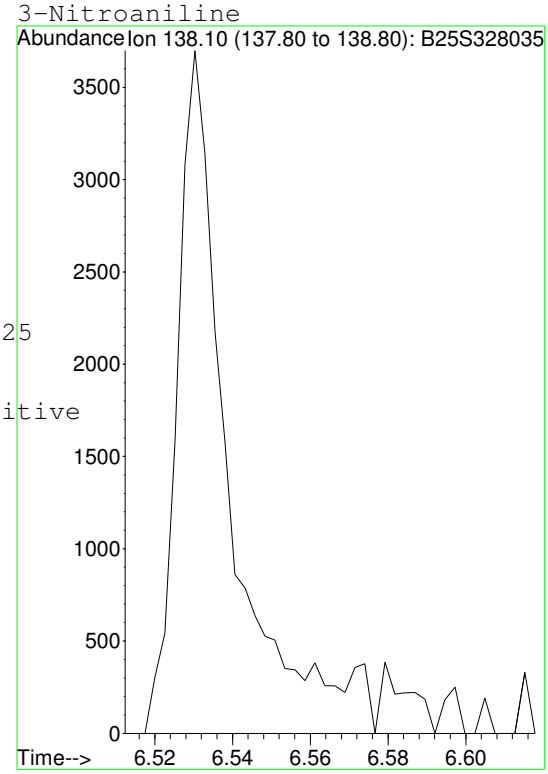
RT : 6.53
Area : 3323
Amount: 3.01699

Manual Int. Results

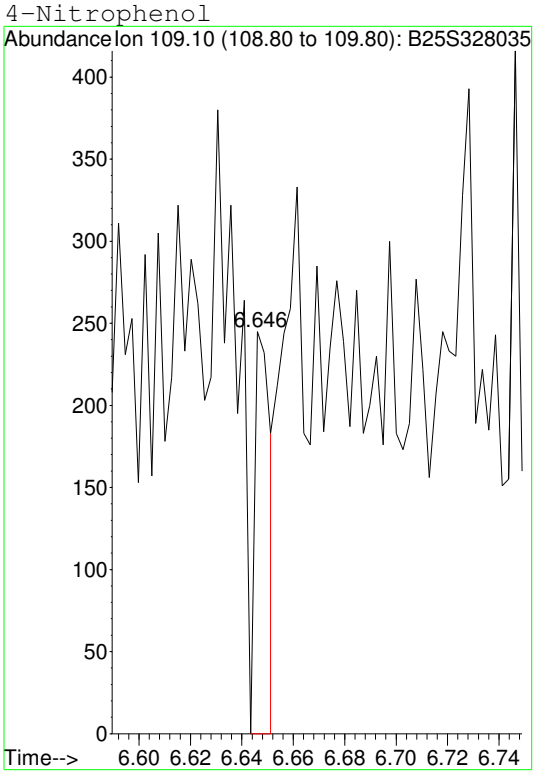
Tue Nov 25 10:50:34 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
3-Nitroaniline



Original Integration
4-Nitrophenol



Original Int. Results

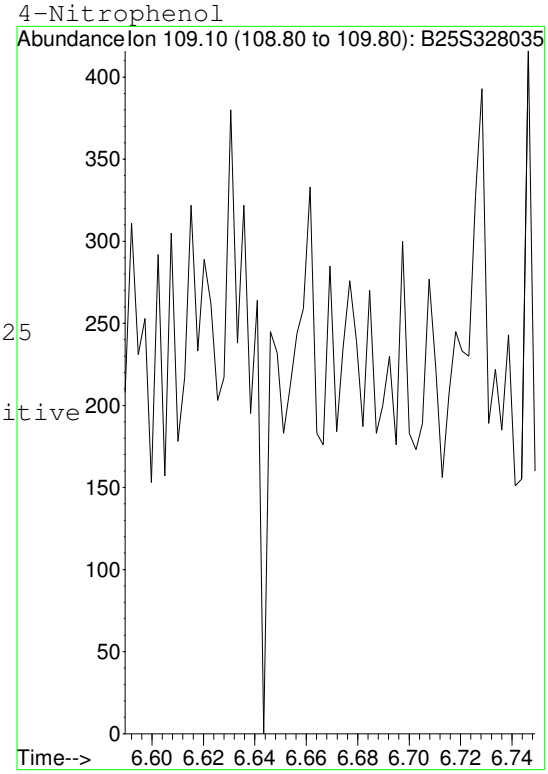
RT : 6.65
Area : 102
Amount: 0.214082

Manual Int. Results

Tue Nov 25 10:50:43 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

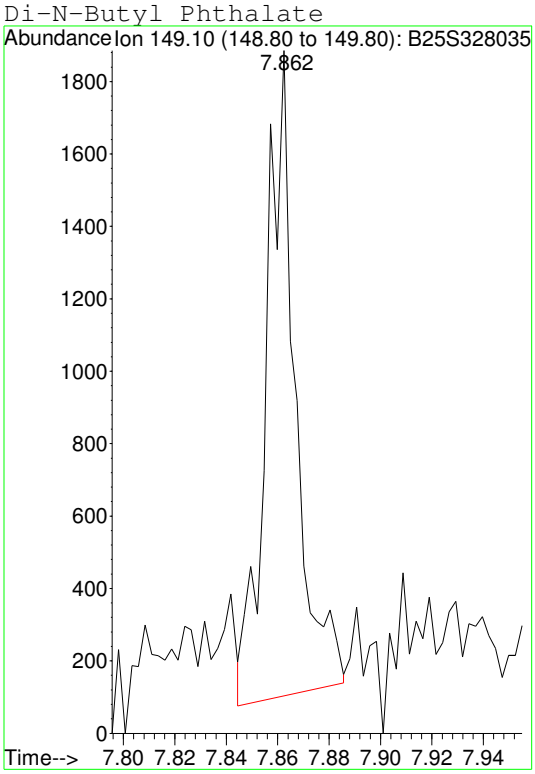
Manual Integration
4-Nitrophenol



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328035.D
Acq On : 24 Nov 2025 11:01 pm
Operator : BGL
Sample : 25K1213-06
Misc :

Quant Time : Tue Nov 25 10:51:51 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Di-N-Butyl Phthalate



Original Int. Results

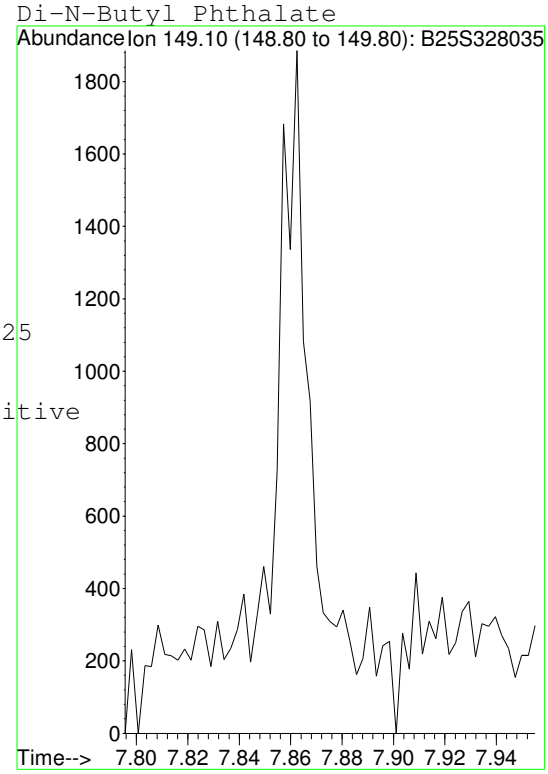
RT : 7.86
Area : 1417
Amount: 0.230681

Manual Int. Results

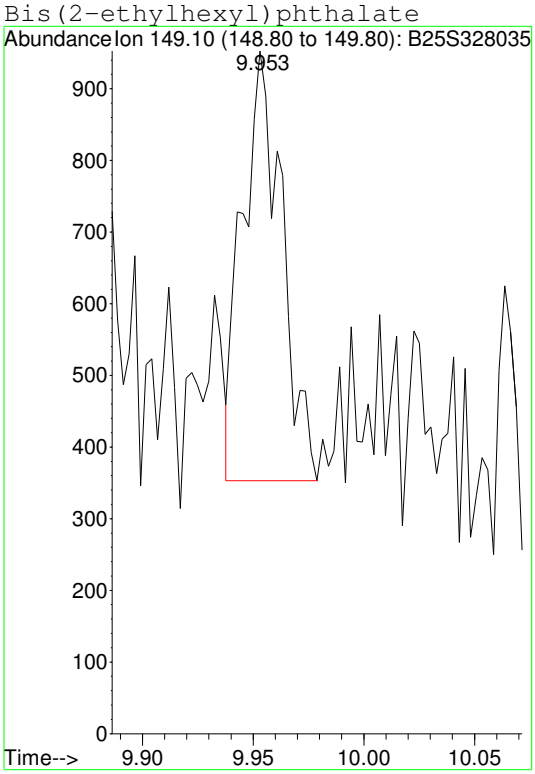
Tue Nov 25 10:50:53 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Di-N-Butyl Phthalate



Original Integration
Bis(2-ethylhexyl)phthalate



Original Int. Results

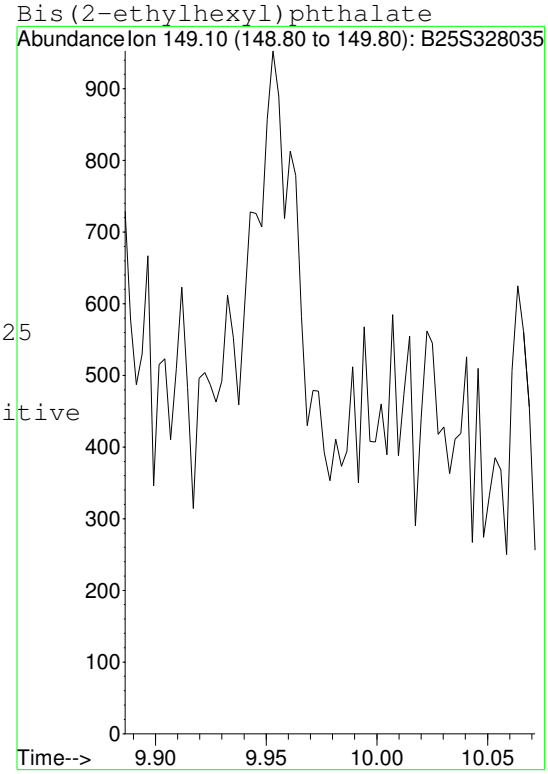
RT : 9.95
Area : 746
Amount: 0.243864

Manual Int. Results

Tue Nov 25 10:51:03 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

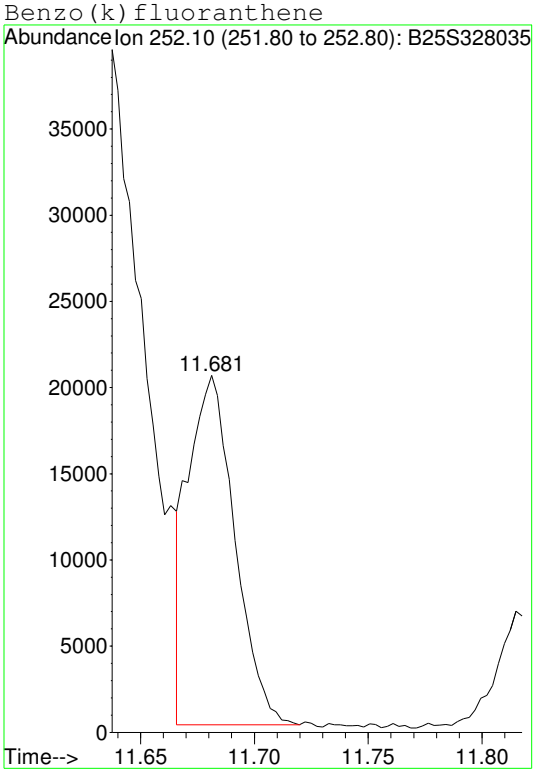
Manual Integration
Bis(2-ethylhexyl)phthalate



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328035.D
Acq On : 24 Nov 2025 11:01 pm
Operator : BGL
Sample : 25K1213-06
Misc :

Quant Time : Tue Nov 25 10:51:51 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Benzo(k)fluoranthene



Original Int. Results

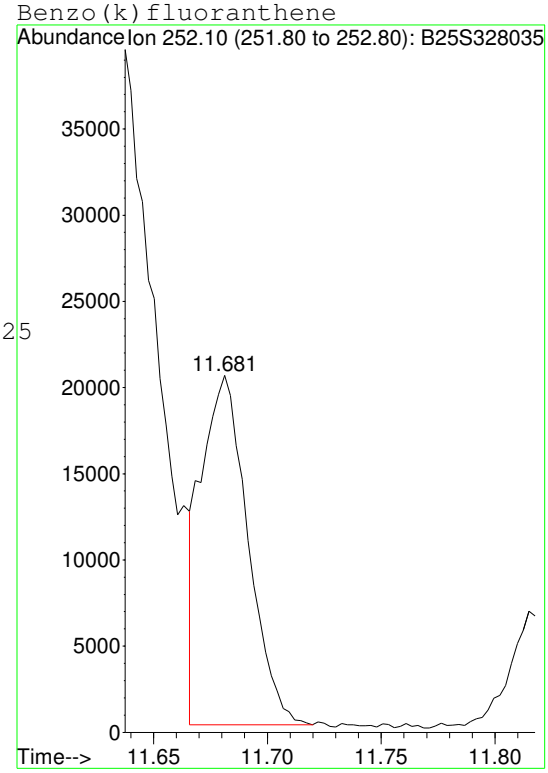
RT : 11.68
Area : 28940
Amount: 5.35777

Manual Int. Results

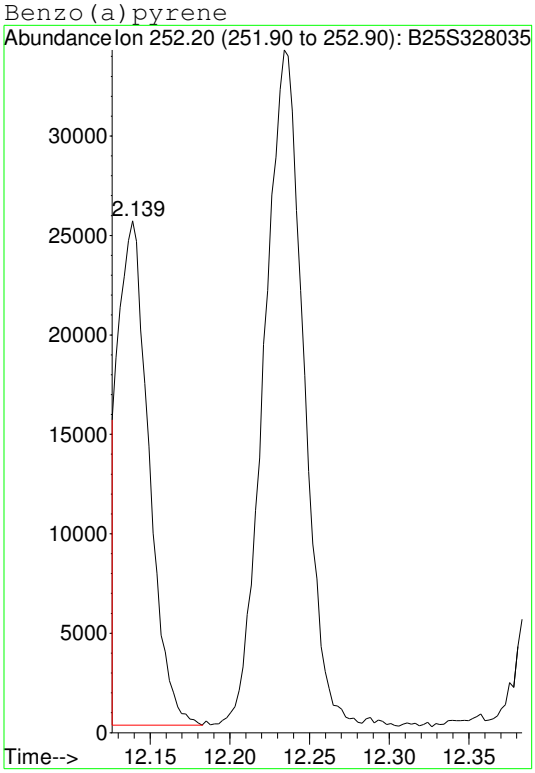
Tue Nov 25 10:51:51 2025

MIuser: BGL
Reason: Other
RT : 11.68
Area : 28940
Amount: 5.35777

Manual Integration
Benzo(k)fluoranthene



Original Integration
Benzo(a)pyrene



Original Int. Results

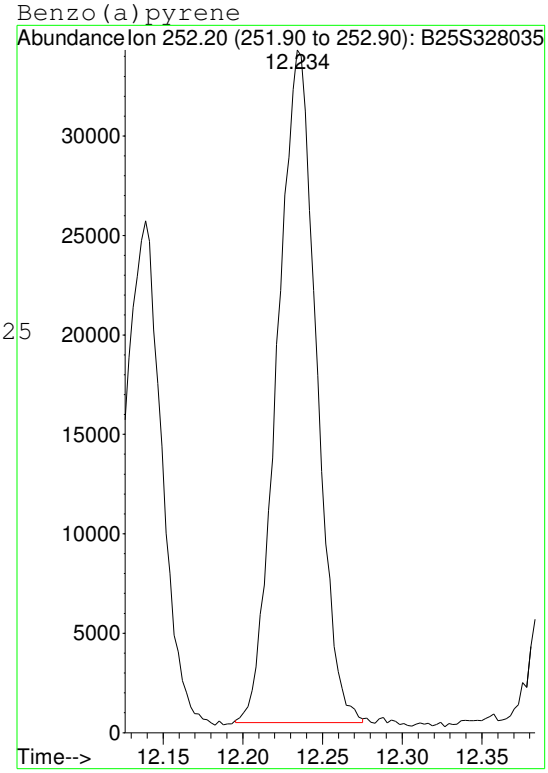
RT : 12.14
Area : 39366
Amount: 7.80525

Manual Int. Results

Tue Nov 25 10:51:46 2025

MIuser: BGL
Reason: Other
RT : 12.23
Area : 57521
Amount: 11.4049

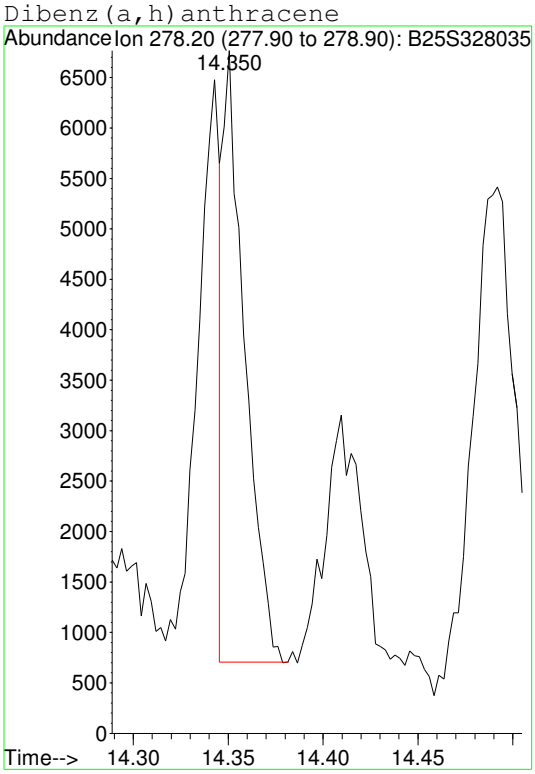
Manual Integration
Benzo(a)pyrene



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328035.D
Acq On : 24 Nov 2025 11:01 pm
Operator : BGL
Sample : 25K1213-06
Misc :

Quant Time : Tue Nov 25 10:51:51 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Dibenz(a,h)anthracene



Original Int. Results

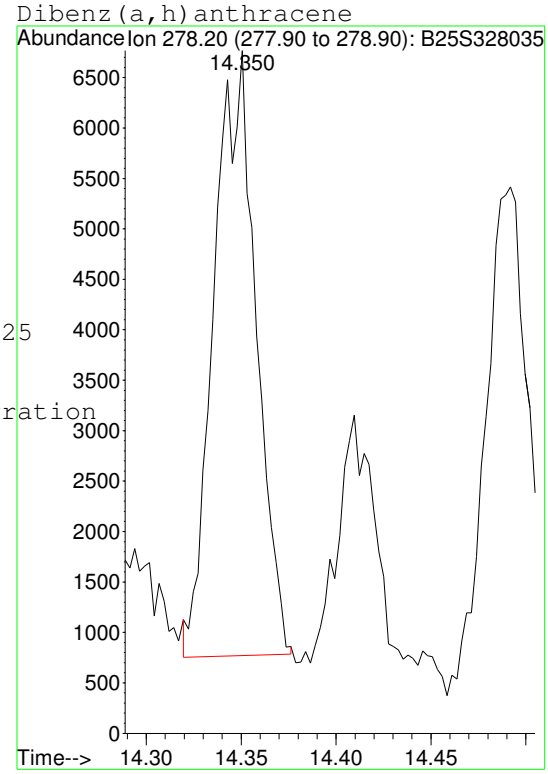
RT : 14.35
Area : 4806
Amount: 1.01868

Manual Int. Results

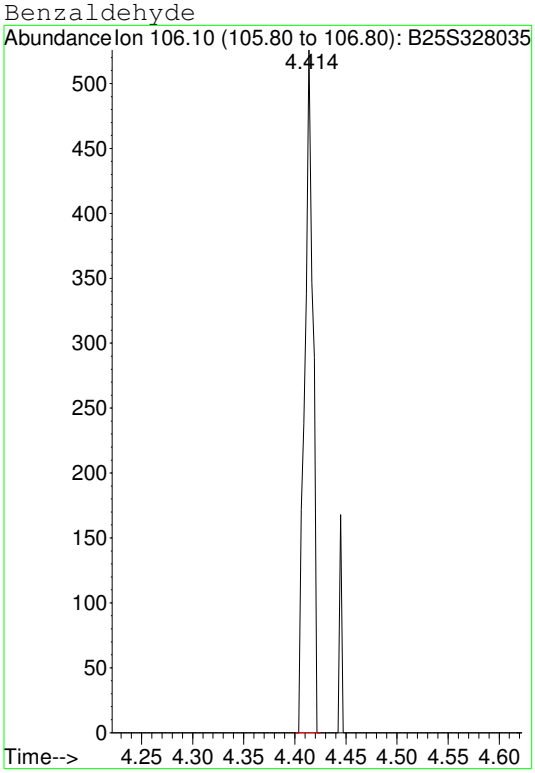
Tue Nov 25 10:51:34 2025

MIuser: BGL
Reason: Incorret Integration
RT : 14.35
Area : 9244
Amount: 1.95935

Manual Integration
Dibenz(a,h)anthracene



Original Integration
Benzaldehyde



Original Int. Results

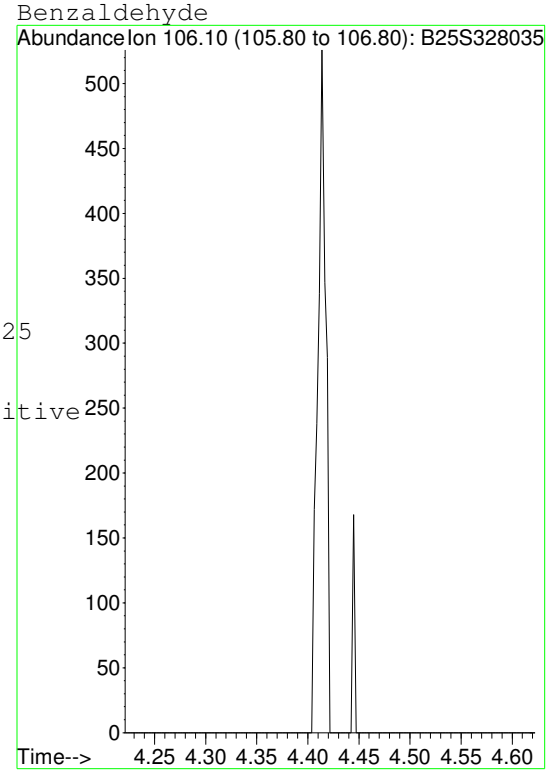
RT : 4.41
Area : 295
Amount: 0.142863

Manual Int. Results

Tue Nov 25 10:51:28 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Benzaldehyde



1 - FORM I
ANALYSIS DATA SHEET

E-1 (0-2in)

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-07	File ID:	B25S328036.D
Sampled:	11/17/25 10:10	Prepared:	11/20/25 15:25	Analyzed:	11/24/25 23:25
Solids:	75.07	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.06 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833
Instrument:	GCMSSV2				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol		0.064	0.89	
1912-24-9	Atrazine		0.062	0.89	
100-52-7	Benzaldehyde		0.062	0.45	L-04, V-05, V-34
92-52-4	Biphenyl		0.051	0.089	
105-60-2	Caprolactam		0.078	0.45	
83-32-9	Acenaphthene	0.019	0.0049	0.044	J
208-96-8	Acenaphthylene	0.012	0.0056	0.044	J
98-86-2	Acetophenone		0.047	0.45	
62-53-3	Aniline		0.085	0.45	V-34
120-12-7	Anthracene	0.077	0.0051	0.044	
56-55-3	Benzo(a)anthracene	0.44	0.0069	0.044	
50-32-8	Benzo(a)pyrene	0.53	0.015	0.044	
205-99-2	Benzo(b)fluoranthene	0.76	0.011	0.044	
191-24-2	Benzo(g,h,i)perylene	0.41	0.017	0.044	
207-08-9	Benzo(k)fluoranthene	0.25	0.0090	0.044	
111-91-1	Bis(2-chloroethoxy)methane		0.046	0.45	
111-44-4	Bis(2-chloroethyl)ether		0.060	0.45	
108-60-1	2,2'-oxybis(1-Chloropropane)		0.18	0.45	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.061	0.45	
101-55-3	4-Bromophenylphenylether		0.040	0.45	
85-68-7	Butylbenzylphthalate		0.051	0.45	
86-74-8	Carbazole	0.056	0.047	0.23	J
106-47-8	4-Chloroaniline		0.073	0.88	
59-50-7	4-Chloro-3-methylphenol		0.047	0.88	
91-58-7	2-Chloronaphthalene		0.040	0.45	
95-57-8	2-Chlorophenol		0.039	0.45	
7005-72-3	4-Chlorophenylphenylether		0.041	0.45	
218-01-9	Chrysene	0.53	0.0057	0.044	
53-70-3	Dibenz(a,h)anthracene	0.097	0.020	0.044	

1 - FORM I
ANALYSIS DATA SHEET

E-1 (0-2in)

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-07	File ID:	B25S328036.D
Sampled:	11/17/25 10:10	Prepared:	11/20/25 15:25	Analyzed:	11/24/25 23:25
Solids:	75.07	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.06 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
132-64-9	Dibenzofuran		0.044	0.45	
84-74-2	Di-n-butylphthalate		0.17	0.45	
91-94-1	3,3-Dichlorobenzidine		0.081	0.23	
120-83-2	2,4-Dichlorophenol		0.042	0.45	
84-66-2	Diethylphthalate		0.044	0.45	
105-67-9	2,4-Dimethylphenol		0.093	0.45	
131-11-3	Dimethylphthalate		0.040	0.45	
534-52-1	4,6-Dinitro-2-methylphenol		0.37	0.45	
51-28-5	2,4-Dinitrophenol		0.42	0.88	V-04, V-06
121-14-2	2,4-Dinitrotoluene		0.11	0.45	
606-20-2	2,6-Dinitrotoluene		0.057	0.45	
117-84-0	Di-n-octylphthalate		0.066	0.45	
206-44-0	Fluoranthene	1.3	0.0062	0.044	
86-73-7	Fluorene	0.025	0.0053	0.044	J
118-74-1	Hexachlorobenzene		0.045	0.45	
87-68-3	Hexachlorobutadiene		0.046	0.45	
77-47-4	Hexachlorocyclopentadiene		0.22	0.45	
67-72-1	Hexachloroethane		0.041	0.45	
193-39-5	Indeno(1,2,3-cd)pyrene	0.45	0.018	0.044	
78-59-1	Isophorone		0.048	0.45	
90-12-0	1-Methylnaphthalene		0.0056	0.044	
91-57-6	2-Methylnaphthalene		0.0051	0.044	
95-48-7	2-Methylphenol		0.057	0.45	
108-39-4/106-4	3/4-Methylphenol		0.074	0.45	
91-20-3	Naphthalene	0.0075	0.0064	0.044	J
88-74-4	2-Nitroaniline		0.069	0.45	
99-09-2	3-Nitroaniline		0.059	0.45	
100-01-6	4-Nitroaniline		0.064	0.45	
98-95-3	Nitrobenzene		0.051	0.45	

1 - FORM I
ANALYSIS DATA SHEET

E-1 (0-2in)

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-07	File ID:	B25S328036.D
Sampled:	11/17/25 10:10	Prepared:	11/20/25 15:25	Analyzed:	11/24/25 23:25
Solids:	75.07	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.06 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
88-75-5	2-Nitrophenol		0.046	0.45	
100-02-7	4-Nitrophenol		0.18	0.88	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.058	0.45	
621-64-7	N-Nitrosodi-n-propylamine		0.056	0.45	
87-86-5	Pentachlorophenol		0.058	0.45	
85-01-8	Phenanthrene	0.50	0.0045	0.044	
108-95-2	Phenol		0.043	0.45	
129-00-0	Pyrene	0.97	0.0076	0.044	
110-86-1	Pyridine		0.057	0.45	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.043	0.45	
95-95-4	2,4,5-Trichlorophenol		0.046	0.45	
88-06-2	2,4,6-Trichlorophenol		0.039	0.45	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328036.D
Acq On : 24 Nov 2025 11:25 pm
Operator : BGL
Sample : 25K1213-07 Inst : GCMSSV2
Misc :
ALS Vial : 36 Sample Multiplier: 1

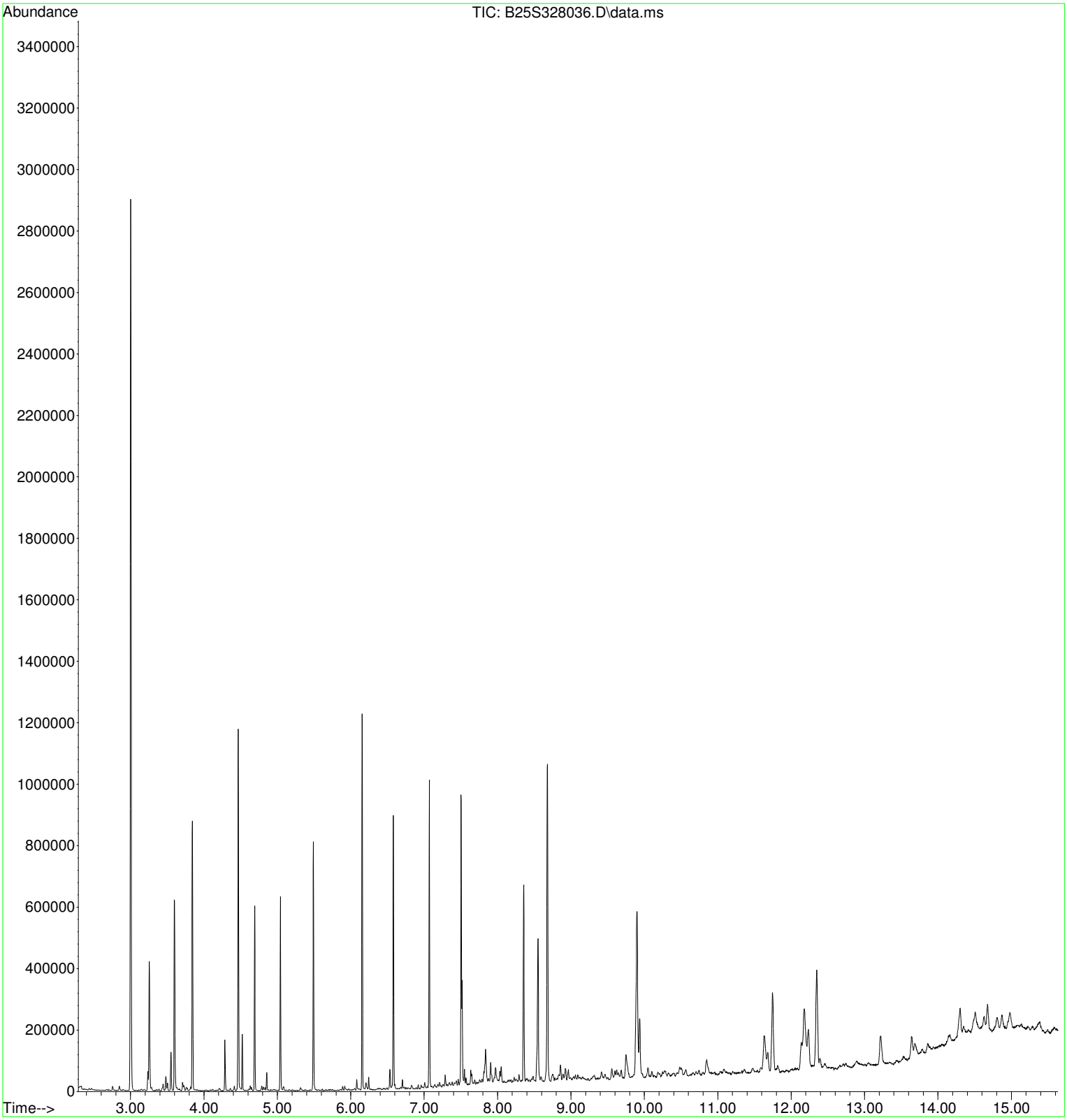
Quant Time: Nov 24 23:41:39 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

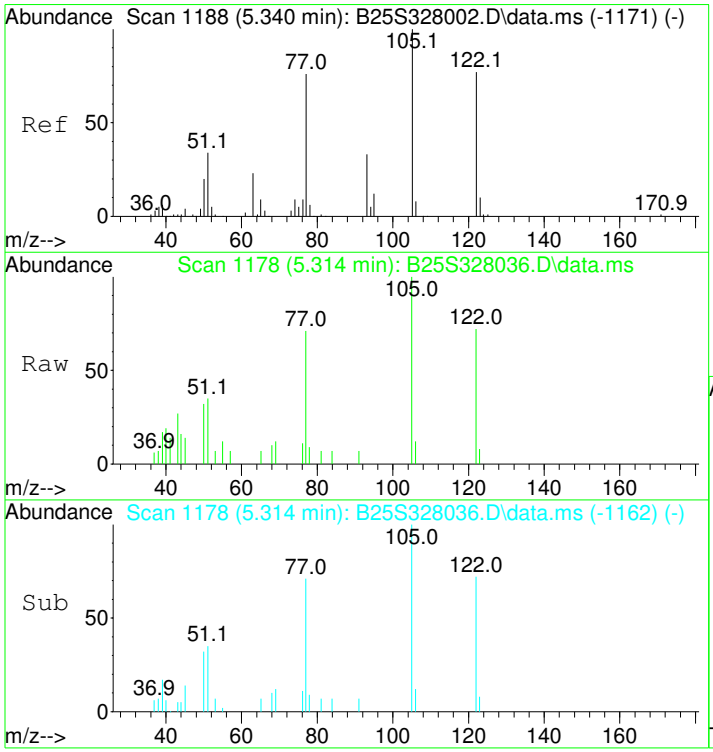
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.692	152	65252	40.00	ug/ml	-0.01
19) NAPHTHALENE-d8	5.491	136	251159	40.00	ug/ml	-0.01
35) ACENAPHTHENE-D10	6.579	164	134110	40.00	ug/ml	-0.01
58) PHENANTHRENE-D10	7.502	188	228779	40.00	ug/ml	-0.01
71) CHRYSENE-D12	9.899	240	212599	40.00	ug/ml	-0.02
80) PERYLENE-D12	12.350	264	190806	40.00	ug/ml	-0.01
88) 1,4-Dichlorobenzene-D4...	4.692	152	65252	40.00	ug/ml	-0.01
92) NAPHTHALENE-d8 (2)	5.491	136	251159	40.00	ug/ml	-0.01
95) ACENAPHTHENE-D10 (2)	6.579	164	134110	40.00	ug/ml	-0.01
System Monitoring Compounds						
2) 2-Fluorophenol	3.843	112	183903	100.88	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 50.44%			
3) Phenol-d6	4.468	99	305022	101.47	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 50.73%			
20) Nitrobenzene-d5	5.041	82	136496	54.61	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 54.61%			
36) 2-Fluorobiphenyl	6.155	172	253651	57.29	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 57.29%			
37) 2,4,6-Tribromophenol	7.070	330	74485	125.06	ug/ml	-0.01
Spiked Amount 200.000	Range 30 - 130		Recovery = 62.53%			
72) p-Terphenyl-d14	8.680	244	286130	64.99	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 64.99%			
Target Compounds						Qvalue
26) Benzoic Acid	5.314	122	1261m	1.02	ug/ml	
29) Naphthalene	5.504	128	1181	0.17	ug/ml	90
47) Acenaphthylene	6.494	152	1699	0.26	ug/ml	88
49) Acenaphthene	6.600	154	1821	0.42	ug/ml	87
52) Dibenzofuran	6.708	168	1437	0.25	ug/ml	83
56) Flourene	6.921	166	2639	0.56	ug/ml	91
66) Phenanthrene	7.518	178	80472	11.26	ug/ml	100
67) Anthracene	7.549	178	12393	1.73	ug/ml	96
68) Carbazole	7.649	167	8458	1.27	ug/ml	97
70) Flouranthene	8.356	202	204903	29.01	ug/ml	98
74) Pyrene	8.552	202	171087	21.94	ug/ml	96
77) Benzo(a)anthracene	9.886	228	71805	10.01	ug/ml	94
78) Chrysene	9.935	228	84656	11.94	ug/ml	98
79) Bis(2-ethylhexyl)phtha...	9.953	149	2529	0.78	ug/ml	78
82) Benzo(b)fluoranthene	11.637	252	99820	17.05	ug/ml	99
83) Benzo(k)fluoranthene	11.681	252	32453	5.59	ug/ml	91
84) Benzo(a)pyrene	12.237	252	64731	11.93	ug/ml	94
85) Indeno(1,2,3-cd)pyrene	14.302	276	49323	10.22	ug/ml	96
86) Dibenz(a,h)anthracene	14.345	278	11091m	2.19	ug/ml	
87) Benzo(g,h,i)perylene	14.677	276	50144	9.36	ug/ml	97
90) Benzaldehyde	4.414	106	2053	0.95	ug/ml	98

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

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328036.D
Acq On : 24 Nov 2025 11:25 pm
Operator : BGL
Sample : 25K1213-07 Inst : GCMSSV2
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Nov 24 23:41:39 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

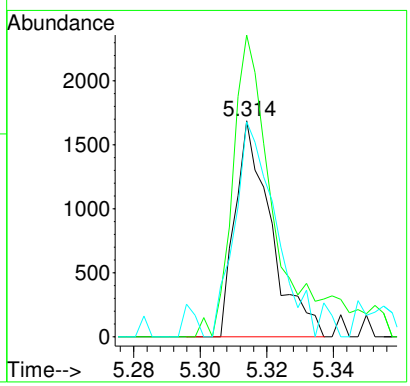


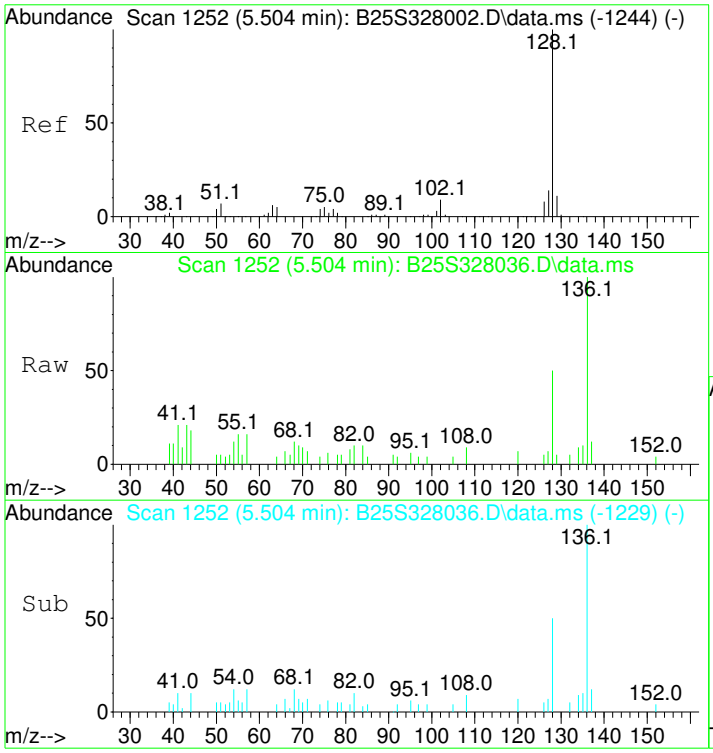


#26
Benzoic Acid
Concen: 1.02 ug/ml m
RT: 5.314 min Scan# 1178
Delta R.T. -0.026 min
Lab File: B25S328036.D
Acq: 24 Nov 2025 11:25 pm

Tgt Ion:122 Resp: 1261

Ion	Ratio	Lower	Upper
122	100		
105	0.0	95.4	135.4#
77	5.3	64.2	104.2#

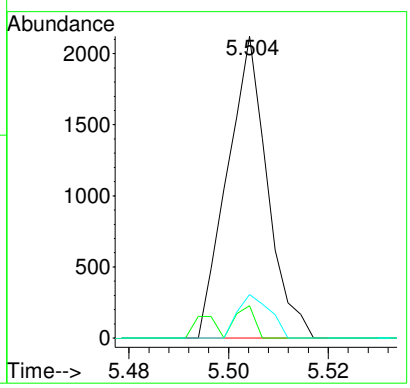


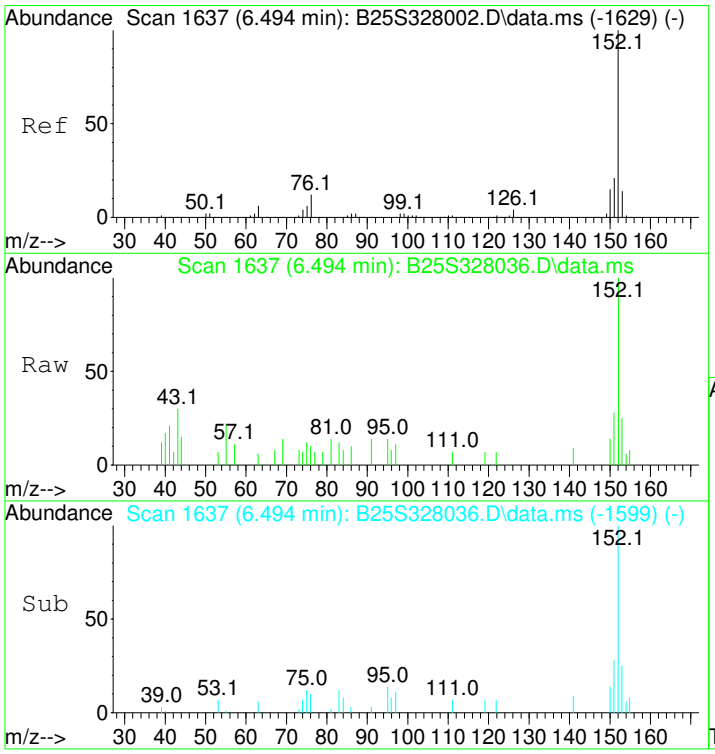


#29
Naphthalene
Concen: 0.17 ug/ml
RT: 5.504 min Scan# 1252
Delta R.T. -0.013 min
Lab File: B25S328036.D
Acq: 24 Nov 2025 11:25 pm

Tgt Ion:128 Resp: 1181

Ion	Ratio	Lower	Upper
128	100		
129	5.2	0.0	31.1
127	11.7	0.0	34.2

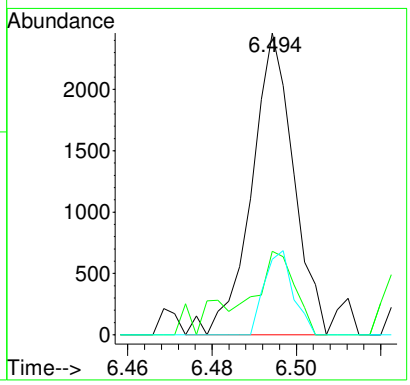


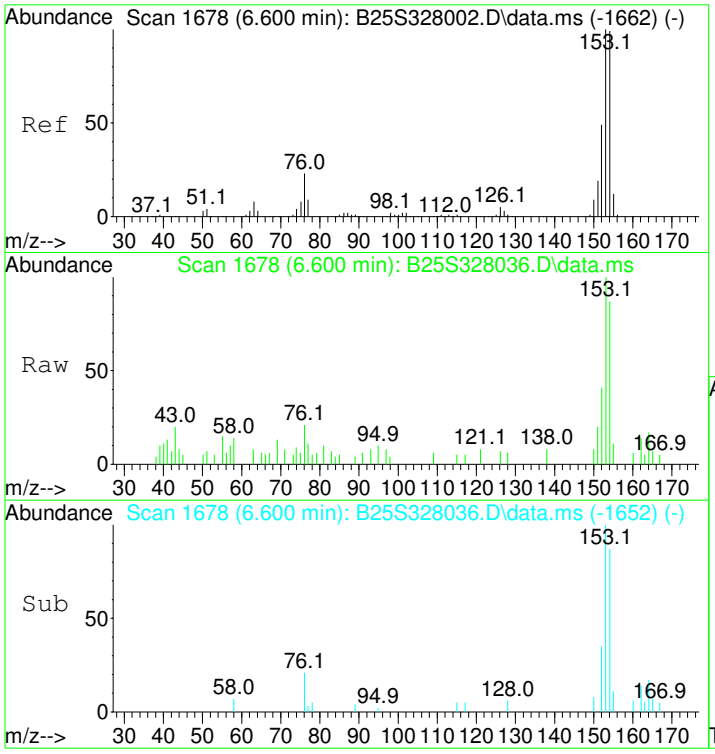


#47
Acenaphthylene
Concen: 0.26 ug/ml
RT: 6.494 min Scan# 1637
Delta R.T. -0.010 min
Lab File: B25S328036.D
Acq: 24 Nov 2025 11:25 pm

Tgt Ion:152 Resp: 1699

Ion	Ratio	Lower	Upper
152	100		
151	25.7	1.0	41.0
153	19.2	0.0	33.1

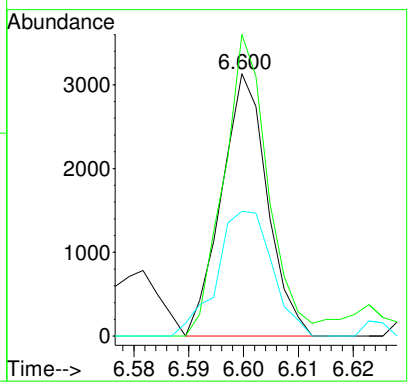


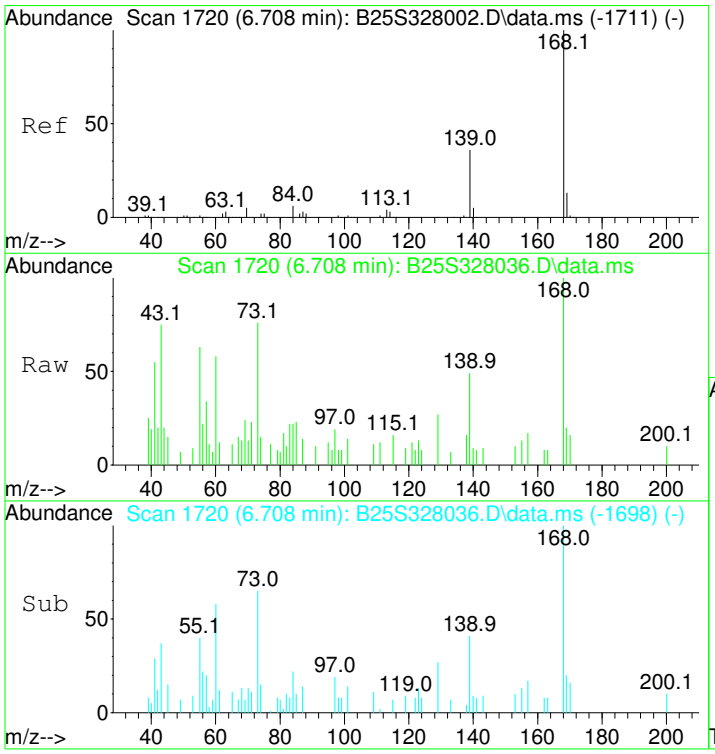


#49
Acenaphthene
Concen: 0.42 ug/ml
RT: 6.600 min Scan# 1678
Delta R.T. -0.013 min
Lab File: B25S328036.D
Acq: 24 Nov 2025 11:25 pm

Tgt Ion:154 Resp: 1821

Ion	Ratio	Lower	Upper
154	100		
153	110.8	77.8	117.8
152	57.5	28.0	68.0

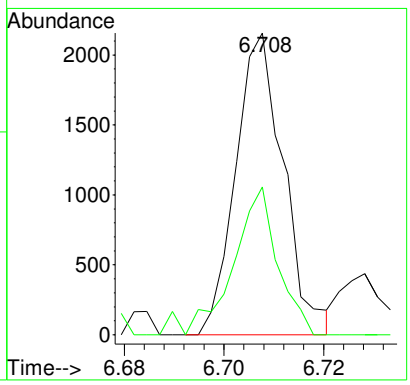


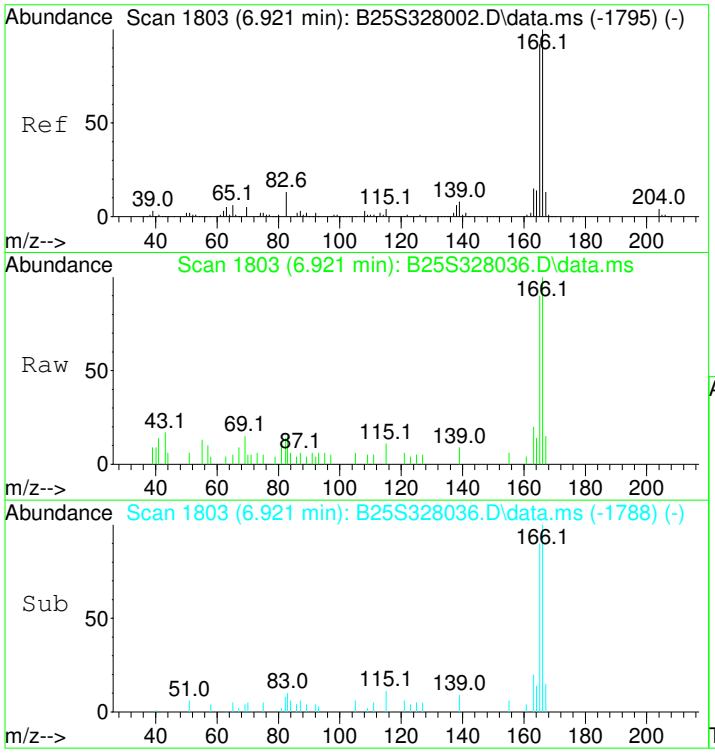


#52
Dibenzofuran
Concen: 0.25 ug/ml
RT: 6.708 min Scan# 1720
Delta R.T. -0.010 min
Lab File: B25S328036.D
Acq: 24 Nov 2025 11:25 pm

Tgt Ion:168 Resp: 1437

Ion	Ratio	Lower	Upper
168	100		
139	46.6	16.8	56.8

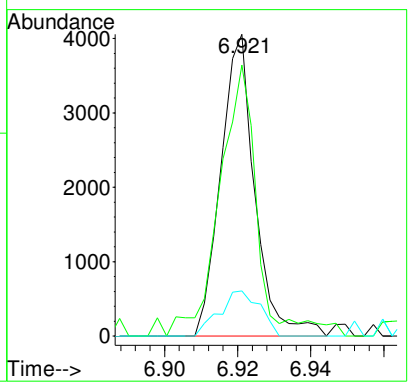


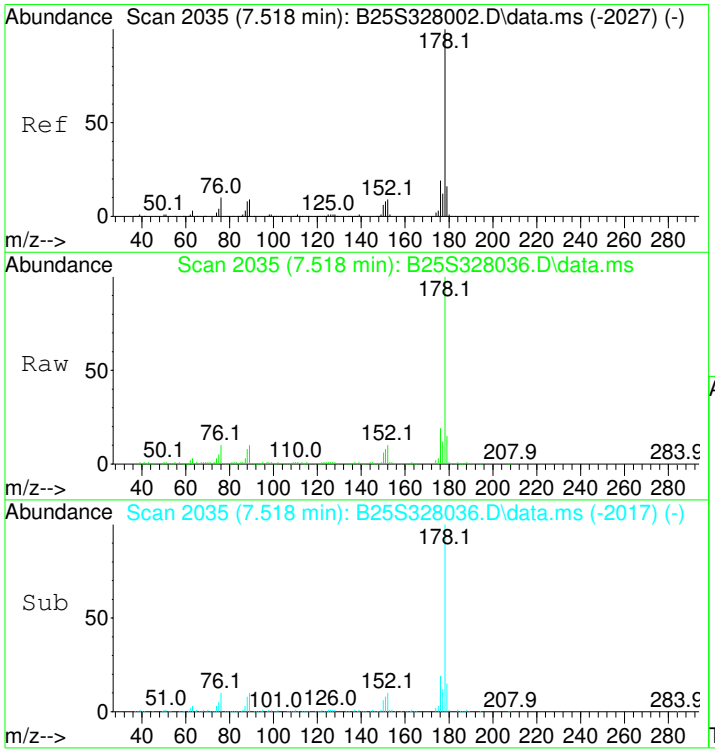


#56
Flourene
Concen: 0.56 ug/ml
RT: 6.921 min Scan# 1803
Delta R.T. -0.010 min
Lab File: B25S328036.D
Acq: 24 Nov 2025 11:25 pm

Tgt Ion:166 Resp: 2639

Ion	Ratio	Lower	Upper
166	100		
165	100.3	71.4	111.4
167	17.8	0.0	33.6

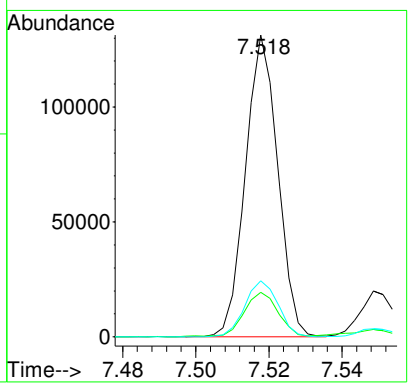


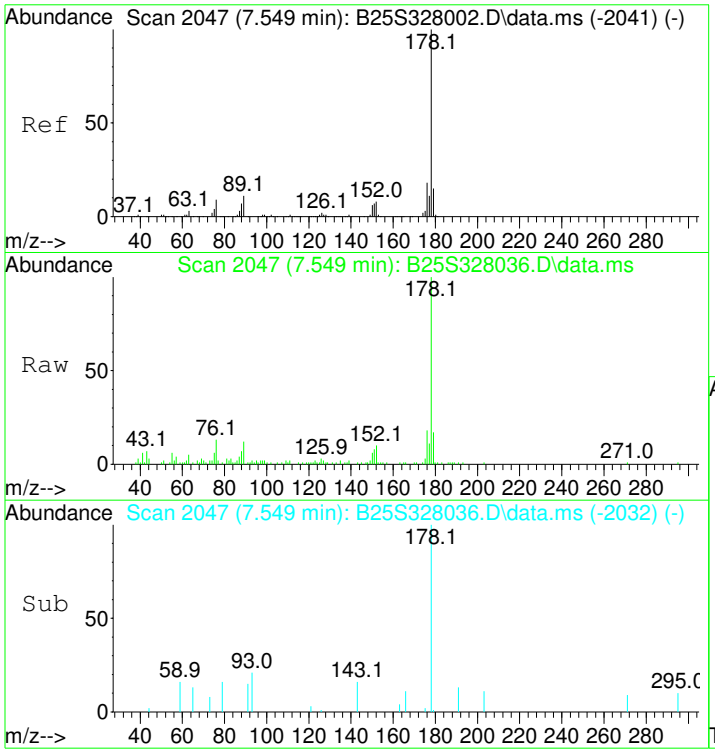


#66
Phenanthrene
Concen: 11.26 ug/ml
RT: 7.518 min Scan# 2035
Delta R.T. -0.010 min
Lab File: B25S328036.D
Acq: 24 Nov 2025 11:25 pm

Tgt Ion:178 Resp: 80472

Ion	Ratio	Lower	Upper
178	100		
179	15.8	0.0	35.5
176	19.1	0.0	39.0

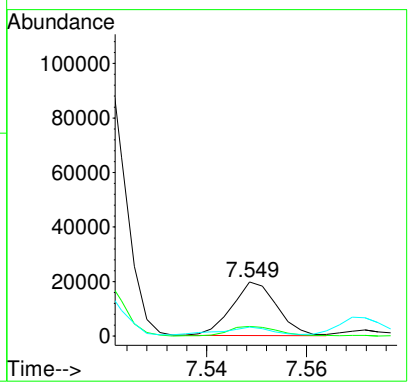


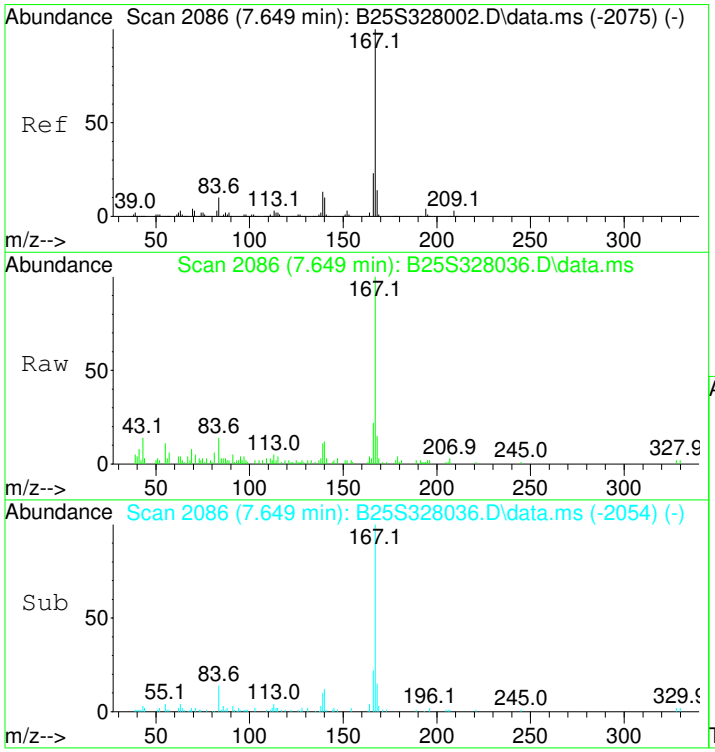


#67
Anthracene
Concen: 1.73 ug/ml
RT: 7.549 min Scan# 2047
Delta R.T. -0.013 min
Lab File: B25S328036.D
Acq: 24 Nov 2025 11:25 pm

Tgt Ion:178 Resp: 12393

Ion	Ratio	Lower	Upper
178	100		
176	20.7	0.0	38.3
179	16.1	0.0	35.5

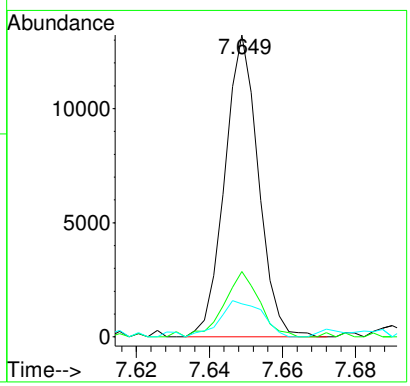


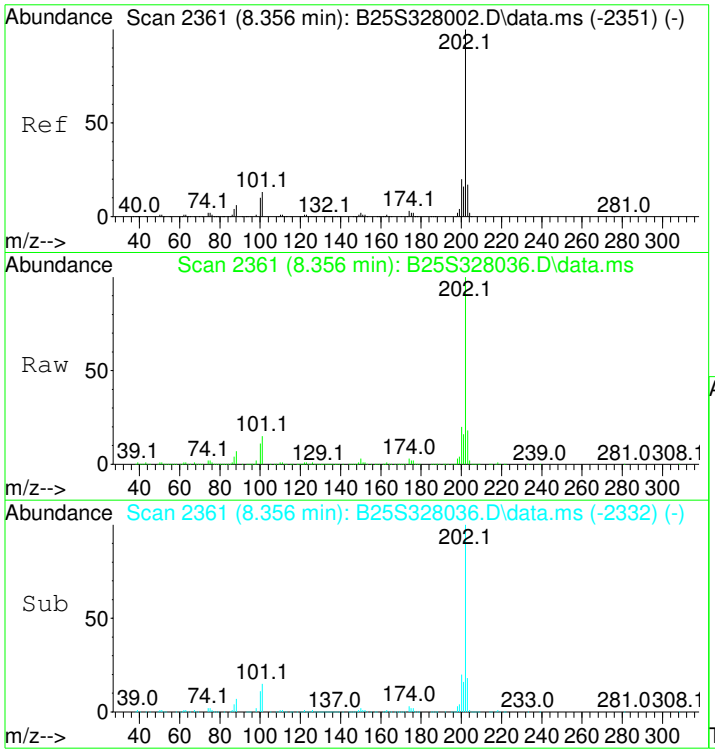


#68
Carbazole
Concen: 1.27 ug/ml
RT: 7.649 min Scan# 2086
Delta R.T. -0.008 min
Lab File: B25S328036.D
Acq: 24 Nov 2025 11:25 pm

Tgt Ion:167 Resp: 8458

Ion	Ratio	Lower	Upper
167	100		
166	22.8	1.9	41.9
139	14.9	0.0	33.5

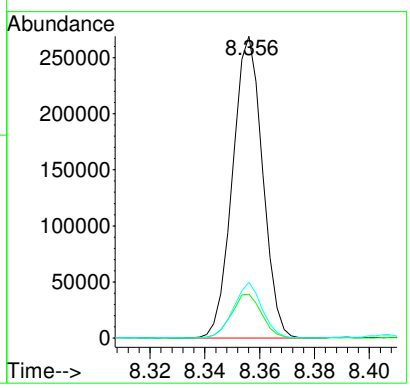


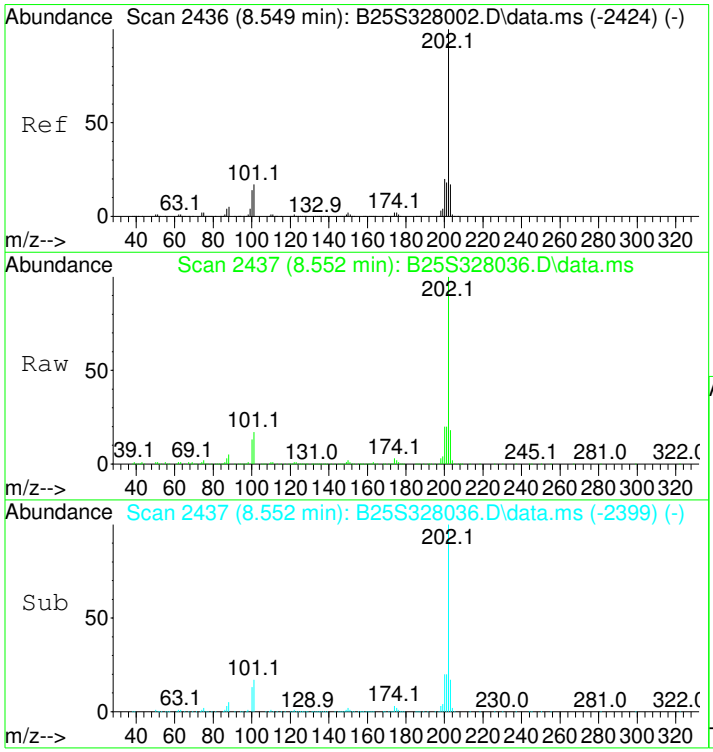


#70
Flouranthene
Concen: 29.01 ug/ml
RT: 8.356 min Scan# 2361
Delta R.T. -0.010 min
Lab File: B25S328036.D
Acq: 24 Nov 2025 11:25 pm

Tgt Ion:202 Resp: 204903

Ion	Ratio	Lower	Upper
202	100		
101	14.8	0.0	36.2
203	17.6	0.0	37.5

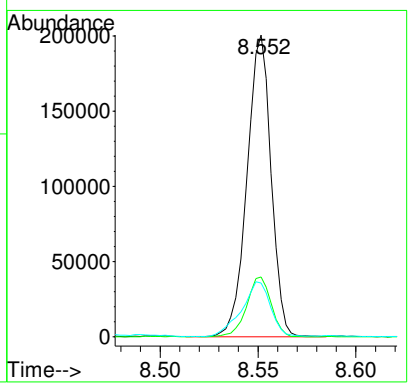


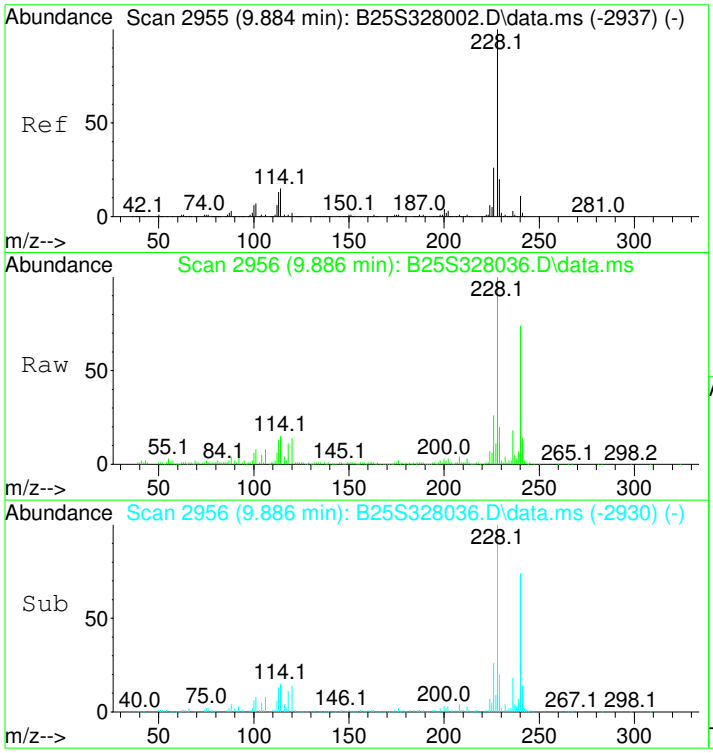


#74
Pyrene
Concen: 21.94 ug/ml
RT: 8.552 min Scan# 2437
Delta R.T. -0.010 min
Lab File: B25S328036.D
Acq: 24 Nov 2025 11:25 pm

Tgt Ion:202 Resp: 171087

Ion	Ratio	Lower	Upper
202	100		
200	20.2	0.1	40.1
203	21.9	0.0	38.1

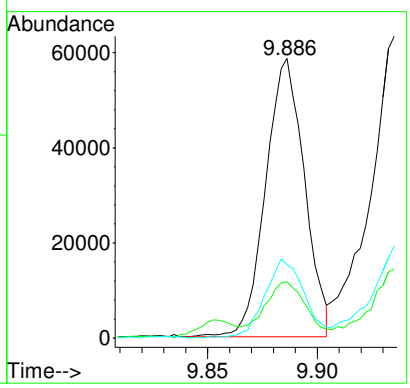


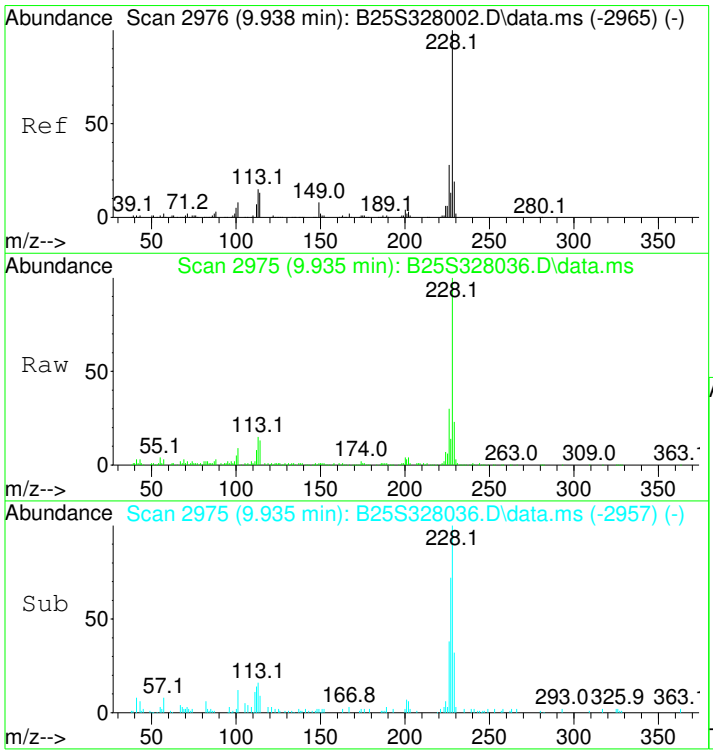


#77
Benzo(a)anthracene
Concen: 10.01 ug/ml
RT: 9.886 min Scan# 2956
Delta R.T. -0.015 min
Lab File: B25S328036.D
Acq: 24 Nov 2025 11:25 pm

Tgt Ion:228 Resp: 71805

Ion	Ratio	Lower	Upper
228	100		
229	19.9	0.0	38.9
226	29.0	4.9	44.9

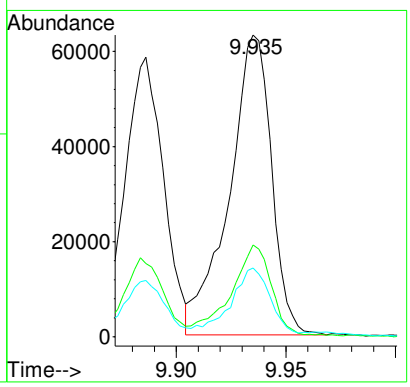


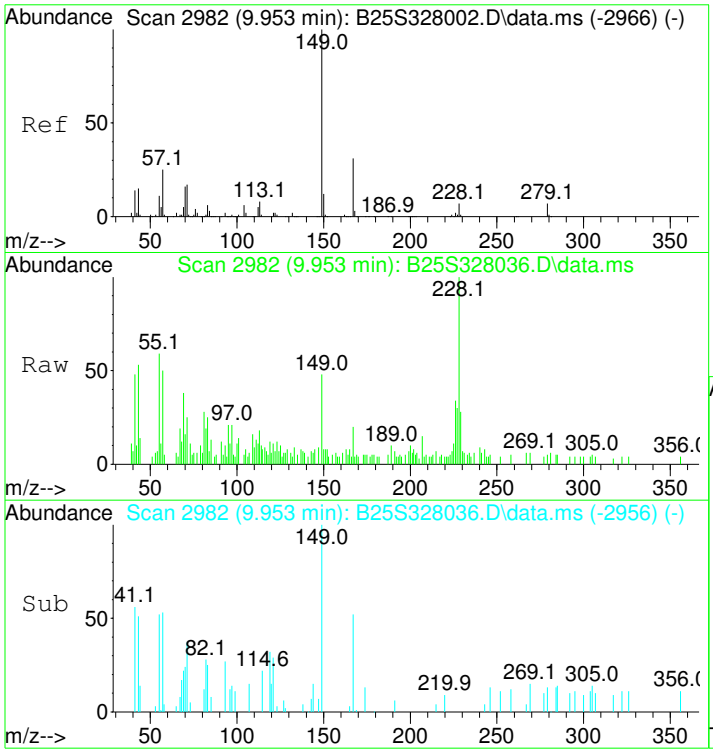


#78
Chrysene
Concen: 11.94 ug/ml
RT: 9.935 min Scan# 2975
Delta R.T. -0.018 min
Lab File: B25S328036.D
Acq: 24 Nov 2025 11:25 pm

Tgt Ion:228 Resp: 84656

Ion	Ratio	Lower	Upper
228	100		
226	29.3	8.1	48.1
229	19.3	0.0	38.9

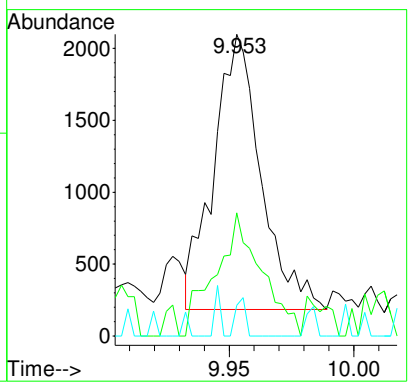


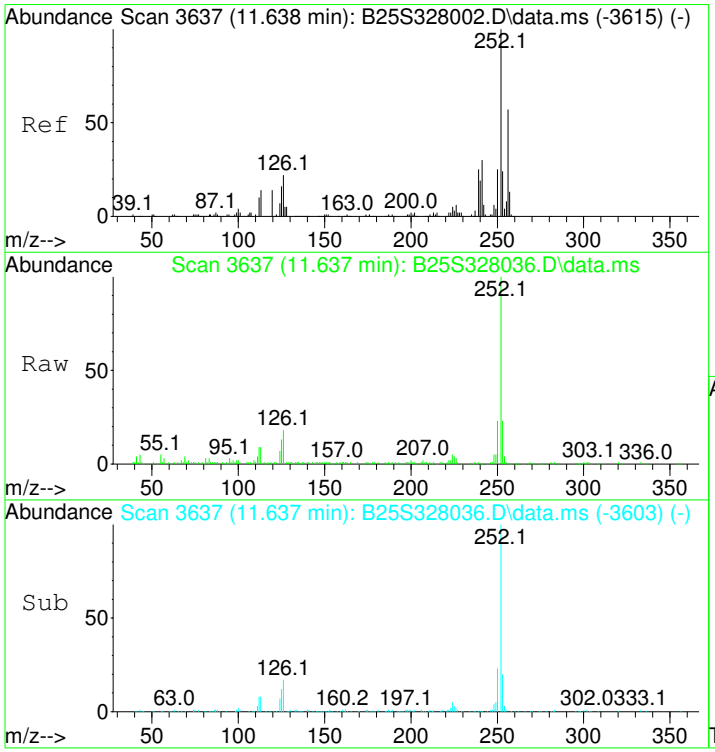


#79
Bis(2-ethylhexyl)phthalate
Concen: 0.78 ug/ml
RT: 9.953 min Scan# 2982
Delta R.T. -0.023 min
Lab File: B25S328036.D
Acq: 24 Nov 2025 11:25 pm

Tgt Ion:149 Resp: 2529

Ion	Ratio	Lower	Upper
149	100		
167	43.7	10.2	50.2
279	2.9	0.0	27.3

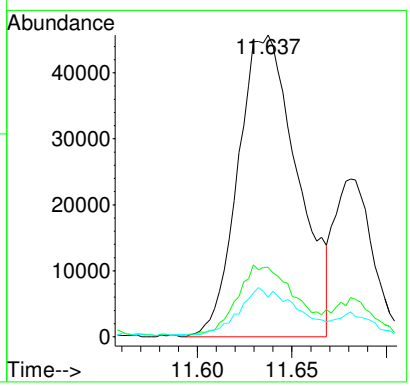


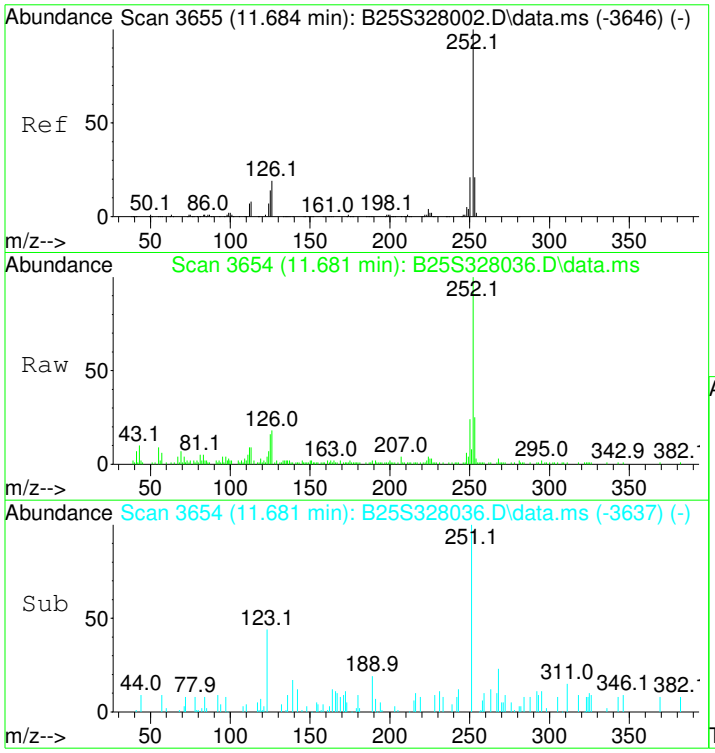


#82
Benzo(b)fluoranthene
Concen: 17.05 ug/ml
RT: 11.637 min Scan# 3637
Delta R.T. -0.015 min
Lab File: B25S328036.D
Acq: 24 Nov 2025 11:25 pm

Tgt Ion:252 Resp: 99820

Ion	Ratio	Lower	Upper
252	100		
253	22.5	2.2	42.2
125	15.2	0.0	34.5

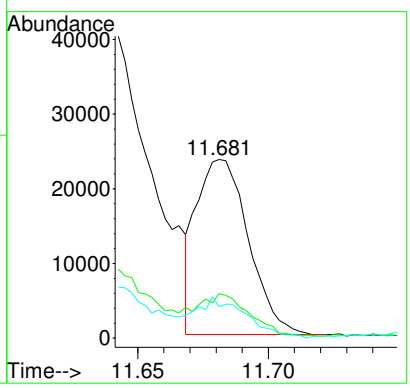


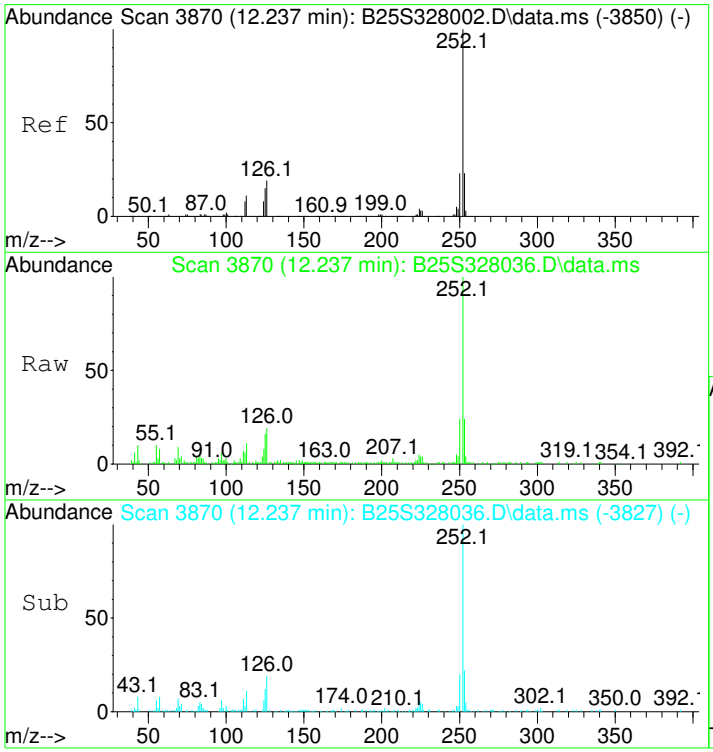


#83
Benzo(k)fluoranthene
Concen: 5.59 ug/ml
RT: 11.681 min Scan# 3654
Delta R.T. -0.023 min
Lab File: B25S328036.D
Acq: 24 Nov 2025 11:25 pm

Tgt Ion:252 Resp: 32453

Ion	Ratio	Lower	Upper
252	100		
253	25.3	0.7	40.7
126	23.2	0.0	39.4

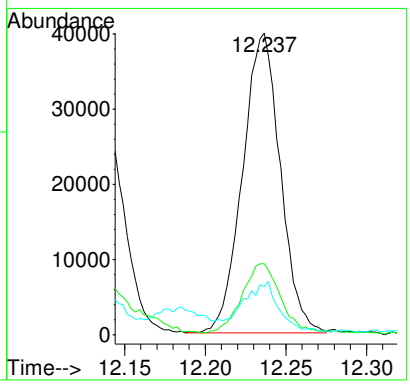


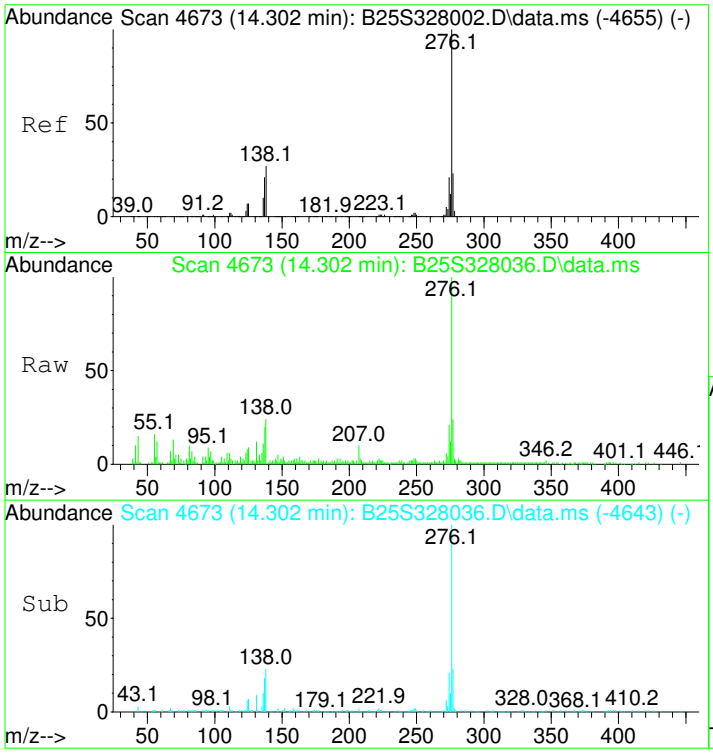


#84
Benzo(a)pyrene
Concen: 11.93 ug/ml
RT: 12.237 min Scan# 3870
Delta R.T. -0.015 min
Lab File: B25S328036.D
Acq: 24 Nov 2025 11:25 pm

Tgt Ion:252 Resp: 64731

Ion	Ratio	Lower	Upper
252	100		
253	23.5	0.4	40.4
125	16.4	0.0	34.0

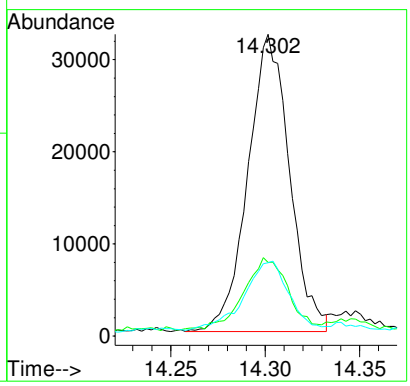


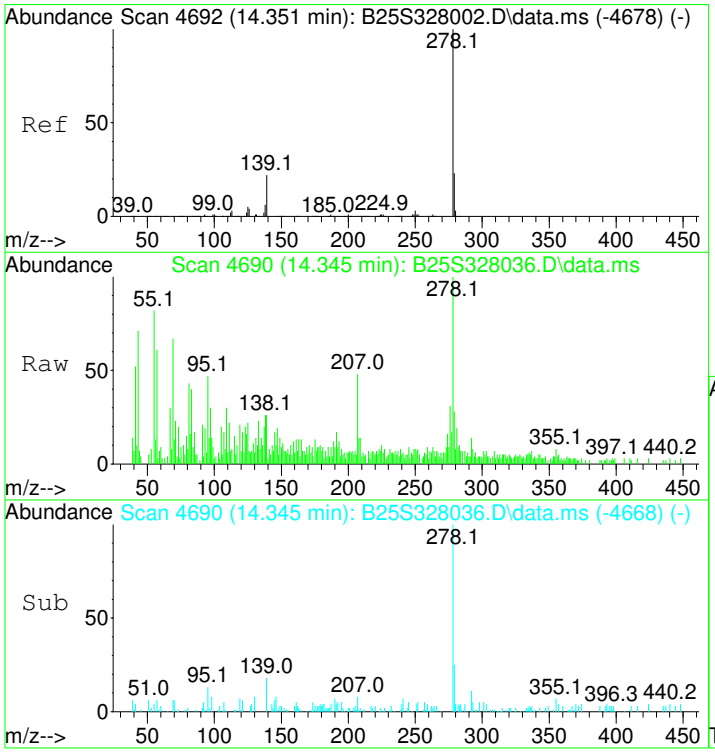


#85
Indeno(1,2,3-cd)pyrene
Concen: 10.22 ug/ml
RT: 14.302 min Scan# 4673
Delta R.T. -0.013 min
Lab File: B25S328036.D
Acq: 24 Nov 2025 11:25 pm

Tgt Ion:276 Resp: 49323

Ion	Ratio	Lower	Upper
276	100		
138	27.0	5.0	45.0
277	25.9	4.1	44.1

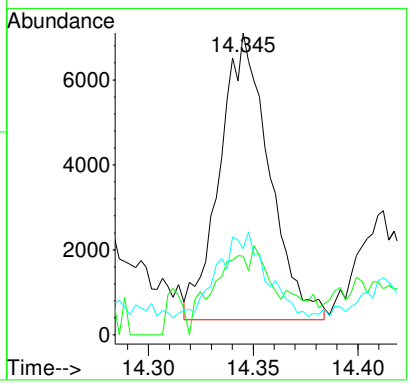


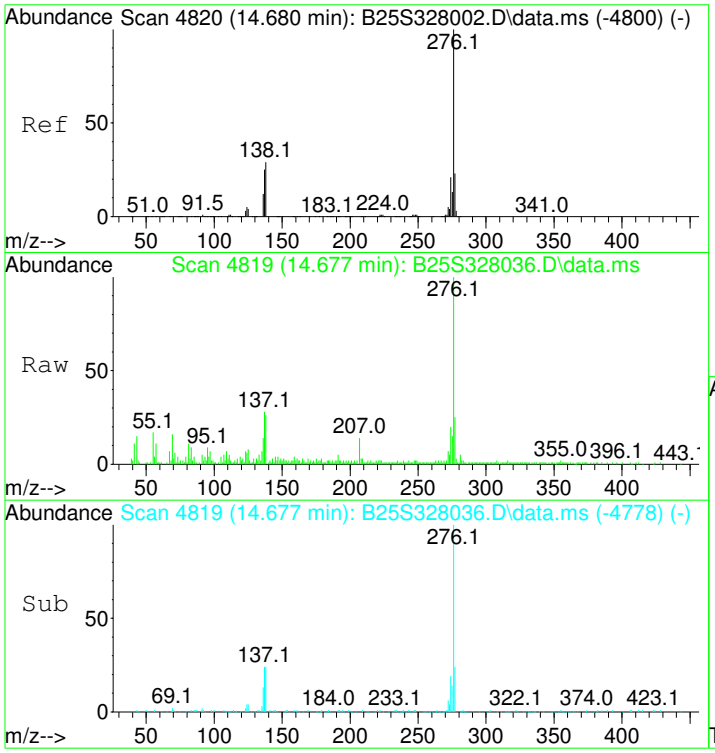


#86
Dibenz(a,h)anthracene
Concen: 2.19 ug/ml m
RT: 14.345 min Scan# 4690
Delta R.T. -0.015 min
Lab File: B25S328036.D
Acq: 24 Nov 2025 11:25 pm

Tgt Ion:278 Resp: 11091

Ion	Ratio	Lower	Upper
278	100		
139	22.7	1.1	41.1
279	28.4	3.5	43.5

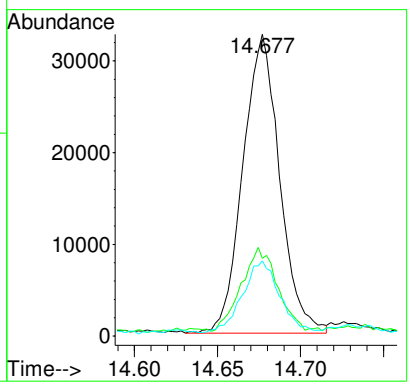


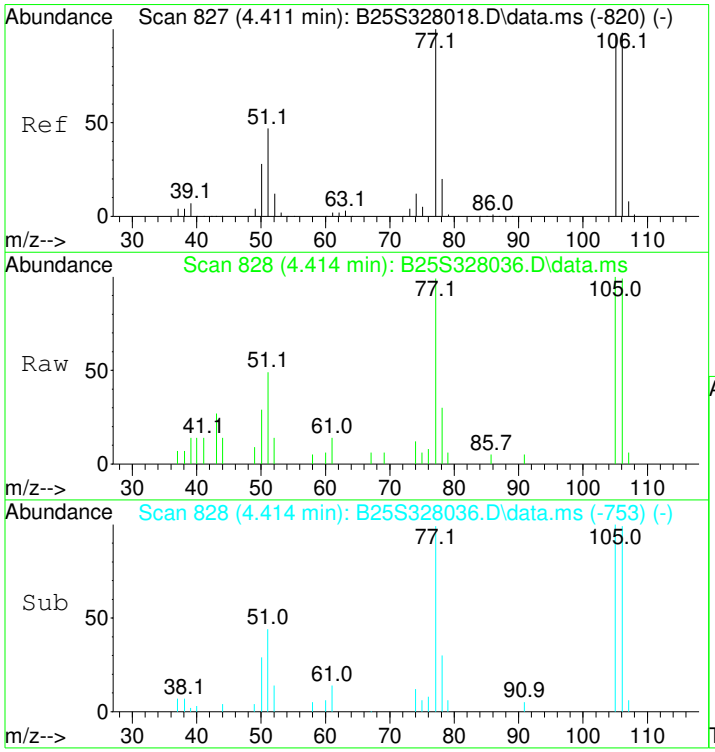


#87
Benzo(g,h,i)perylene
Concen: 9.36 ug/ml
RT: 14.677 min Scan# 4819
Delta R.T. -0.010 min
Lab File: B25S328036.D
Acq: 24 Nov 2025 11:25 pm

Tgt Ion:276 Resp: 50144

Ion	Ratio	Lower	Upper
276	100		
138	27.6	5.6	45.6
277	23.9	3.2	43.2

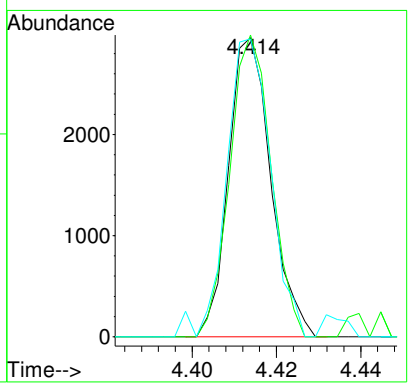




#90
Benzaldehyde
Concen: 0.95 ug/ml
RT: 4.414 min Scan# 828
Delta R.T. -0.008 min
Lab File: B25S328036.D
Acq: 24 Nov 2025 11:25 pm

Tgt Ion:106 Resp: 2053

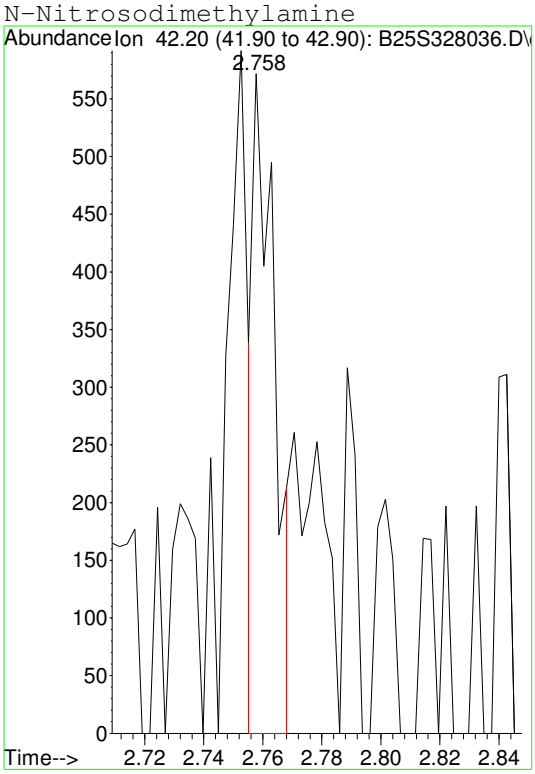
Ion	Ratio	Lower	Upper
106	100		
105	98.6	79.4	119.2
77	104.2	81.3	121.9



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328036.D
Acq On : 24 Nov 2025 11:25 pm
Operator : BGL
Sample : 25K1213-07
Misc :

Quant Time : Tue Nov 25 10:54:20 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
N-Nitrosodimethylamine



Original Int. Results

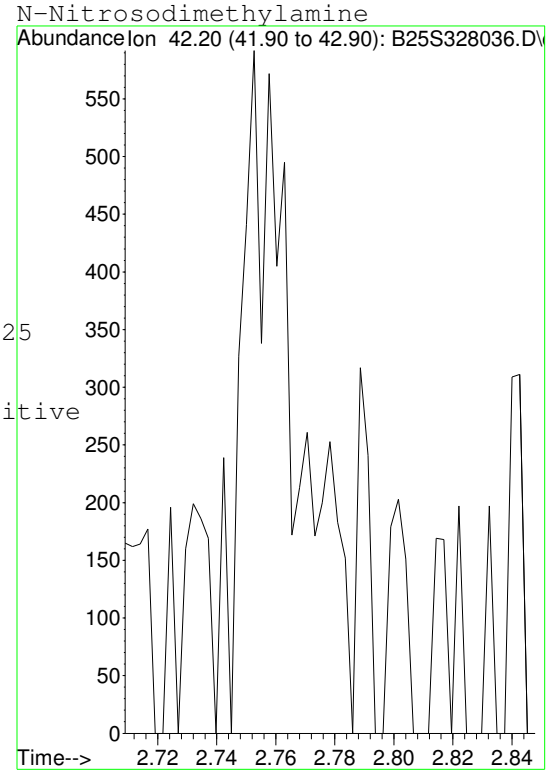
RT : 2.76
Area : 287
Amount: 0.247

Manual Int. Results

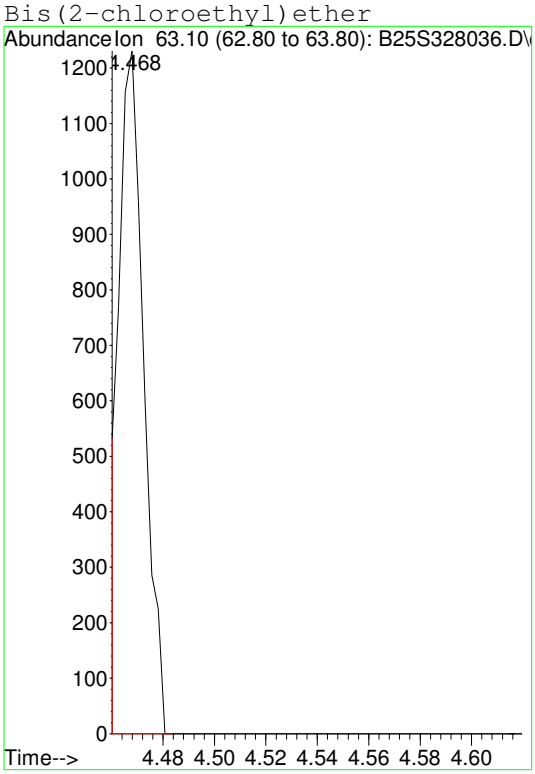
Tue Nov 25 10:52:58 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
N-Nitrosodimethylamine



Original Integration
Bis(2-chloroethyl)ether



Original Int. Results

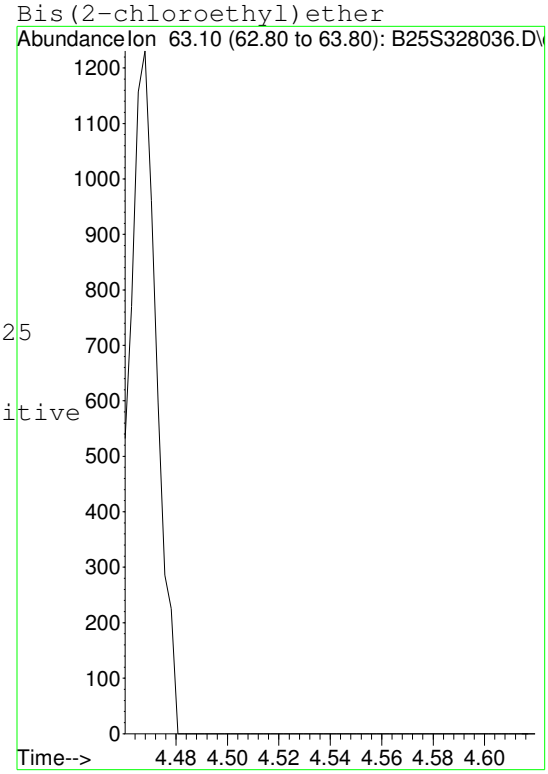
RT : 4.47
Area : 888
Amount: 0.530347

Manual Int. Results

Tue Nov 25 10:52:58 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

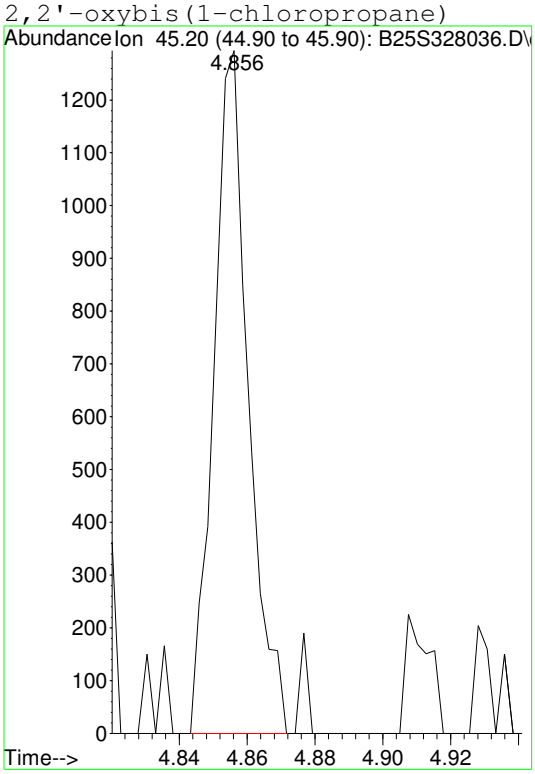
Manual Integration
Bis(2-chloroethyl)ether



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328036.D
Acq On : 24 Nov 2025 11:25 pm
Operator : BGL
Sample : 25K1213-07
Misc :

Quant Time : Tue Nov 25 10:54:20 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
2,2'-oxybis(1-chloropropane)



Original Int. Results

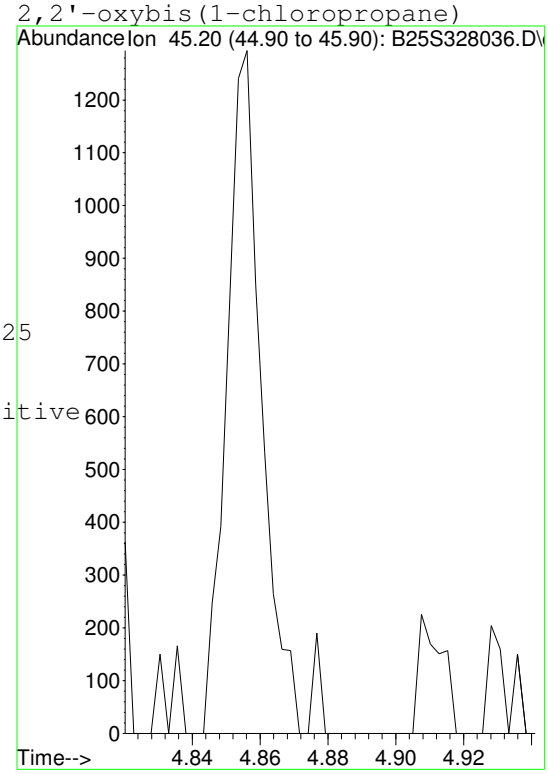
RT : 4.86
Area : 919
Amount: 0.338558

Manual Int. Results

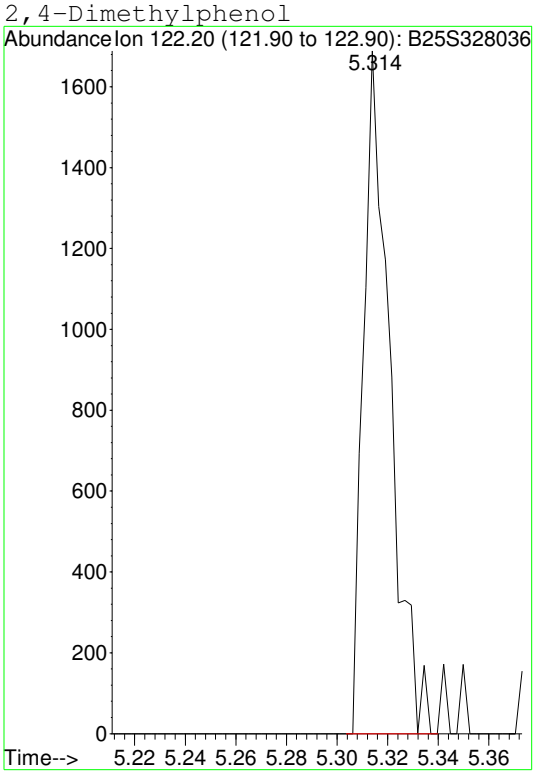
Tue Nov 25 10:52:58 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2,2'-oxybis(1-chloropropane)



Original Integration
2,4-Dimethylphenol



Original Int. Results

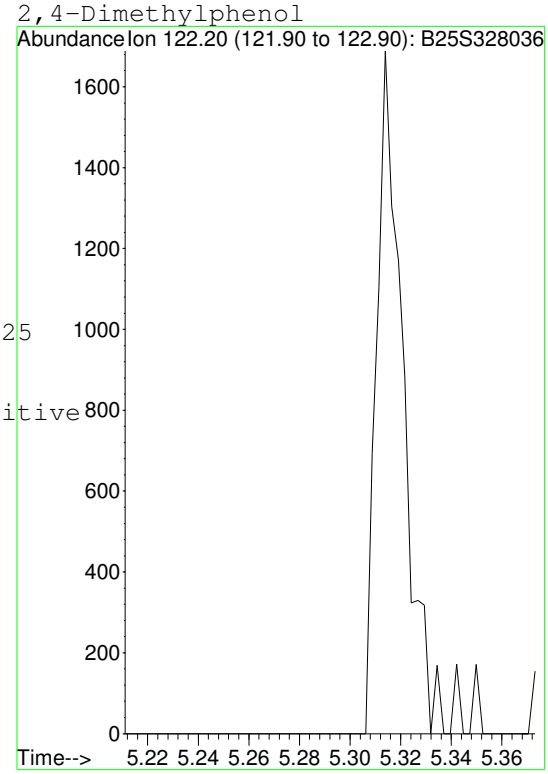
RT : 5.31
Area : 1232
Amount: 0.614195

Manual Int. Results

Tue Nov 25 10:52:57 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

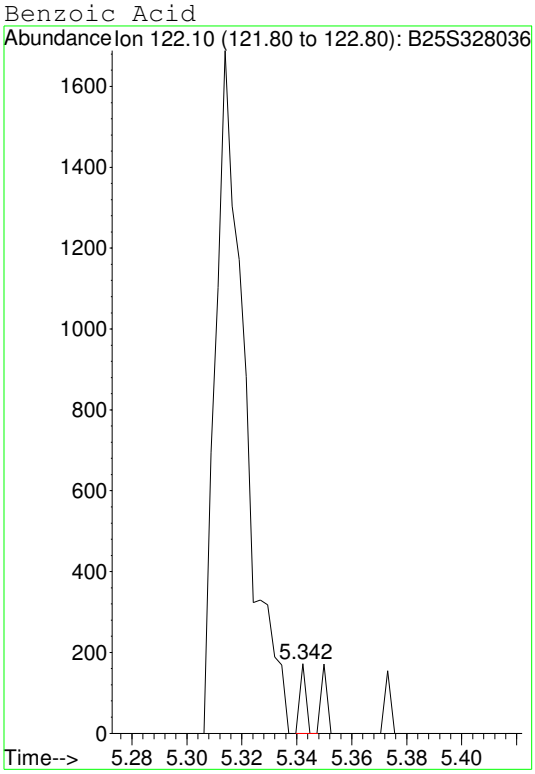
Manual Integration
2,4-Dimethylphenol



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328036.D
Acq On : 24 Nov 2025 11:25 pm
Operator : BGL
Sample : 25K1213-07
Misc :

Quant Time : Tue Nov 25 10:54:20 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Benzoic Acid



Original Int. Results

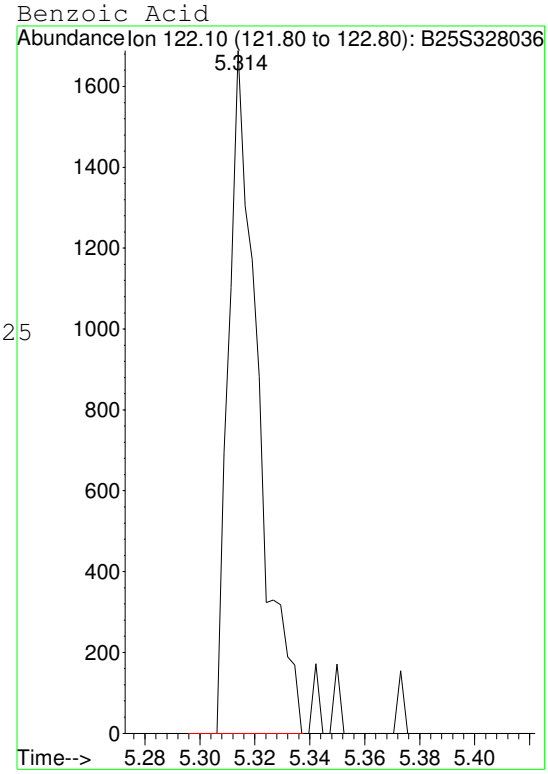
RT : 5.34
Area : 27
Amount: 0.0217744

Manual Int. Results

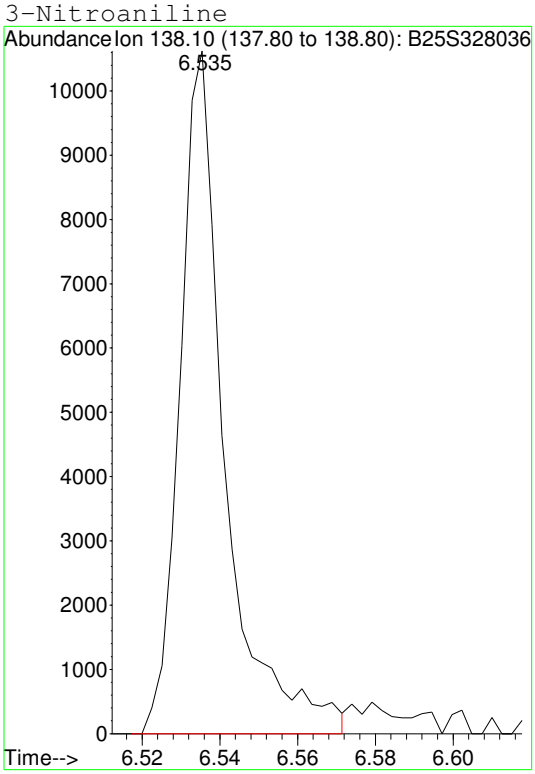
Tue Nov 25 10:53:01 2025

MIuser: BGL
Reason: Other
RT : 5.31
Area : 1261
Amount: 1.01694

Manual Integration
Benzoic Acid



Original Integration
3-Nitroaniline



Original Int. Results

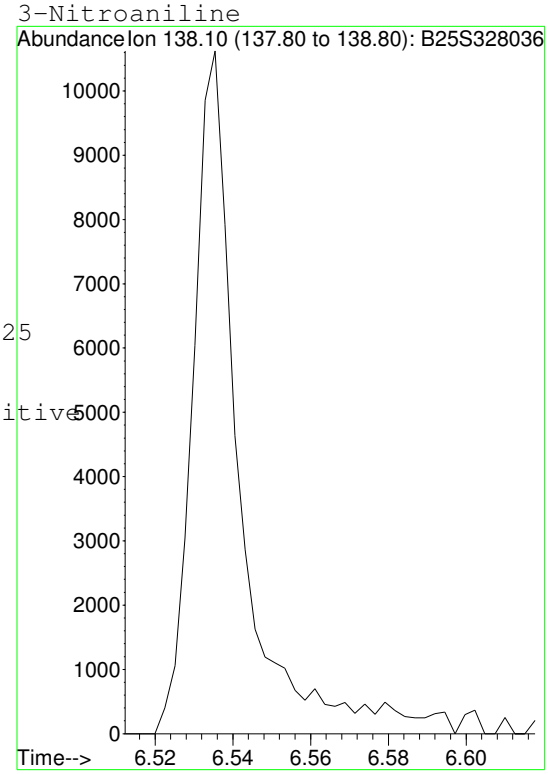
RT : 6.54
Area : 8480
Amount: 7.07007

Manual Int. Results

Tue Nov 25 10:52:57 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

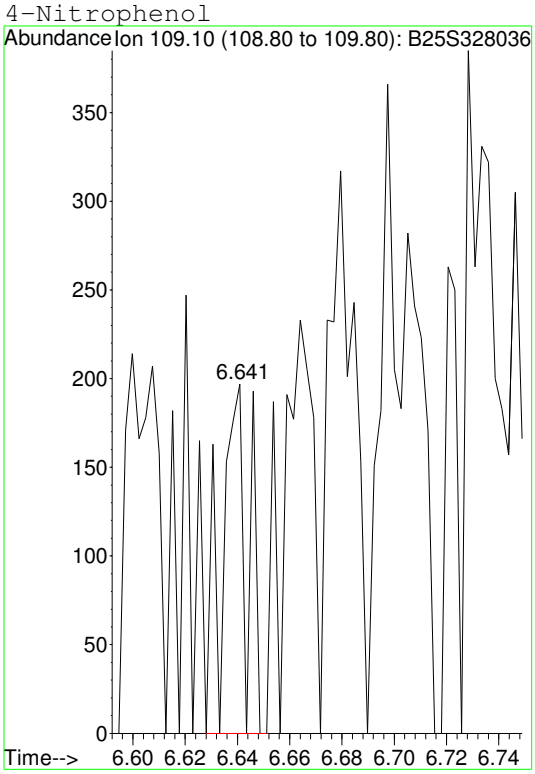
Manual Integration
3-Nitroaniline



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328036.D
Acq On : 24 Nov 2025 11:25 pm
Operator : BGL
Sample : 25K1213-07
Misc :

Quant Time : Tue Nov 25 10:54:20 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
4-Nitrophenol



Original Int. Results

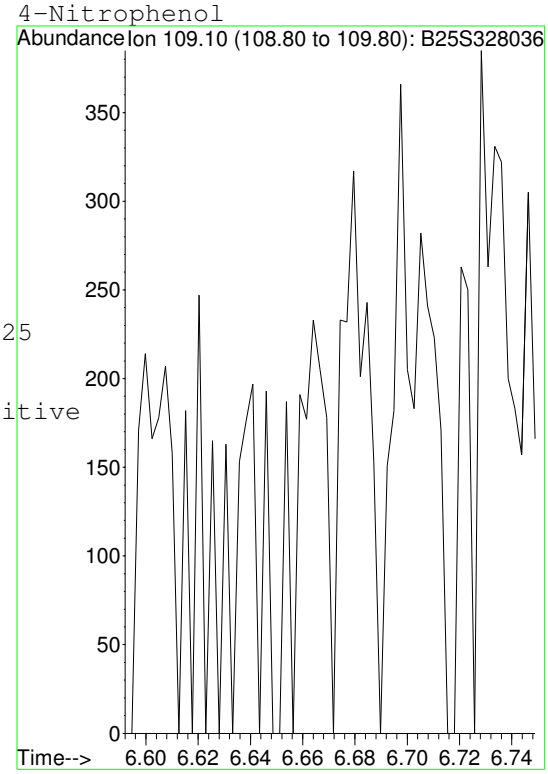
RT : 6.64
Area : 136
Amount: 0.262121

Manual Int. Results

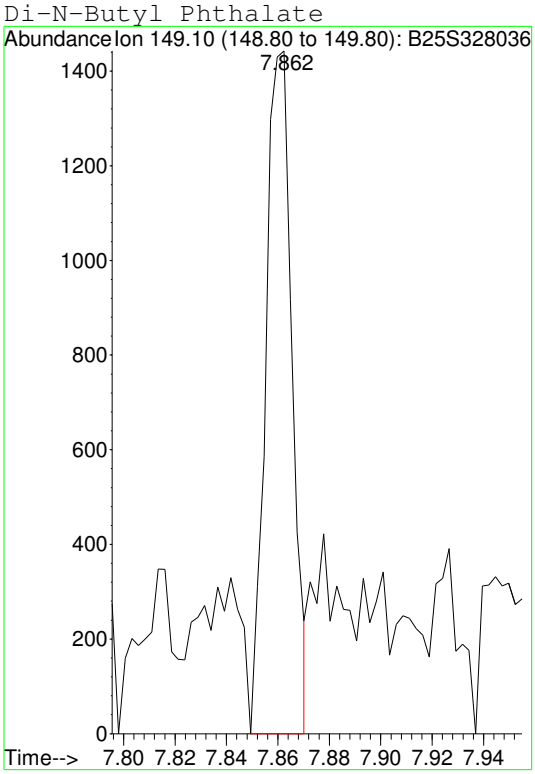
Tue Nov 25 10:53:27 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
4-Nitrophenol



Original Integration
Di-N-Butyl Phthalate



Original Int. Results

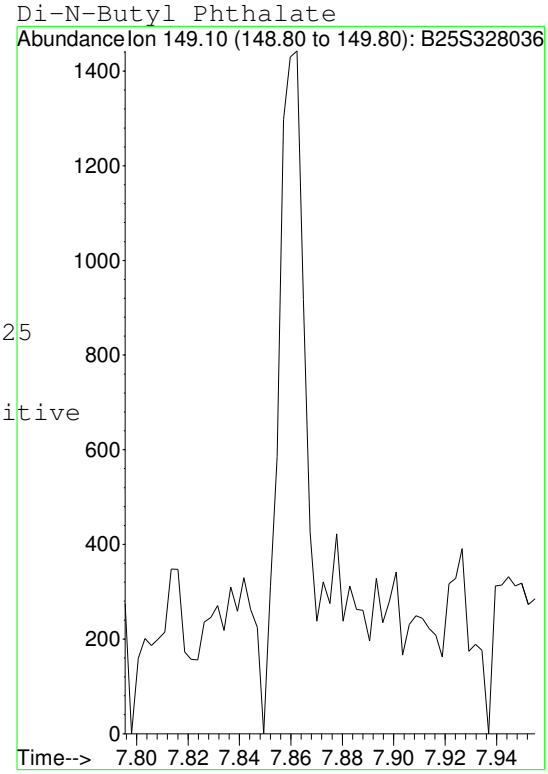
RT : 7.86
Area : 1026
Amount: 0.158158

Manual Int. Results

Tue Nov 25 10:53:43 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

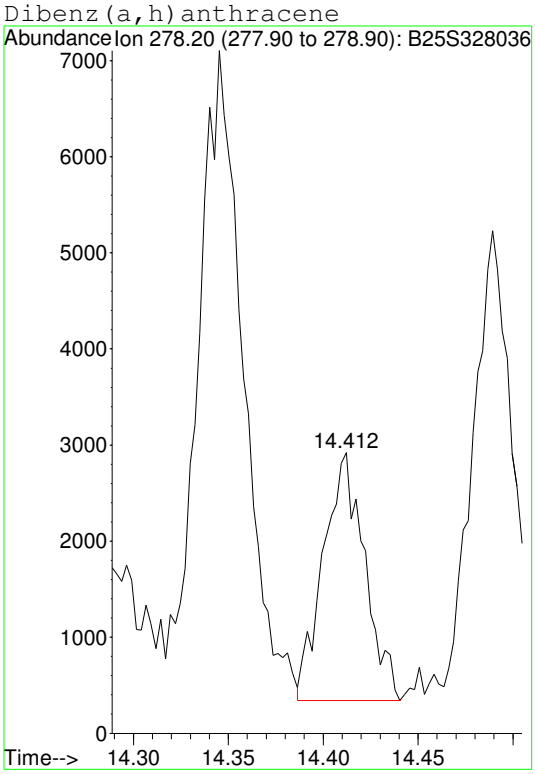
Manual Integration
Di-N-Butyl Phthalate



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328036.D
Acq On : 24 Nov 2025 11:25 pm
Operator : BGL
Sample : 25K1213-07
Misc :

Quant Time : Tue Nov 25 10:54:20 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Dibenz(a,h)anthracene



Original Int. Results

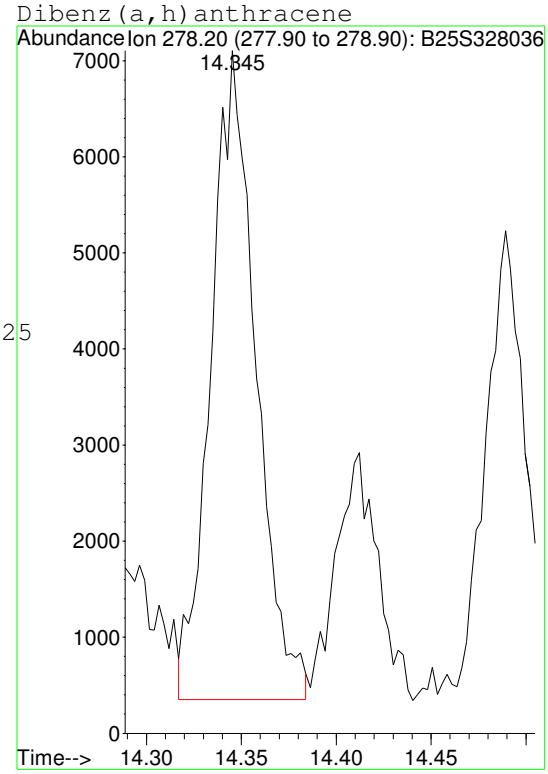
RT : 14.41
Area : 3901
Amount: 0.76872

Manual Int. Results

Tue Nov 25 10:54:20 2025

MIuser: BGL
Reason: Other
RT : 14.35
Area : 11091
Amount: 2.18556

Manual Integration
Dibenz(a,h)anthracene



1 - FORM I
ANALYSIS DATA SHEET

E-1 (2-12in)

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-08	File ID:	B25S328037.D
Sampled:	11/17/25 10:30	Prepared:	11/20/25 15:25	Analyzed:	11/24/25 23:50
Solids:	82.81	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.06 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833
Instrument:	GCMSSV2				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol		0.058	0.81	
1912-24-9	Atrazine		0.056	0.81	
100-52-7	Benzaldehyde		0.057	0.41	L-04, V-05, V-34
92-52-4	Biphenyl		0.046	0.081	
105-60-2	Caprolactam		0.071	0.41	
83-32-9	Acenaphthene	0.0076	0.0045	0.040	J
208-96-8	Acenaphthylene	0.0092	0.0051	0.040	J
98-86-2	Acetophenone		0.043	0.41	
62-53-3	Aniline		0.077	0.41	V-34
120-12-7	Anthracene	0.043	0.0046	0.040	
56-55-3	Benzo(a)anthracene	0.28	0.0063	0.040	
50-32-8	Benzo(a)pyrene	0.33	0.013	0.040	
205-99-2	Benzo(b)fluoranthene	0.45	0.0099	0.040	
191-24-2	Benzo(g,h,i)perylene	0.25	0.016	0.040	
207-08-9	Benzo(k)fluoranthene	0.17	0.0082	0.040	
111-91-1	Bis(2-chloroethoxy)methane		0.041	0.41	
111-44-4	Bis(2-chloroethyl)ether		0.054	0.41	
108-60-1	2,2'-oxybis(1-Chloropropane)		0.16	0.41	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.055	0.41	
101-55-3	4-Bromophenylphenylether		0.036	0.41	
85-68-7	Butylbenzylphthalate		0.046	0.41	
86-74-8	Carbazole		0.042	0.20	
106-47-8	4-Chloroaniline		0.066	0.80	
59-50-7	4-Chloro-3-methylphenol		0.043	0.80	
91-58-7	2-Chloronaphthalene		0.036	0.41	
95-57-8	2-Chlorophenol		0.036	0.41	
7005-72-3	4-Chlorophenylphenylether		0.038	0.41	
218-01-9	Chrysene	0.32	0.0052	0.040	
53-70-3	Dibenz(a,h)anthracene	0.056	0.018	0.040	

1 - FORM I
ANALYSIS DATA SHEET

E-1 (2-12in)

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-08	File ID:	B25S328037.D
Sampled:	11/17/25 10:30	Prepared:	11/20/25 15:25	Analyzed:	11/24/25 23:50
Solids:	82.81	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.06 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
132-64-9	Dibenzofuran		0.040	0.41	
84-74-2	Di-n-butylphthalate		0.16	0.41	
91-94-1	3,3-Dichlorobenzidine		0.073	0.20	
120-83-2	2,4-Dichlorophenol		0.038	0.41	
84-66-2	Diethylphthalate		0.040	0.41	
105-67-9	2,4-Dimethylphenol		0.084	0.41	
131-11-3	Dimethylphthalate		0.036	0.41	
534-52-1	4,6-Dinitro-2-methylphenol		0.34	0.41	
51-28-5	2,4-Dinitrophenol		0.38	0.80	V-04, V-06
121-14-2	2,4-Dinitrotoluene		0.097	0.41	
606-20-2	2,6-Dinitrotoluene		0.051	0.41	
117-84-0	Di-n-octylphthalate		0.060	0.41	
206-44-0	Fluoranthene	0.76	0.0057	0.040	
86-73-7	Fluorene	0.011	0.0048	0.040	J
118-74-1	Hexachlorobenzene		0.041	0.41	
87-68-3	Hexachlorobutadiene		0.042	0.41	
77-47-4	Hexachlorocyclopentadiene		0.20	0.41	
67-72-1	Hexachloroethane		0.037	0.41	
193-39-5	Indeno(1,2,3-cd)pyrene	0.27	0.016	0.040	
78-59-1	Isophorone		0.044	0.41	
90-12-0	1-Methylnaphthalene		0.0051	0.040	
91-57-6	2-Methylnaphthalene		0.0046	0.040	
95-48-7	2-Methylphenol		0.051	0.41	
108-39-4/106-4	3/4-Methylphenol		0.067	0.41	
91-20-3	Naphthalene		0.0058	0.040	
88-74-4	2-Nitroaniline		0.063	0.41	
99-09-2	3-Nitroaniline		0.053	0.41	
100-01-6	4-Nitroaniline		0.058	0.41	
98-95-3	Nitrobenzene		0.046	0.41	

1 - FORM I
ANALYSIS DATA SHEET

E-1 (2-12in)

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-08	File ID:	B25S328037.D
Sampled:	11/17/25 10:30	Prepared:	11/20/25 15:25	Analyzed:	11/24/25 23:50
Solids:	82.81	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.06 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
88-75-5	2-Nitrophenol		0.042	0.41	
100-02-7	4-Nitrophenol		0.16	0.80	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.053	0.41	
621-64-7	N-Nitrosodi-n-propylamine		0.051	0.41	
87-86-5	Pentachlorophenol		0.052	0.41	
85-01-8	Phenanthrene	0.26	0.0041	0.040	
108-95-2	Phenol		0.039	0.41	
129-00-0	Pyrene	0.57	0.0069	0.040	
110-86-1	Pyridine		0.052	0.41	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.039	0.41	
95-95-4	2,4,5-Trichlorophenol		0.041	0.41	
88-06-2	2,4,6-Trichlorophenol		0.036	0.41	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328037.D
Acq On : 24 Nov 2025 11:50 pm
Operator : BGL
Sample : 25K1213-08 Inst : GCMSSV2
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Nov 25 00:05:51 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

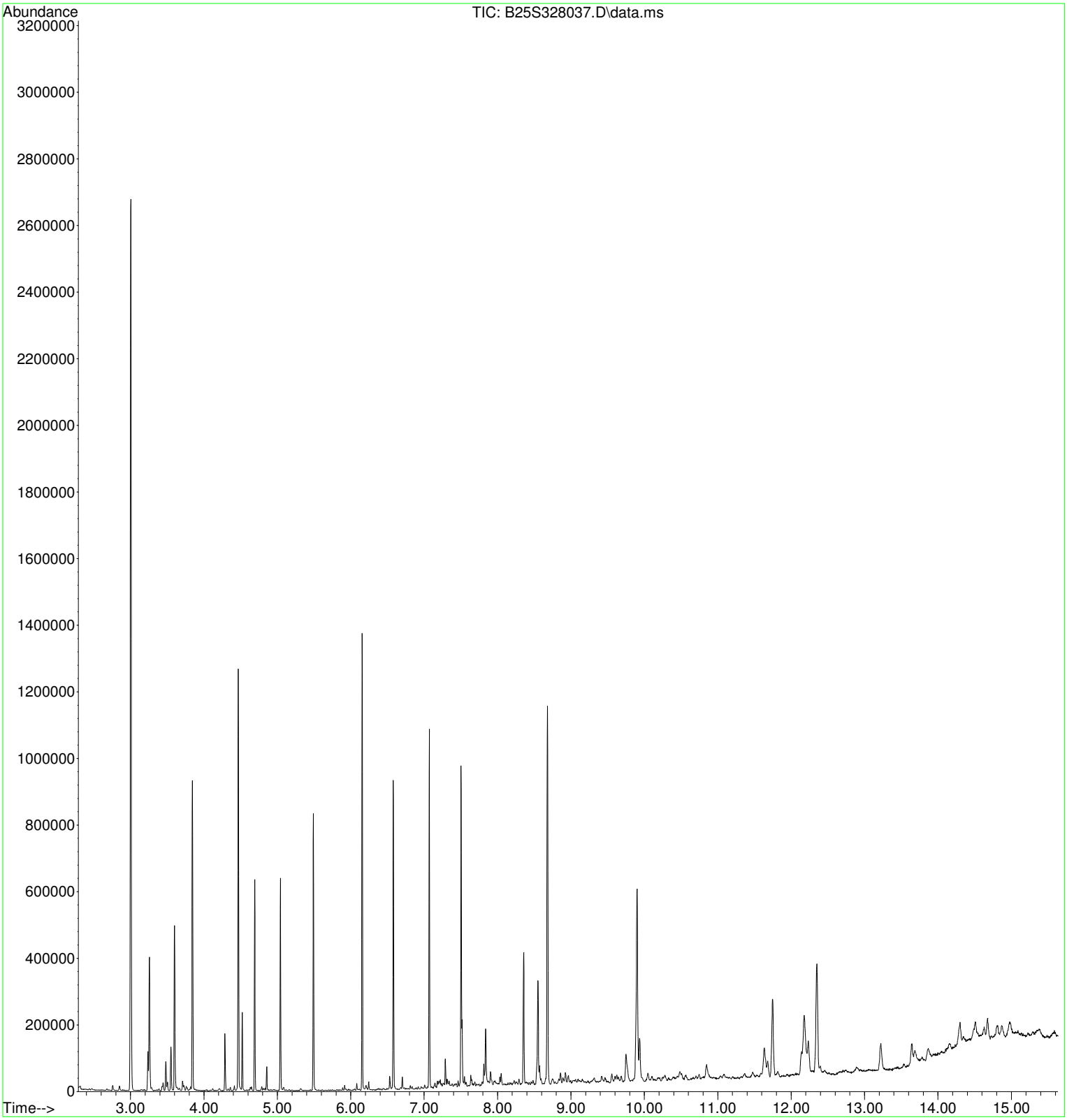
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.692	152	68155	40.00	ug/ml	-0.01
19) NAPHTHALENE-d8	5.492	136	260575	40.00	ug/ml	-0.01
35) ACENAPHTHENE-D10	6.579	164	139212	40.00	ug/ml	-0.01
58) PHENANTHRENE-D10	7.503	188	231543	40.00	ug/ml	-0.01
71) CHRYSENE-D12	9.902	240	215039	40.00	ug/ml	-0.01
80) PERYLENE-D12	12.353	264	193269	40.00	ug/ml	0.00
88) 1,4-Dichlorobenzene-D4...	4.692	152	68155	40.00	ug/ml	-0.01
92) NAPHTHALENE-d8 (2)	5.492	136	260575	40.00	ug/ml	-0.01
95) ACENAPHTHENE-D10 (2)	6.579	164	139212	40.00	ug/ml	-0.01
System Monitoring Compounds						
2) 2-Fluorophenol	3.843	112	197591	103.77	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 51.89%			
3) Phenol-d6	4.468	99	327223	104.22	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 52.11%			
20) Nitrobenzene-d5	5.042	82	141084	54.40	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 54.40%			
36) 2-Fluorobiphenyl	6.155	172	275773	60.01	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 60.01%			
37) 2,4,6-Tribromophenol	7.071	330	79327	128.31	ug/ml	-0.01
Spiked Amount 200.000	Range 30 - 130		Recovery = 64.16%			
72) p-Terphenyl-d14	8.680	244	310385	69.70	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 69.70%			
Target Compounds						Qvalue
26) Benzoic Acid	5.314	122	887m	0.69	ug/ml	
47) Acenaphthylene	6.494	152	1521	0.23	ug/ml	97
49) Acenaphthene	6.600	154	858	0.19	ug/ml	97
56) Flourene	6.919	166	1383	0.28	ug/ml	90
66) Phenanthrene	7.518	178	46620	6.45	ug/ml	98
67) Anthracene	7.549	178	7748	1.07	ug/ml	88
68) Carbazole	7.649	167	4764	0.71	ug/ml	94
70) Flouranthene	8.356	202	134677	18.84	ug/ml	98
74) Pyrene	8.552	202	111909	14.19	ug/ml	96
77) Benzo(a)anthracene	9.886	228	50474	6.96	ug/ml	97
78) Chrysene	9.935	228	57750	8.05	ug/ml	97
79) Bis(2-ethylhexyl)phtha...	9.951	149	3334	1.01	ug/ml	90
82) Benzo(b)fluoranthene	11.630	252	66877	11.28	ug/ml	97
83) Benzo(k)fluoranthene	11.679	252	24605	4.18	ug/ml	97
84) Benzo(a)pyrene	12.237	252	44598	8.12	ug/ml	91
85) Indeno(1,2,3-cd)pyrene	14.302	276	33331	6.82	ug/ml	93
86) Dibenz(a,h)anthracene	14.348	278	7133m	1.39	ug/ml	
87) Benzo(g,h,i)perylene	14.675	276	33895	6.25	ug/ml	94
90) Benzaldehyde	4.417	106	1684	0.74	ug/ml	91

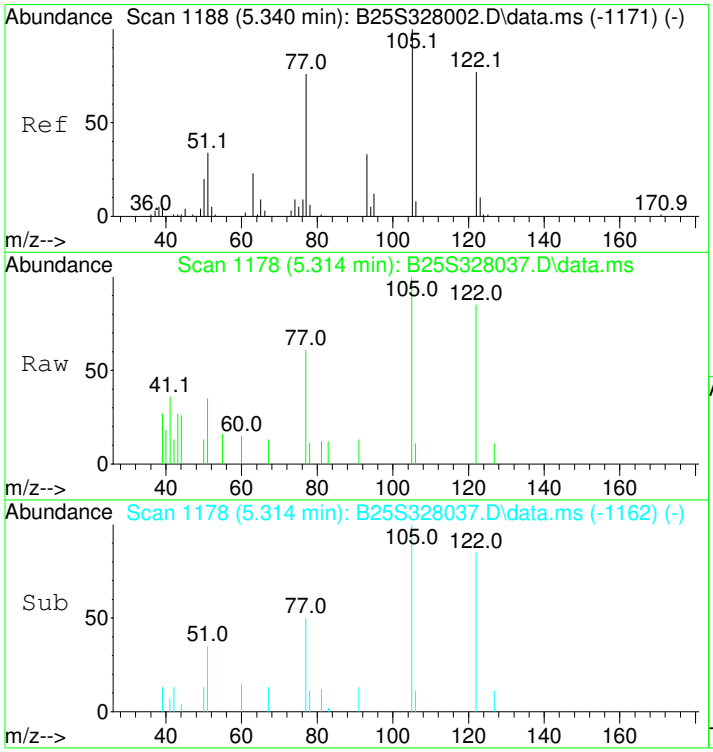
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328037.D
Acq On : 24 Nov 2025 11:50 pm
Operator : BGL
Sample : 25K1213-08 Inst : GCMSSV2
Misc :
ALS Vial : 37 Sample Multiplier: 1

315

Quant Time: Nov 25 00:05:51 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

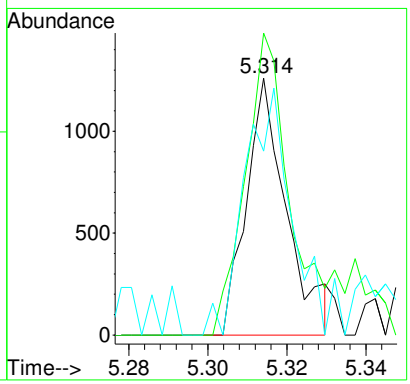


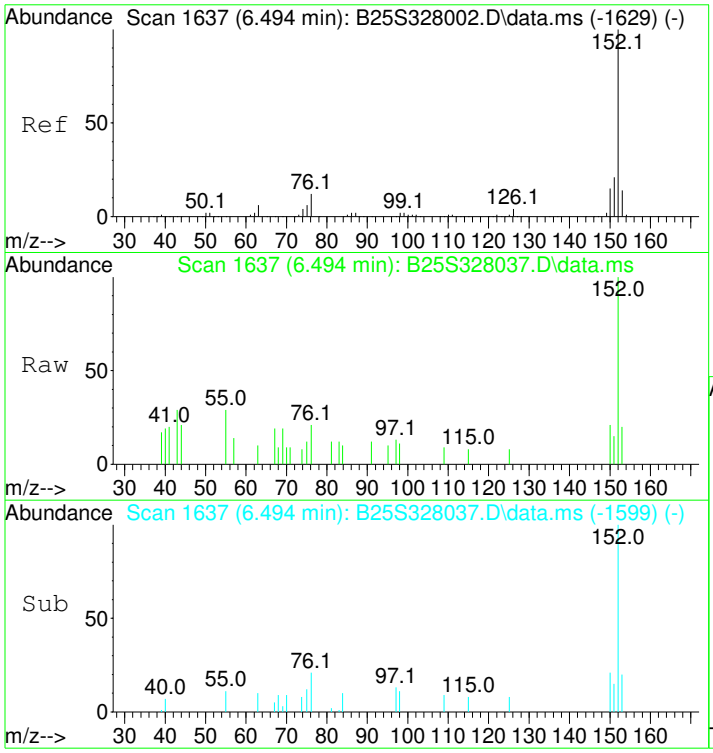


#26
Benzoic Acid
Concen: 0.69 ug/ml m
RT: 5.314 min Scan# 1178
Delta R.T. -0.026 min
Lab File: B25S328037.D
Acq: 24 Nov 2025 11:50 pm

Tgt Ion:122 Resp: 887

Ion	Ratio	Lower	Upper
122	100		
105	16.5	95.4	135.4#
77	23.6	64.2	104.2#

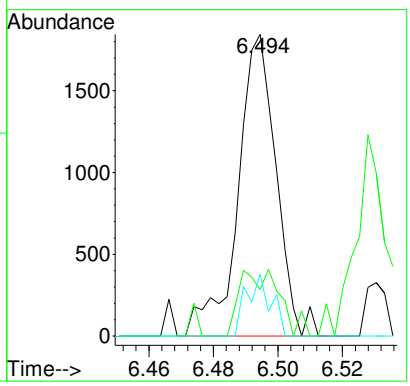


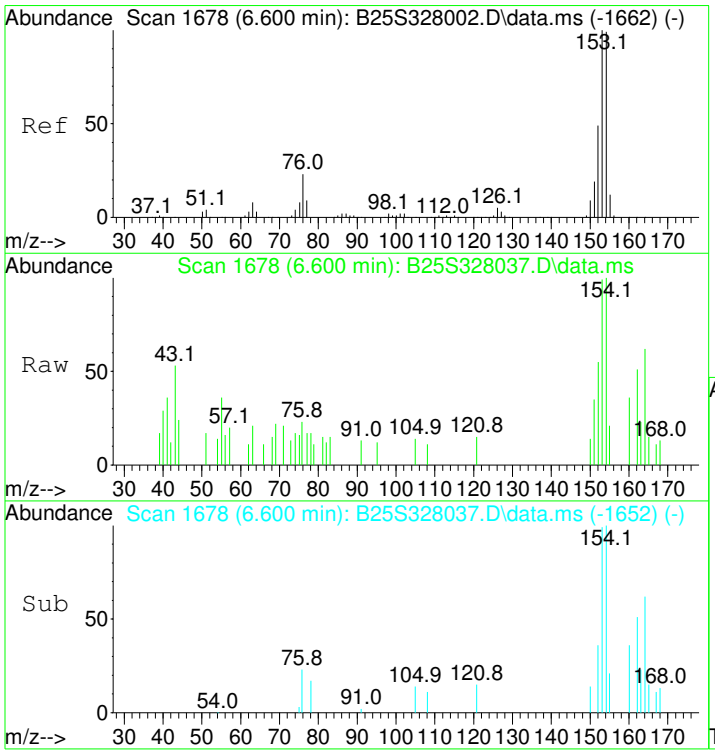


#47
Acenaphthylene
Concen: 0.23 ug/ml
RT: 6.494 min Scan# 1637
Delta R.T. -0.010 min
Lab File: B25S328037.D
Acq: 24 Nov 2025 11:50 pm

Tgt Ion:152 Resp: 1521

Ion	Ratio	Lower	Upper
152	100		
151	23.2	1.0	41.0
153	13.1	0.0	33.1

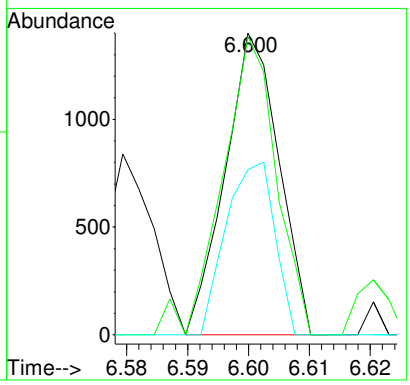


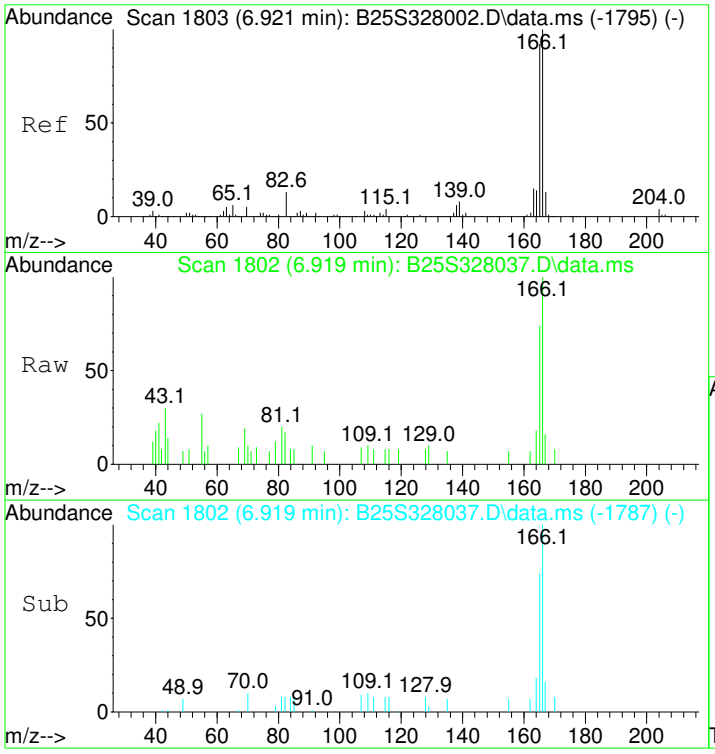


#49
Acenaphthene
Concen: 0.19 ug/ml
RT: 6.600 min Scan# 1678
Delta R.T. -0.013 min
Lab File: B25S328037.D
Acq: 24 Nov 2025 11:50 pm

Tgt Ion:154 Resp: 858

Ion	Ratio	Lower	Upper
154	100		
153	99.7	77.8	117.8
152	51.9	28.0	68.0

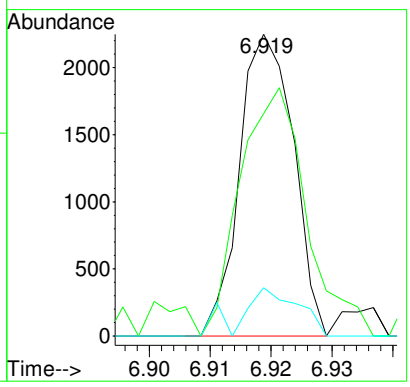


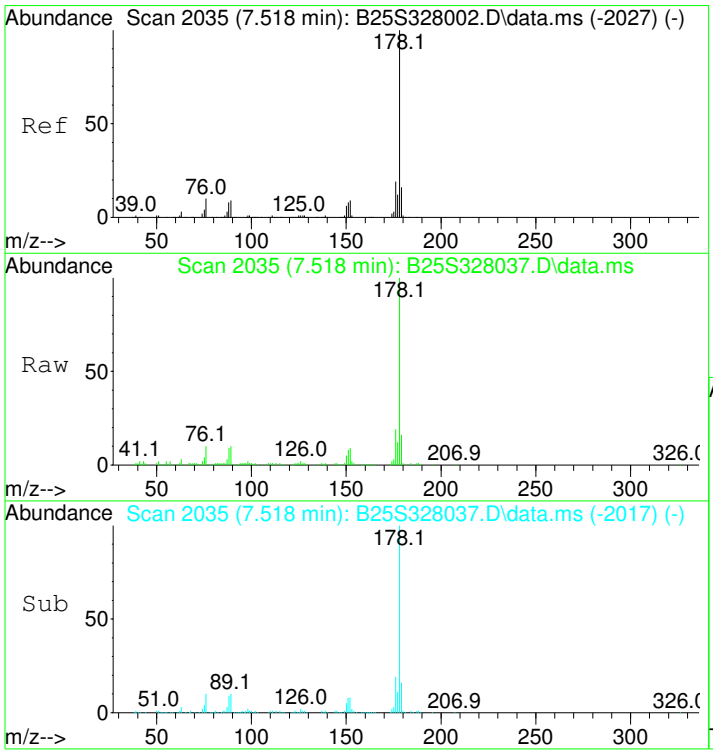


#56
Flourene
Concen: 0.28 ug/ml
RT: 6.919 min Scan# 1802
Delta R.T. -0.013 min
Lab File: B25S328037.D
Acq: 24 Nov 2025 11:50 pm

Tgt Ion:166 Resp: 1383

Ion	Ratio	Lower	Upper
166	100		
165	100.9	71.4	111.4
167	17.1	0.0	33.6

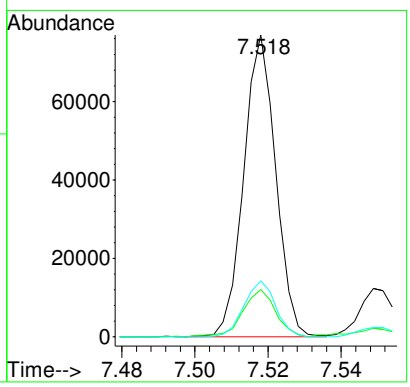


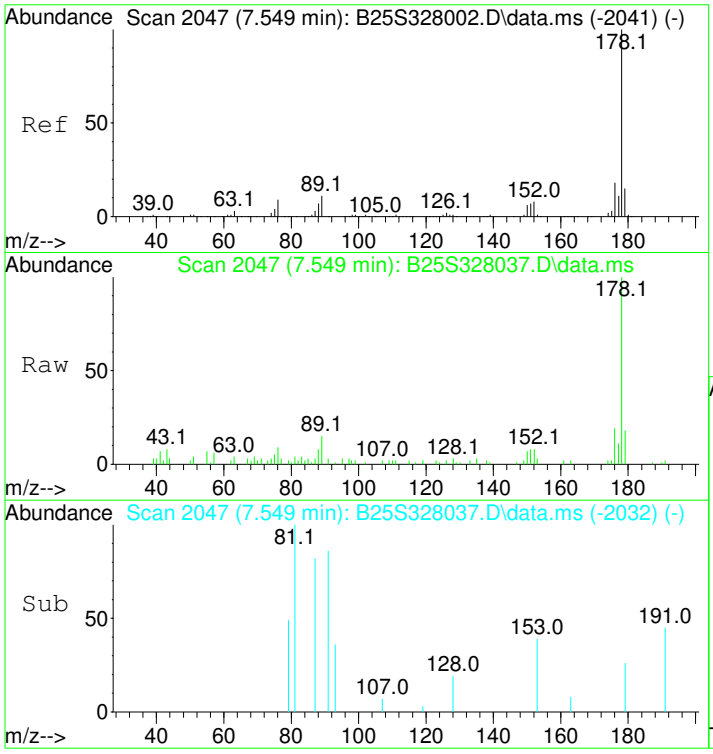


#66
Phenanthrene
Concen: 6.45 ug/ml
RT: 7.518 min Scan# 2035
Delta R.T. -0.010 min
Lab File: B25S328037.D
Acq: 24 Nov 2025 11:50 pm

Tgt Ion:178 Resp: 46620

Ion	Ratio	Lower	Upper
178	100		
179	16.3	0.0	35.5
176	18.4	0.0	39.0

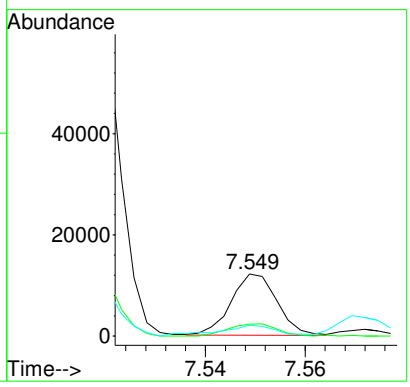


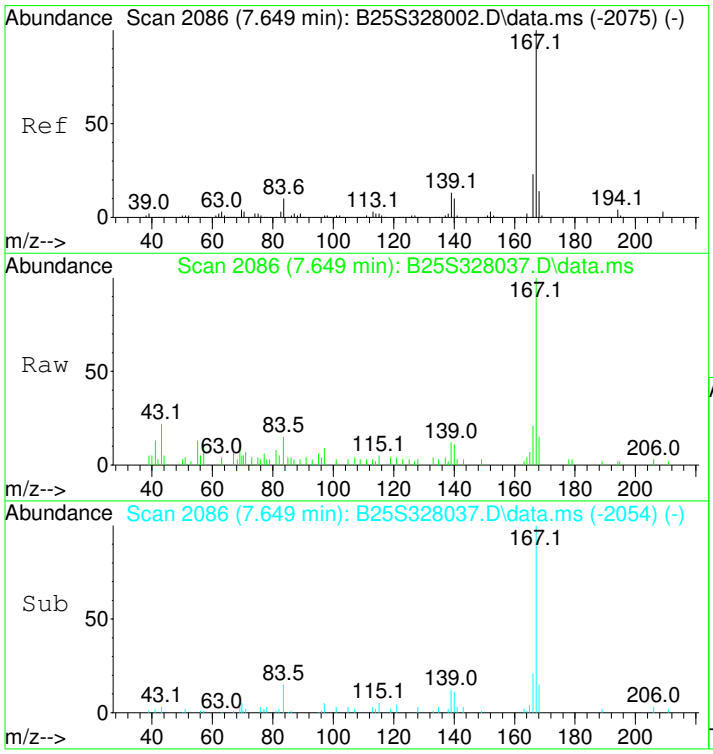


#67
Anthracene
Concen: 1.07 ug/ml
RT: 7.549 min Scan# 2047
Delta R.T. -0.013 min
Lab File: B25S328037.D
Acq: 24 Nov 2025 11:50 pm

Tgt Ion:178 Resp: 7748

Ion	Ratio	Lower	Upper
178	100		
176	21.3	0.0	38.3
179	23.0	0.0	35.5

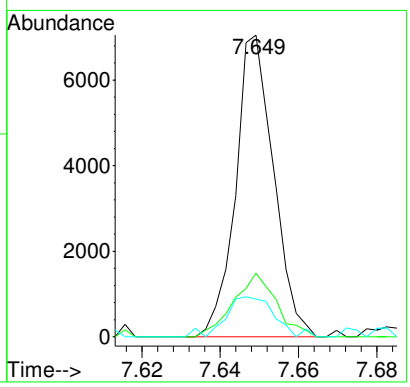


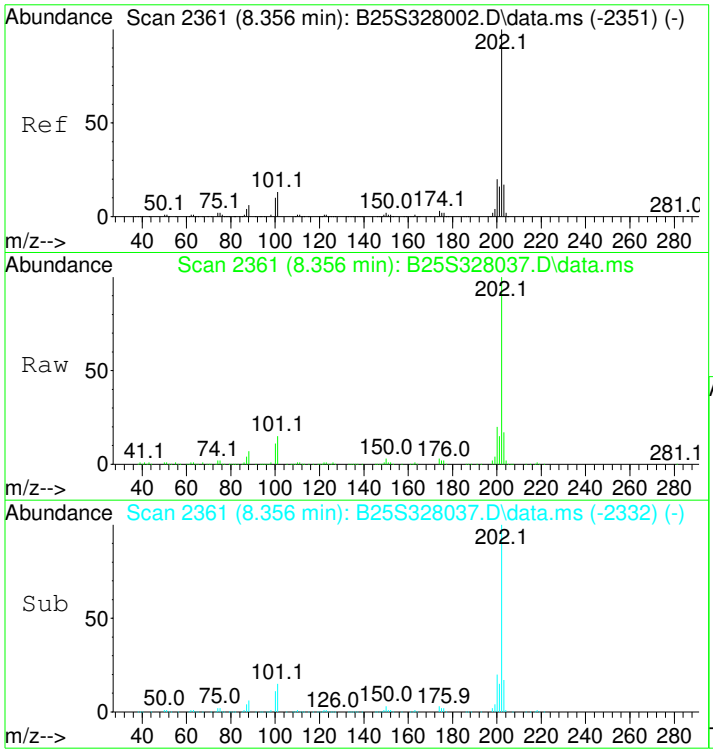


#68
Carbazole
Concen: 0.71 ug/ml
RT: 7.649 min Scan# 2086
Delta R.T. -0.008 min
Lab File: B25S328037.D
Acq: 24 Nov 2025 11:50 pm

Tgt Ion:167 Resp: 4764

Ion	Ratio	Lower	Upper
167	100		
166	23.7	1.9	41.9
139	17.0	0.0	33.5

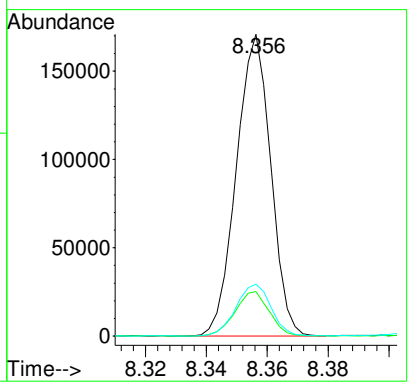


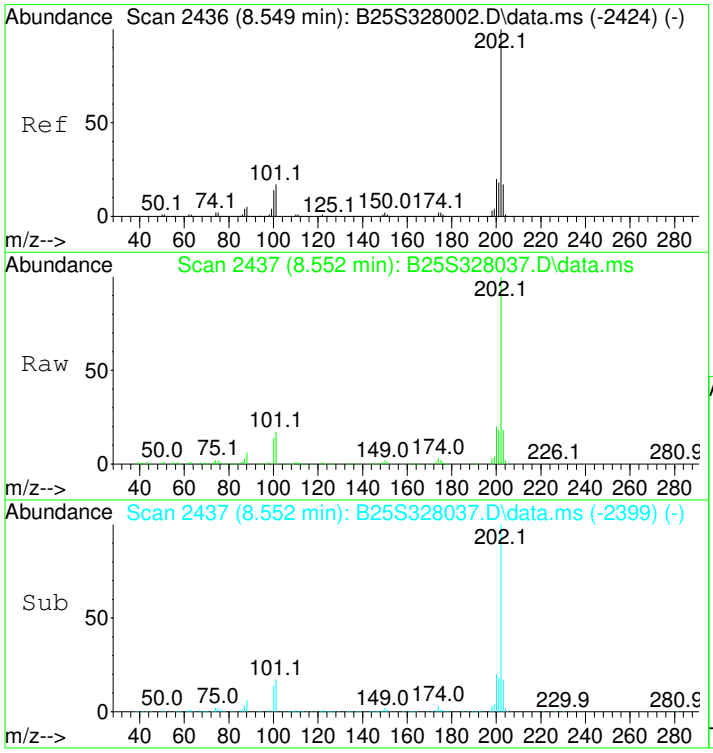


#70
Flouranthene
Concen: 18.84 ug/ml
RT: 8.356 min Scan# 2361
Delta R.T. -0.010 min
Lab File: B25S328037.D
Acq: 24 Nov 2025 11:50 pm

Tgt Ion:202 Resp: 134677

Ion	Ratio	Lower	Upper
202	100		
101	14.8	0.0	36.2
203	17.5	0.0	37.5

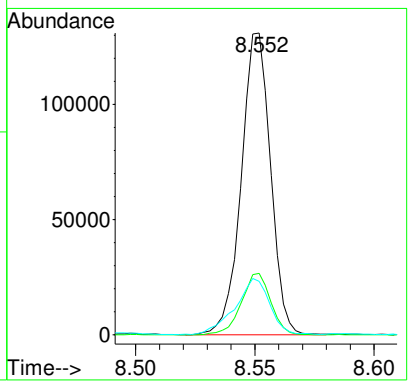


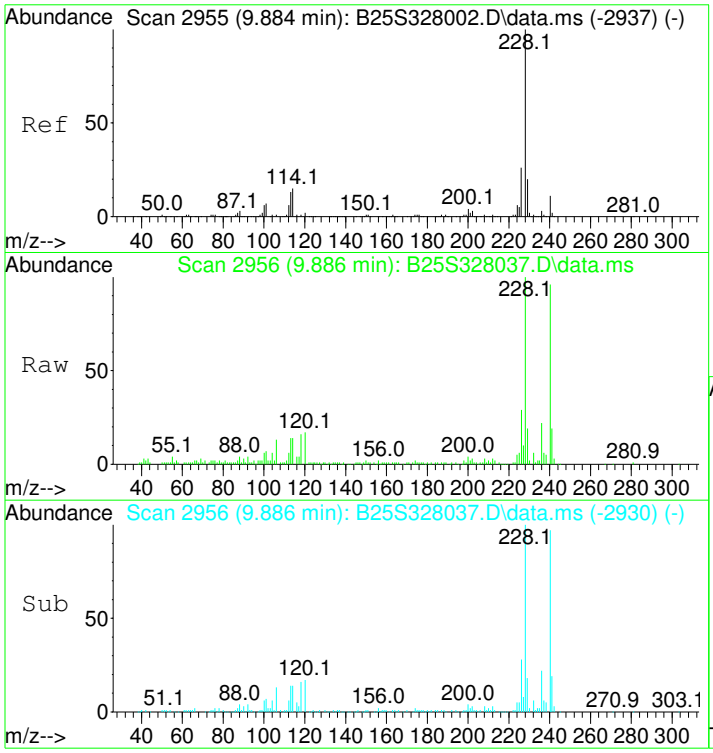


#74
Pyrene
Concen: 14.19 ug/ml
RT: 8.552 min Scan# 2437
Delta R.T. -0.010 min
Lab File: B25S328037.D
Acq: 24 Nov 2025 11:50 pm

Tgt Ion:202 Resp: 111909

Ion	Ratio	Lower	Upper
202	100		
200	20.4	0.1	40.1
203	22.0	0.0	38.1

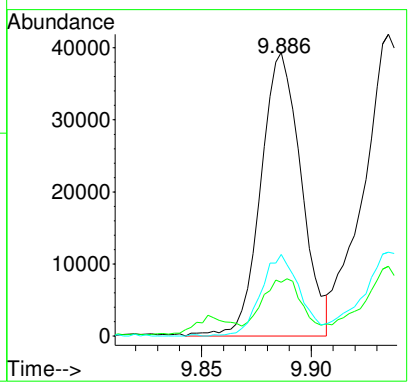


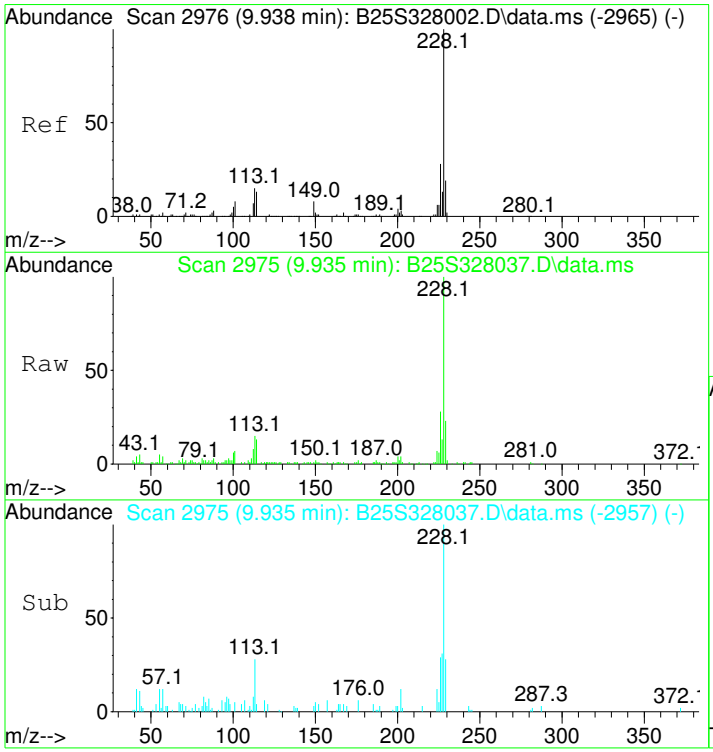


#77
Benzo(a)anthracene
Concen: 6.96 ug/ml
RT: 9.886 min Scan# 2956
Delta R.T. -0.015 min
Lab File: B25S328037.D
Acq: 24 Nov 2025 11:50 pm

Tgt Ion:228 Resp: 50474

Ion	Ratio	Lower	Upper
228	100		
229	18.9	0.0	38.9
226	27.5	4.9	44.9

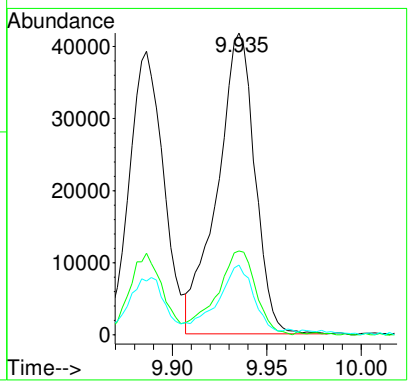


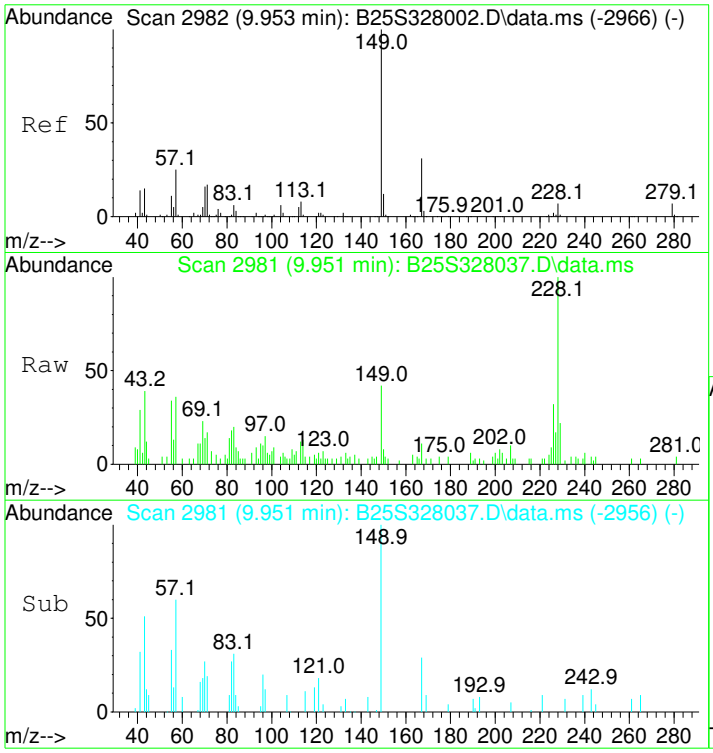


#78
Chrysene
Concen: 8.05 ug/ml
RT: 9.935 min Scan# 2975
Delta R.T. -0.018 min
Lab File: B25S328037.D
Acq: 24 Nov 2025 11:50 pm

Tgt Ion:228 Resp: 57750

Ion	Ratio	Lower	Upper
228	100		
226	29.6	8.1	48.1
229	20.1	0.0	38.9

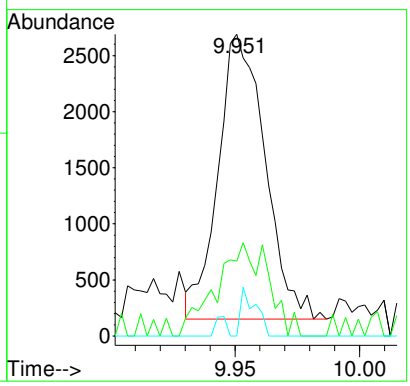


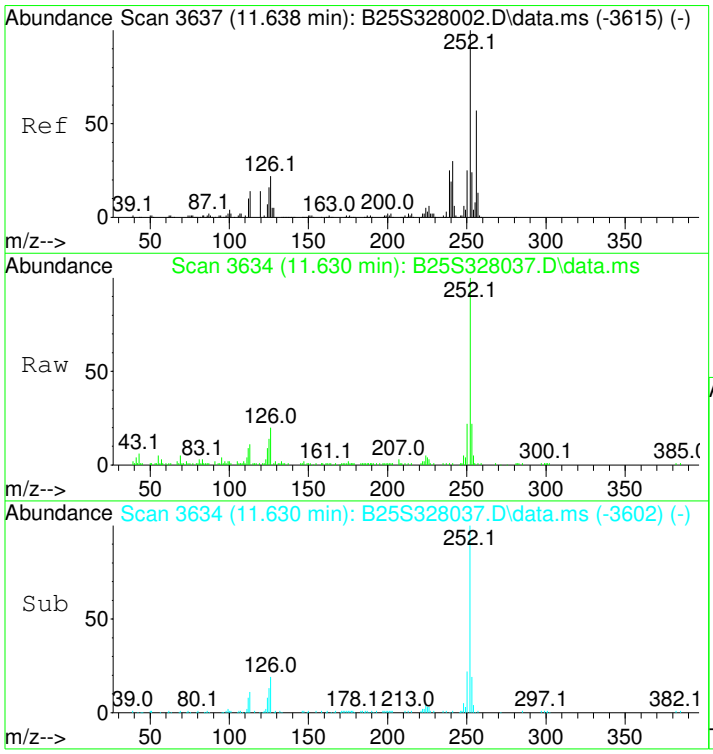


#79
Bis(2-ethylhexyl)phthalate
Concen: 1.01 ug/ml
RT: 9.951 min Scan# 2981
Delta R.T. -0.026 min
Lab File: B25S328037.D
Acq: 24 Nov 2025 11:50 pm

Tgt Ion:149 Resp: 3334

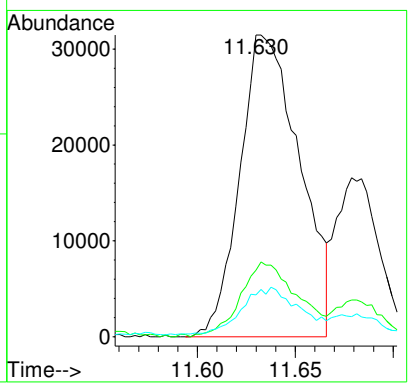
Ion	Ratio	Lower	Upper
149	100		
167	36.3	10.2	50.2
279	5.4	0.0	27.3

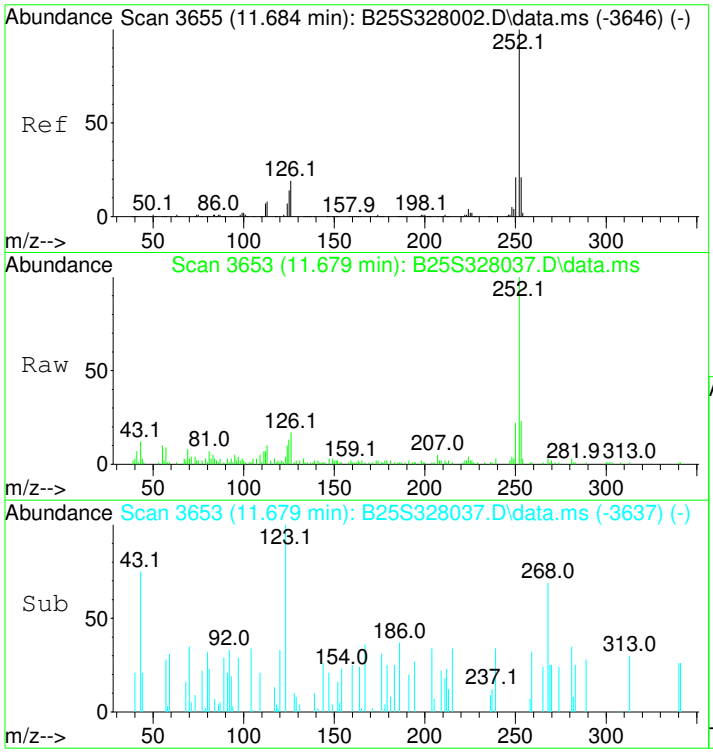




#82
Benzo(b)fluoranthene
Concen: 11.28 ug/ml
RT: 11.630 min Scan# 3634
Delta R.T. -0.023 min
Lab File: B25S328037.D
Acq: 24 Nov 2025 11:50 pm

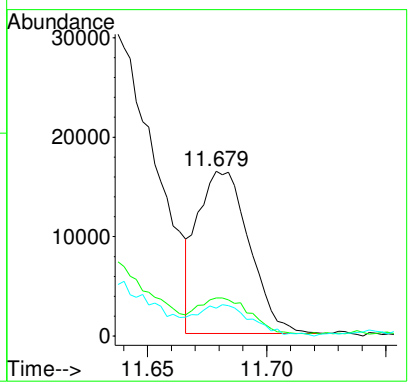
Tgt Ion:252	Resp:	66877	
Ion	Ratio	Lower	Upper
252	100		
253	23.5	2.2	42.2
125	15.5	0.0	34.5

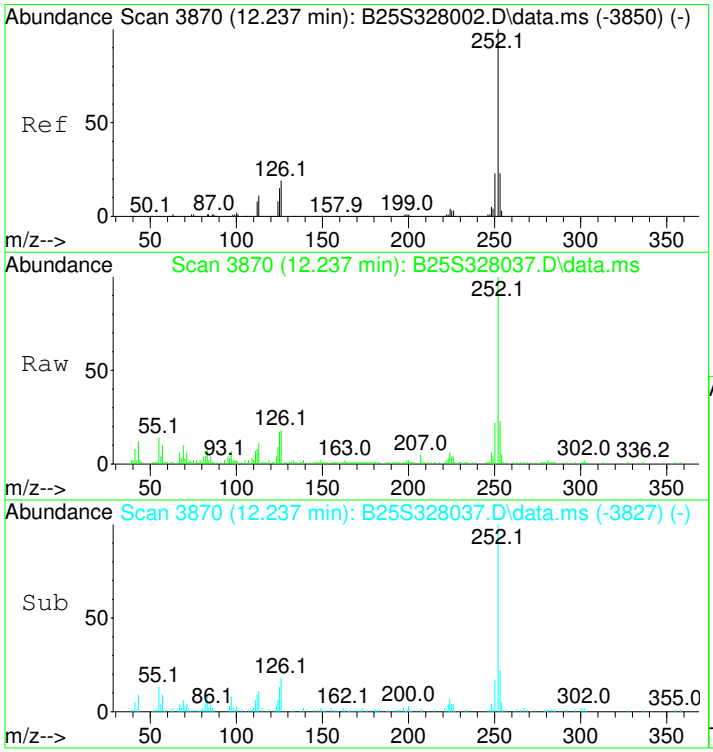




#83
Benzo(k)fluoranthene
Concen: 4.18 ug/ml
RT: 11.679 min Scan# 3653
Delta R.T. -0.026 min
Lab File: B25S328037.D
Acq: 24 Nov 2025 11:50 pm

Tgt Ion:252	Resp:	24605	
Ion	Ratio	Lower	Upper
252	100		
253	22.7	0.7	40.7
126	18.4	0.0	39.4

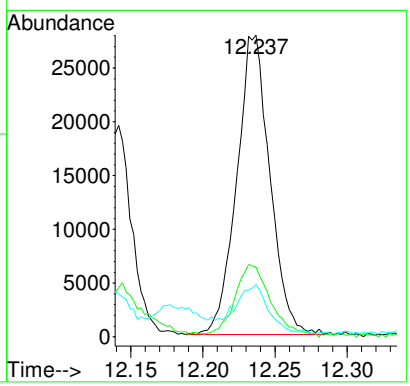


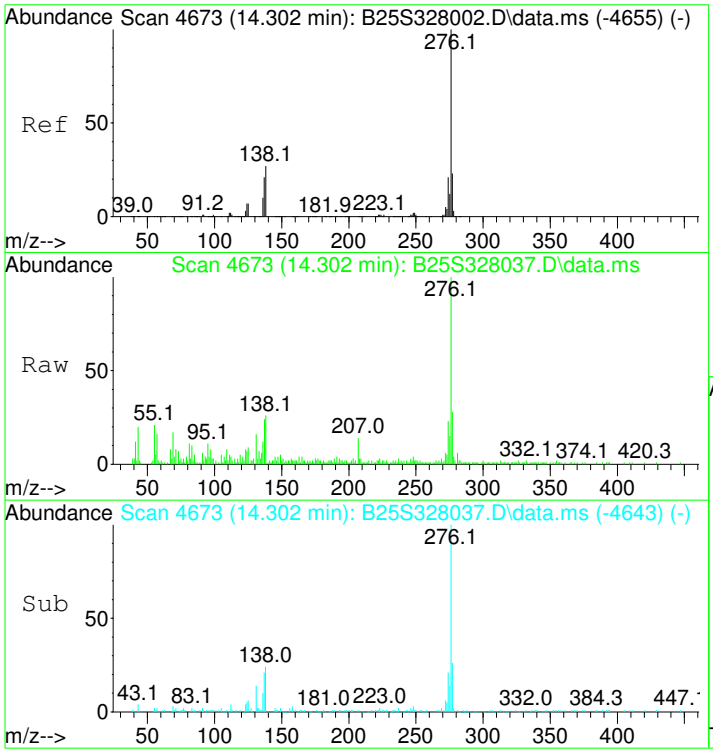


#84
Benzo(a)pyrene
Concen: 8.12 ug/ml
RT: 12.237 min Scan# 3870
Delta R.T. -0.015 min
Lab File: B25S328037.D
Acq: 24 Nov 2025 11:50 pm

Tgt Ion:252 Resp: 44598

Ion	Ratio	Lower	Upper
252	100		
253	26.5	0.4	40.4
125	15.6	0.0	34.0

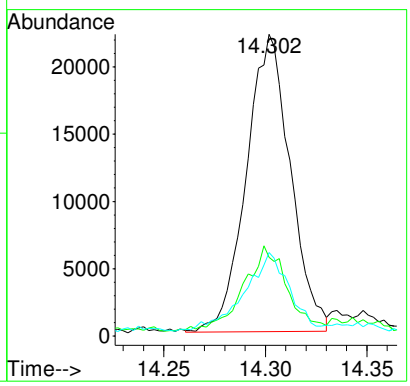


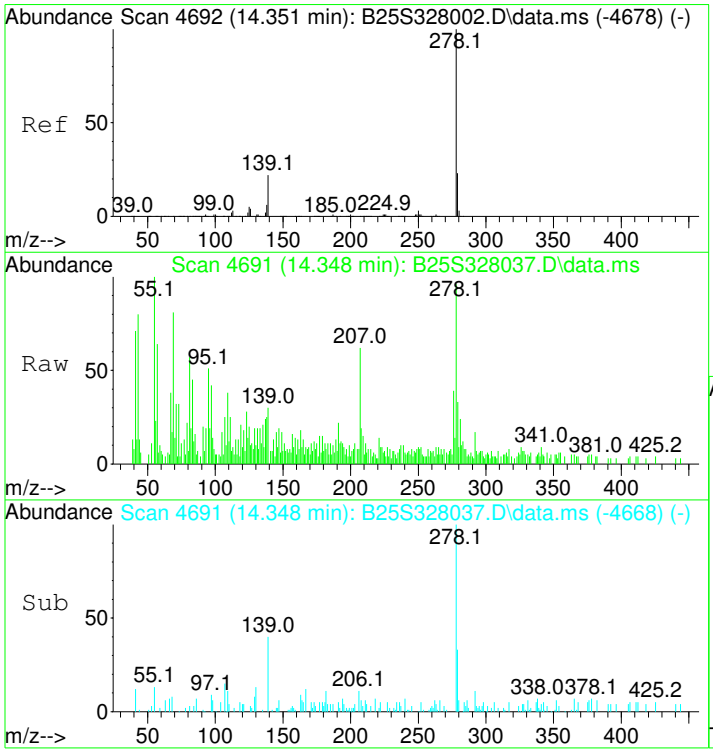


#85
Indeno(1,2,3-cd)pyrene
Concen: 6.82 ug/ml
RT: 14.302 min Scan# 4673
Delta R.T. -0.013 min
Lab File: B25S328037.D
Acq: 24 Nov 2025 11:50 pm

Tgt Ion:276 Resp: 33331

Ion	Ratio	Lower	Upper
276	100		
138	28.6	5.0	45.0
277	27.1	4.1	44.1

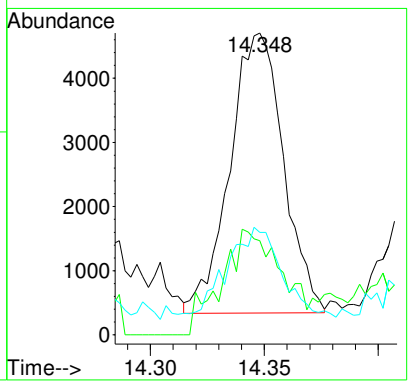


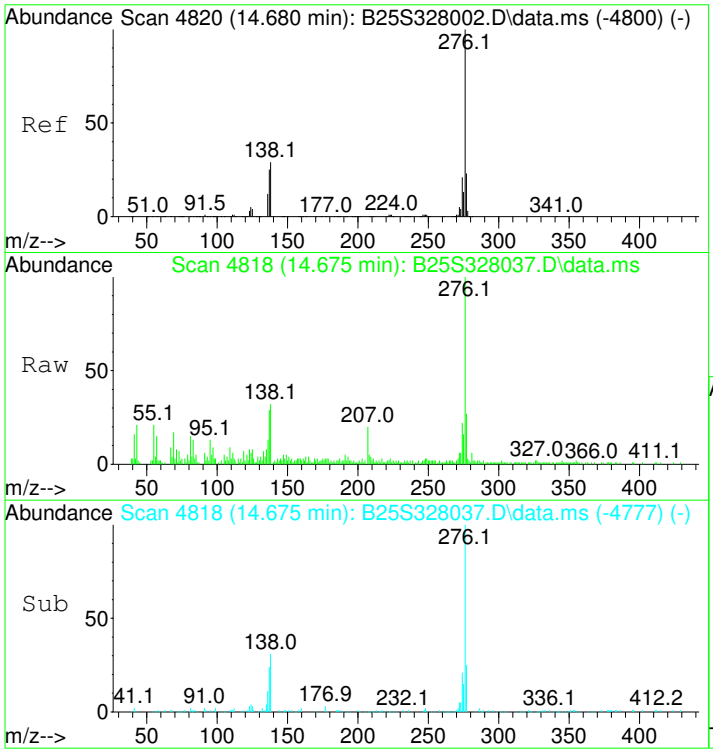


#86
Dibenz(a,h)anthracene
Concen: 1.39 ug/ml m
RT: 14.348 min Scan# 4691
Delta R.T. -0.013 min
Lab File: B25S328037.D
Acq: 24 Nov 2025 11:50 pm

Tgt Ion:278 Resp: 7133

Ion	Ratio	Lower	Upper
278	100		
139	39.8	1.1	41.1
279	34.3	3.5	43.5

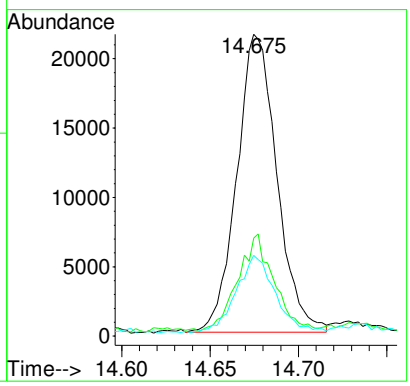


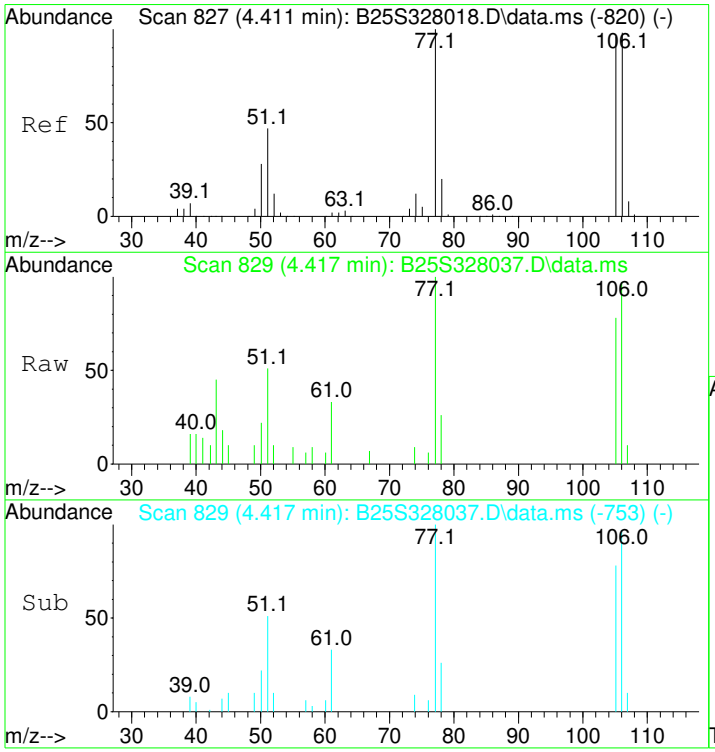


#87
Benzo(g,h,i)perylene
Concen: 6.25 ug/ml
RT: 14.675 min Scan# 4818
Delta R.T. -0.013 min
Lab File: B25S328037.D
Acq: 24 Nov 2025 11:50 pm

Tgt Ion:276 Resp: 33895

Ion	Ratio	Lower	Upper
276	100		
138	30.0	5.6	45.6
277	25.0	3.2	43.2

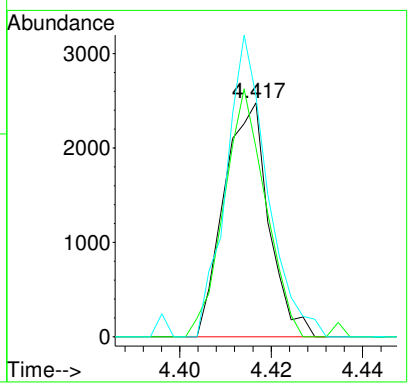




#90
Benzaldehyde
Concen: 0.74 ug/ml
RT: 4.417 min Scan# 829
Delta R.T. -0.005 min
Lab File: B25S328037.D
Acq: 24 Nov 2025 11:50 pm

Tgt Ion:106 Resp: 1684

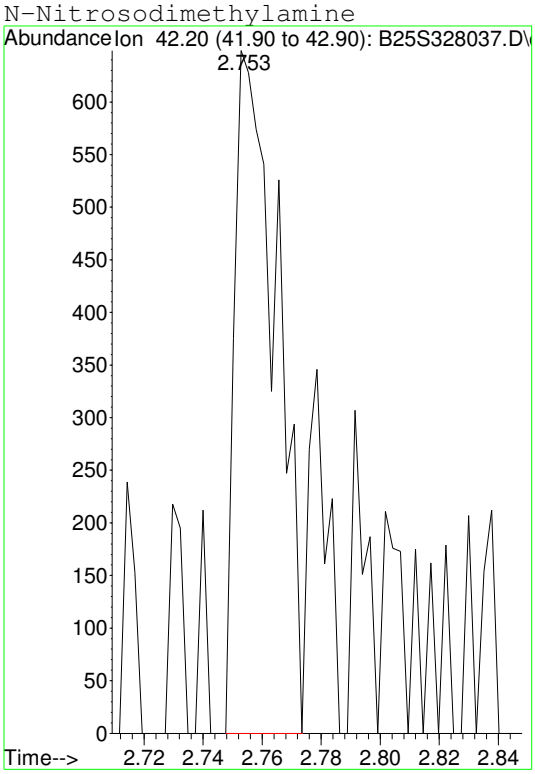
Ion	Ratio	Lower	Upper
106	100		
105	98.8	79.4	119.2
77	119.5	81.3	121.9



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328037.D
Acq On : 24 Nov 2025 11:50 pm
Operator : BGL
Sample : 25K1213-08
Misc :

Quant Time : Tue Nov 25 10:56:53 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
N-Nitrosodimethylamine



Original Int. Results

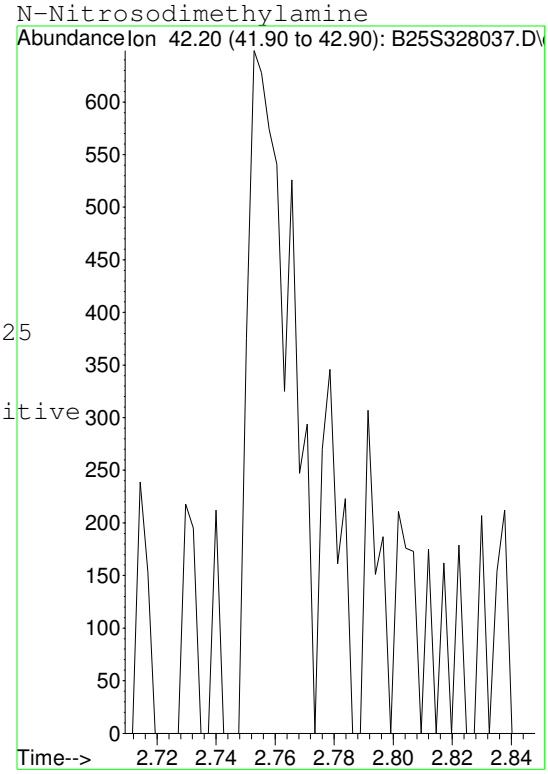
RT : 2.75
Area : 642
Amount: 0.528988

Manual Int. Results

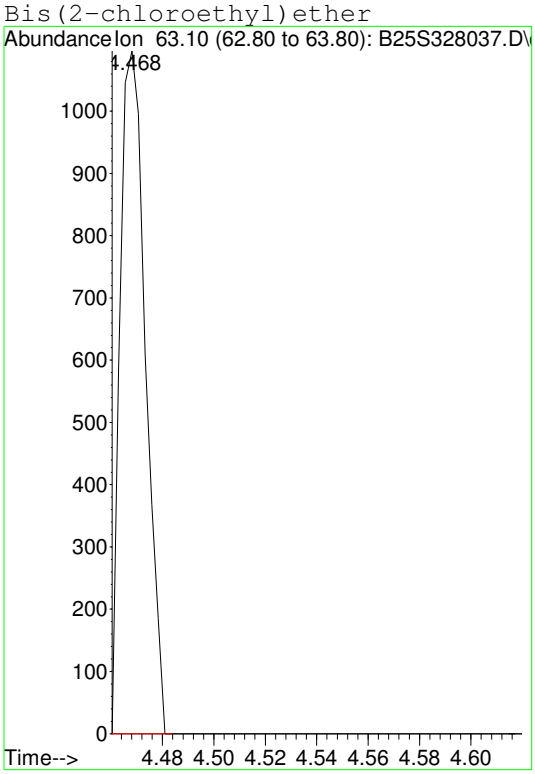
Tue Nov 25 10:55:47 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
N-Nitrosodimethylamine



Original Integration
Bis(2-chloroethyl)ether



Original Int. Results

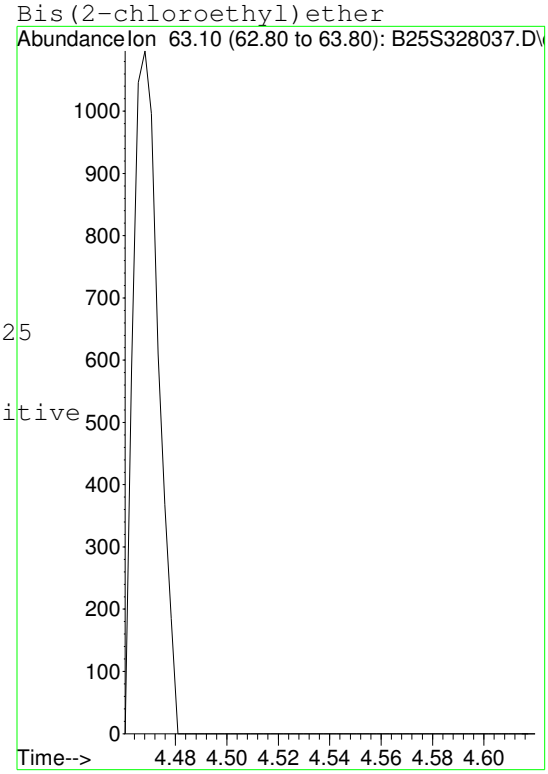
RT : 4.47
Area : 778
Amount: 0.44486

Manual Int. Results

Tue Nov 25 10:55:50 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

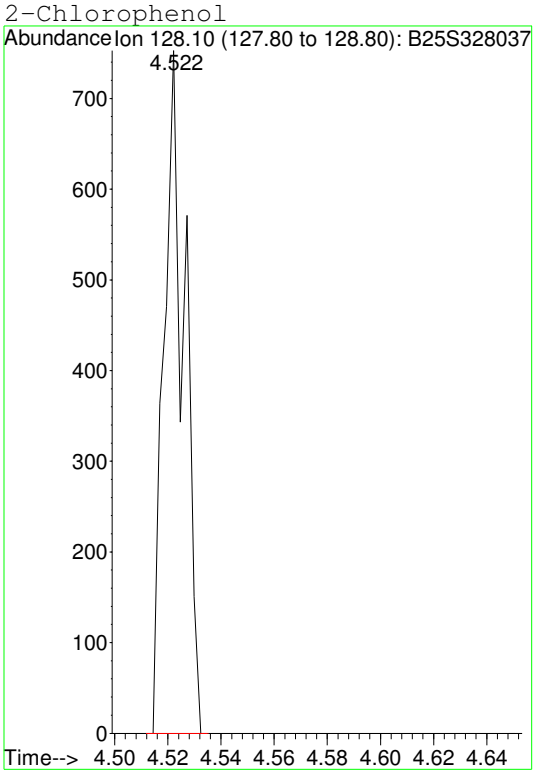
Manual Integration
Bis(2-chloroethyl)ether



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328037.D
Acq On : 24 Nov 2025 11:50 pm
Operator : BGL
Sample : 25K1213-08
Misc :

Quant Time : Tue Nov 25 10:56:53 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
2-Chlorophenol



Original Int. Results

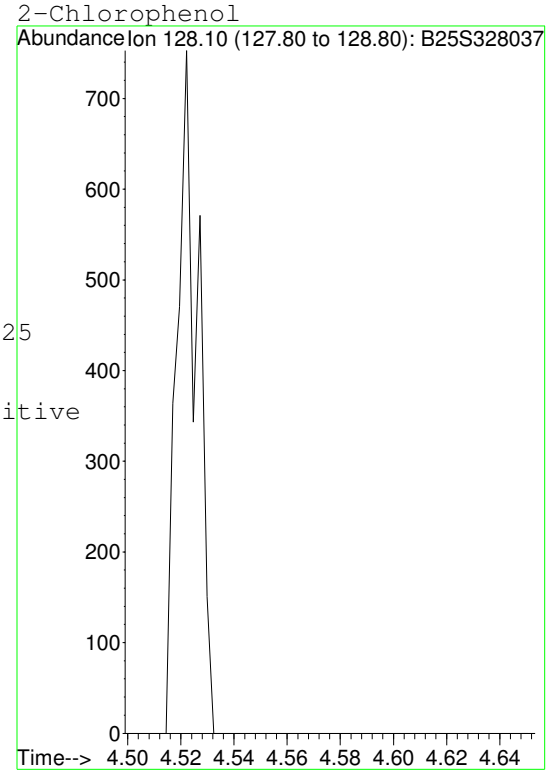
RT : 4.52
Area : 409
Amount: 0.152451

Manual Int. Results

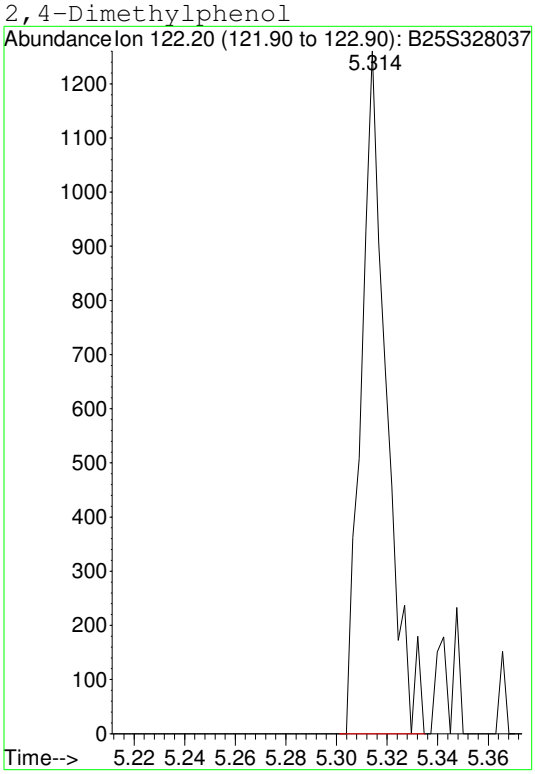
Tue Nov 25 10:55:53 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2-Chlorophenol



Original Integration
2,4-Dimethylphenol



Original Int. Results

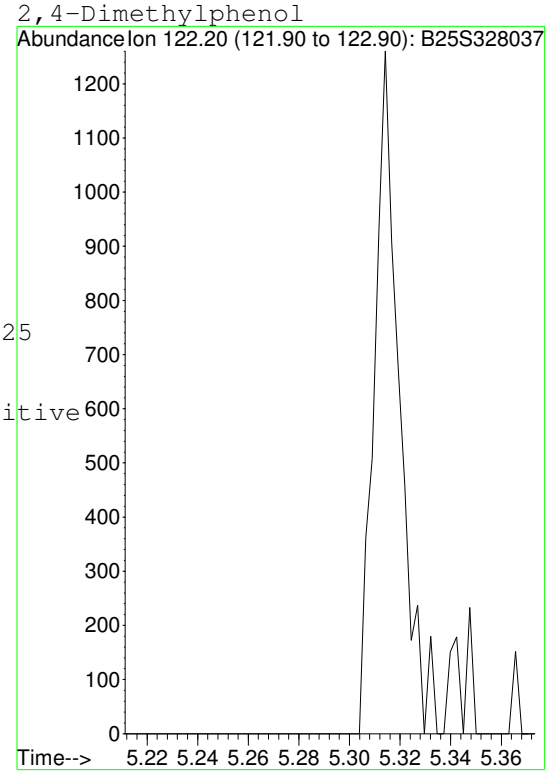
RT : 5.31
Area : 876
Amount: 0.420936

Manual Int. Results

Tue Nov 25 10:55:55 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

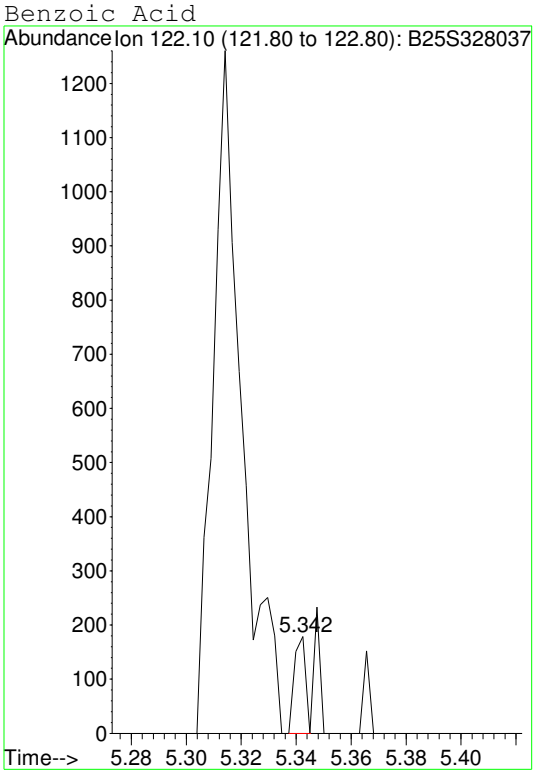
Manual Integration
2,4-Dimethylphenol



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328037.D
Acq On : 24 Nov 2025 11:50 pm
Operator : BGL
Sample : 25K1213-08
Misc :

Quant Time : Tue Nov 25 10:56:53 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Benzoic Acid



Original Int. Results

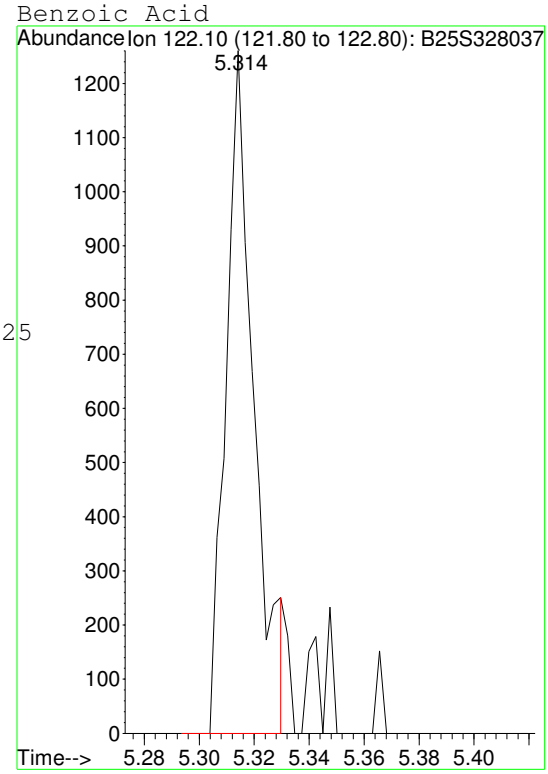
RT : 5.34
Area : 51
Amount: 0.0396431

Manual Int. Results

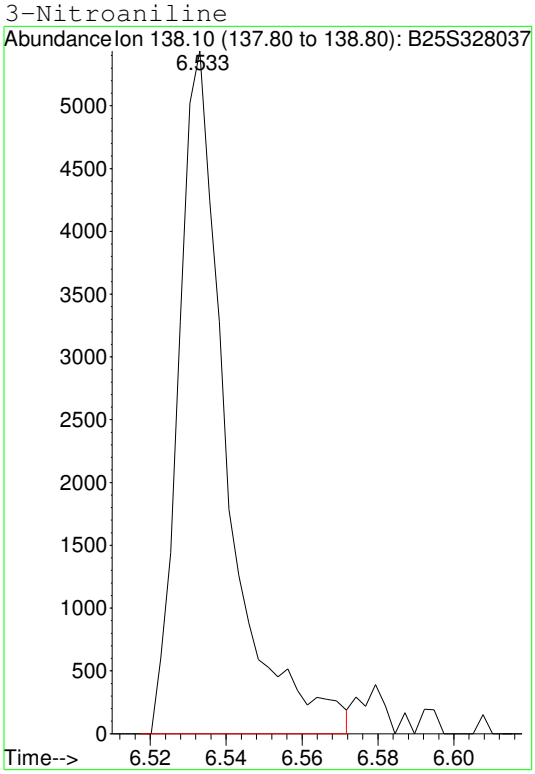
Tue Nov 25 10:55:59 2025

MIuser: BGL
Reason: Other
RT : 5.31
Area : 887
Amount: 0.689479

Manual Integration
Benzoic Acid



Original Integration
3-Nitroaniline



Original Int. Results

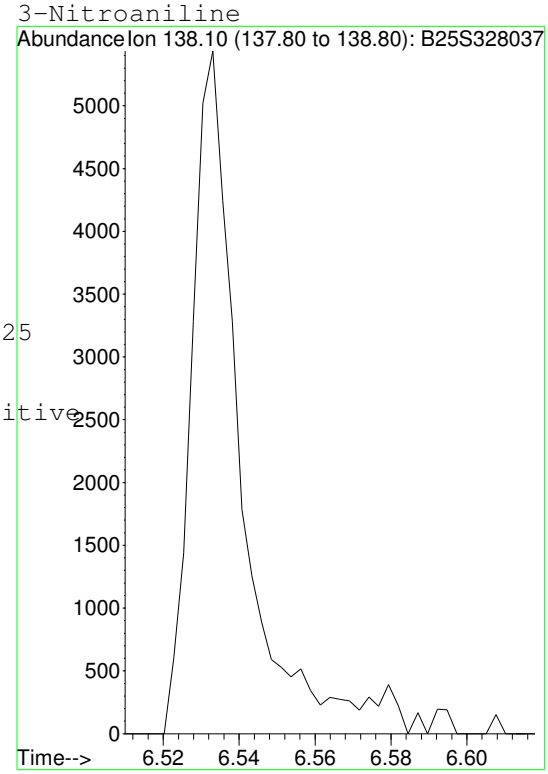
RT : 6.53
Area : 4769
Amount: 3.83036

Manual Int. Results

Tue Nov 25 10:56:11 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

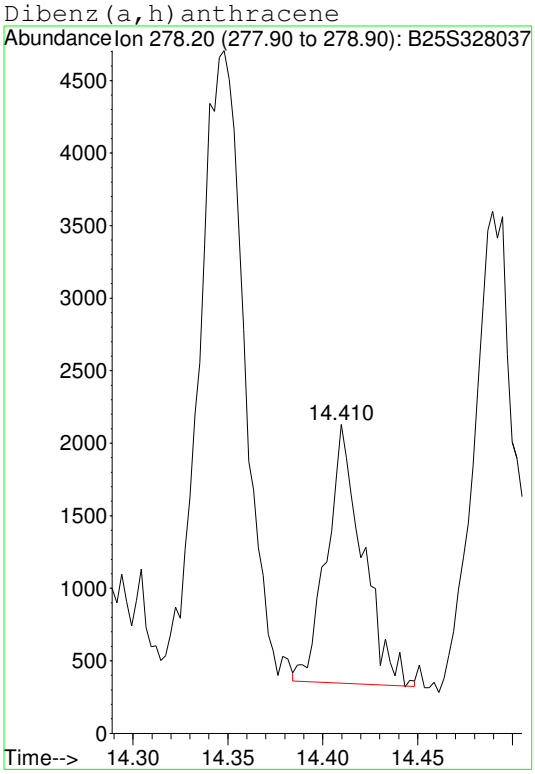
Manual Integration
3-Nitroaniline



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328037.D
Acq On : 24 Nov 2025 11:50 pm
Operator : BGL
Sample : 25K1213-08
Misc :

Quant Time : Tue Nov 25 10:56:53 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Dibenz(a,h)anthracene



Original Int. Results

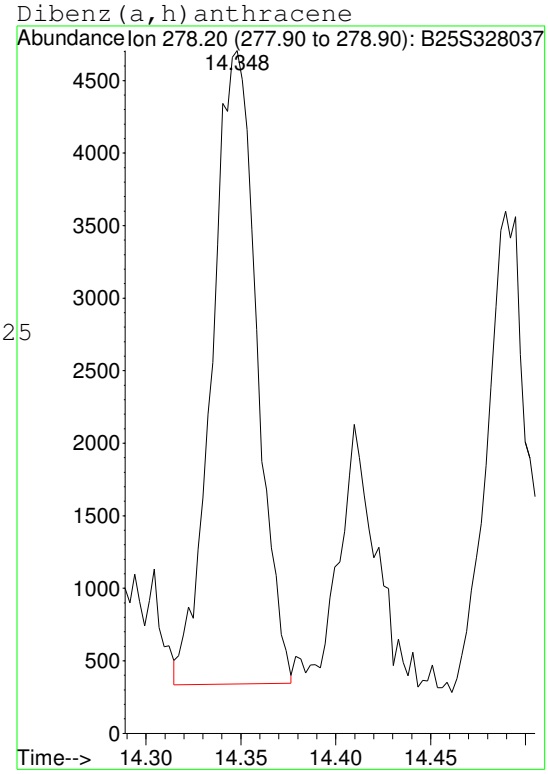
RT : 14.41
Area : 2328
Amount: 0.452903

Manual Int. Results

Tue Nov 25 10:56:53 2025

MIuser: BGL
Reason: Other
RT : 14.35
Area : 7133
Amount: 1.3877

Manual Integration
Dibenz(a,h)anthracene



1 - FORM I
ANALYSIS DATA SHEET

C-1 (0-2in)

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-09	File ID:	B25S328038.D
Sampled:	11/17/25 11:25	Prepared:	11/20/25 15:25	Analyzed:	11/25/25 00:14
Solids:	79.94	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.05 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol		0.060	0.84	
1912-24-9	Atrazine		0.058	0.84	
100-52-7	Benzaldehyde		0.059	0.42	L-04, V-05, V-34
92-52-4	Biphenyl		0.048	0.084	
105-60-2	Caprolactam		0.073	0.42	
83-32-9	Acenaphthene		0.0046	0.041	
208-96-8	Acenaphthylene	0.012	0.0052	0.041	J
98-86-2	Acetophenone		0.044	0.42	
62-53-3	Aniline		0.080	0.42	V-34
120-12-7	Anthracene	0.010	0.0047	0.041	J
56-55-3	Benzo(a)anthracene	0.045	0.0065	0.041	
50-32-8	Benzo(a)pyrene	0.053	0.014	0.041	
205-99-2	Benzo(b)fluoranthene	0.083	0.010	0.041	
191-24-2	Benzo(g,h,i)perylene	0.044	0.016	0.041	
207-08-9	Benzo(k)fluoranthene	0.027	0.0085	0.041	J
111-91-1	Bis(2-chloroethoxy)methane		0.043	0.42	
111-44-4	Bis(2-chloroethyl)ether		0.056	0.42	
108-60-1	2,2'-oxybis(1-Chloropropane)		0.17	0.42	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.057	0.42	
101-55-3	4-Bromophenylphenylether		0.037	0.42	
85-68-7	Butylbenzylphthalate		0.048	0.42	
86-74-8	Carbazole		0.044	0.21	
106-47-8	4-Chloroaniline		0.068	0.82	
59-50-7	4-Chloro-3-methylphenol		0.045	0.82	
91-58-7	2-Chloronaphthalene		0.037	0.42	
95-57-8	2-Chlorophenol		0.037	0.42	
7005-72-3	4-Chlorophenylphenylether		0.039	0.42	
218-01-9	Chrysene	0.051	0.0054	0.041	
53-70-3	Dibenz(a,h)anthracene		0.019	0.041	

1 - FORM I
ANALYSIS DATA SHEET

C-1 (0-2in)

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-09	File ID:	B25S328038.D
Sampled:	11/17/25 11:25	Prepared:	11/20/25 15:25	Analyzed:	11/25/25 00:14
Solids:	79.94	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.05 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
132-64-9	Dibenzofuran		0.041	0.42	
84-74-2	Di-n-butylphthalate		0.16	0.42	
91-94-1	3,3-Dichlorobenzidine		0.076	0.21	
120-83-2	2,4-Dichlorophenol		0.040	0.42	
84-66-2	Diethylphthalate		0.041	0.42	
105-67-9	2,4-Dimethylphenol		0.088	0.42	
131-11-3	Dimethylphthalate		0.038	0.42	
534-52-1	4,6-Dinitro-2-methylphenol		0.35	0.42	
51-28-5	2,4-Dinitrophenol		0.40	0.82	V-04, V-06
121-14-2	2,4-Dinitrotoluene		0.10	0.42	
606-20-2	2,6-Dinitrotoluene		0.053	0.42	
117-84-0	Di-n-octylphthalate		0.062	0.42	
206-44-0	Fluoranthene	0.067	0.0059	0.041	
86-73-7	Fluorene		0.0050	0.041	
118-74-1	Hexachlorobenzene		0.043	0.42	
87-68-3	Hexachlorobutadiene		0.044	0.42	
77-47-4	Hexachlorocyclopentadiene		0.21	0.42	
67-72-1	Hexachloroethane		0.038	0.42	
193-39-5	Indeno(1,2,3-cd)pyrene	0.054	0.017	0.041	
78-59-1	Isophorone		0.045	0.42	
90-12-0	1-Methylnaphthalene		0.0052	0.041	
91-57-6	2-Methylnaphthalene		0.0047	0.041	
95-48-7	2-Methylphenol		0.053	0.42	
108-39-4/106-44	3/4-Methylphenol		0.069	0.42	
91-20-3	Naphthalene		0.0060	0.041	
88-74-4	2-Nitroaniline		0.065	0.42	
99-09-2	3-Nitroaniline		0.055	0.42	
100-01-6	4-Nitroaniline		0.060	0.42	
98-95-3	Nitrobenzene		0.048	0.42	

1 - FORM I
ANALYSIS DATA SHEET

C-1 (0-2in)

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-09	File ID:	B25S328038.D
Sampled:	11/17/25 11:25	Prepared:	11/20/25 15:25	Analyzed:	11/25/25 00:14
Solids:	79.94	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.05 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
88-75-5	2-Nitrophenol		0.044	0.42	
100-02-7	4-Nitrophenol		0.17	0.82	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.055	0.42	
621-64-7	N-Nitrosodi-n-propylamine		0.052	0.42	
87-86-5	Pentachlorophenol		0.054	0.42	
85-01-8	Phenanthrene	0.020	0.0042	0.041	J
108-95-2	Phenol		0.040	0.42	
129-00-0	Pyrene	0.062	0.0071	0.041	
110-86-1	Pyridine		0.054	0.42	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.041	0.42	
95-95-4	2,4,5-Trichlorophenol		0.043	0.42	
88-06-2	2,4,6-Trichlorophenol		0.037	0.42	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328038.D
Acq On : 25 Nov 2025 12:14 am
Operator : BGL
Sample : 25K1213-09 Inst : GCMSSV2
Misc :
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Nov 25 00:30:01 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

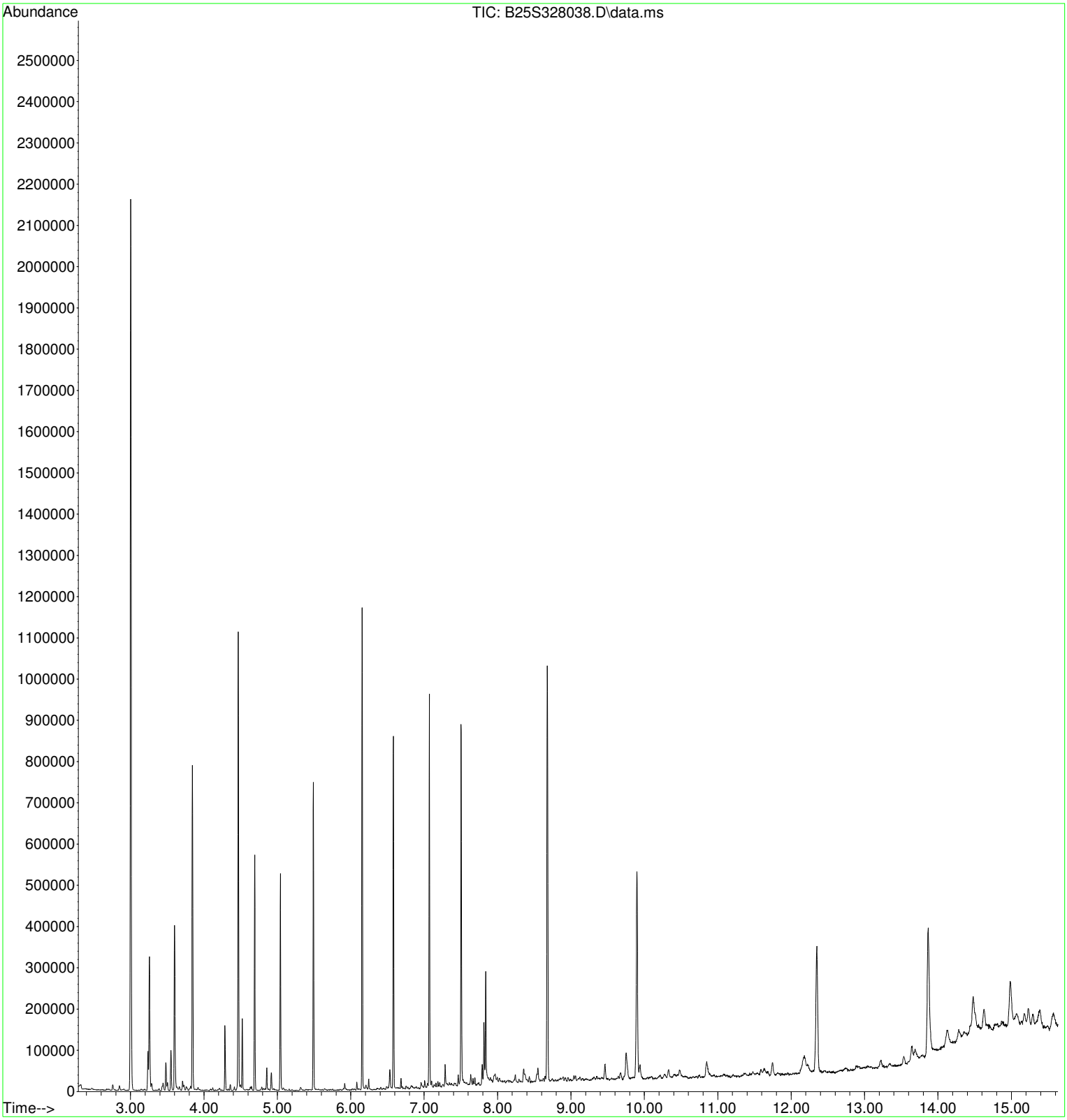
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.692	152	62257	40.00	ug/ml	-0.01
19) NAPHTHALENE-d8	5.491	136	235652	40.00	ug/ml	-0.01
35) ACENAPHTHENE-D10	6.582	164	126367	40.00	ug/ml	-0.01
58) PHENANTHRENE-D10	7.502	188	219490	40.00	ug/ml	-0.01
71) CHRYSENE-D12	9.899	240	198887	40.00	ug/ml	-0.02
80) PERYLENE-D12	12.347	264	179944	40.00	ug/ml	-0.01
88) 1,4-Dichlorobenzene-D4...	4.692	152	62257	40.00	ug/ml	-0.01
92) NAPHTHALENE-d8 (2)	5.491	136	235652	40.00	ug/ml	-0.01
95) ACENAPHTHENE-D10 (2)	6.582	164	126367	40.00	ug/ml	-0.01
System Monitoring Compounds						
2) 2-Fluorophenol	3.843	112	166648	95.81	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 47.91%			
3) Phenol-d6	4.468	99	287332	100.19	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 50.09%			
20) Nitrobenzene-d5	5.041	82	119068	50.77	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 50.77%			
36) 2-Fluorobiphenyl	6.155	172	237834	57.01	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 57.01%			
37) 2,4,6-Tribromophenol	7.070	330	69921	124.59	ug/ml	-0.01
Spiked Amount 200.000	Range 30 - 130		Recovery = 62.30%			
72) p-Terphenyl-d14	8.678	244	276084	67.03	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 67.03%			
Target Compounds						Qvalue
26) Benzoic Acid	5.314	122	1240	1.07	ug/ml#	68
47) Acenaphthylene	6.494	152	1827	0.30	ug/ml	97
66) Phenanthrene	7.518	178	3317	0.48	ug/ml	87
67) Anthracene	7.549	178	1648	0.24	ug/ml	97
70) Flouranthene	8.354	202	10861	1.60	ug/ml	95
74) Pyrene	8.549	202	10807	1.48	ug/ml	96
77) Benzo(a)anthracene	9.886	228	7227	1.08	ug/ml	90
78) Chrysene	9.935	228	8159	1.23	ug/ml	92
82) Benzo(b)fluoranthene	11.632	252	10965m	1.99	ug/ml	
83) Benzo(k)fluoranthene	11.673	252	3558m	0.65	ug/ml	
84) Benzo(a)pyrene	12.237	252	6529m	1.28	ug/ml	
85) Indeno(1,2,3-cd)pyrene	14.302	276	5888	1.29	ug/ml	90
86) Dibenz(a,h)anthracene	14.348	278	1287m	0.27	ug/ml	
87) Benzo(g,h,i)perylene	14.682	276	5347m	1.06	ug/ml	
90) Benzaldehyde	4.414	106	1338	0.65	ug/ml	93

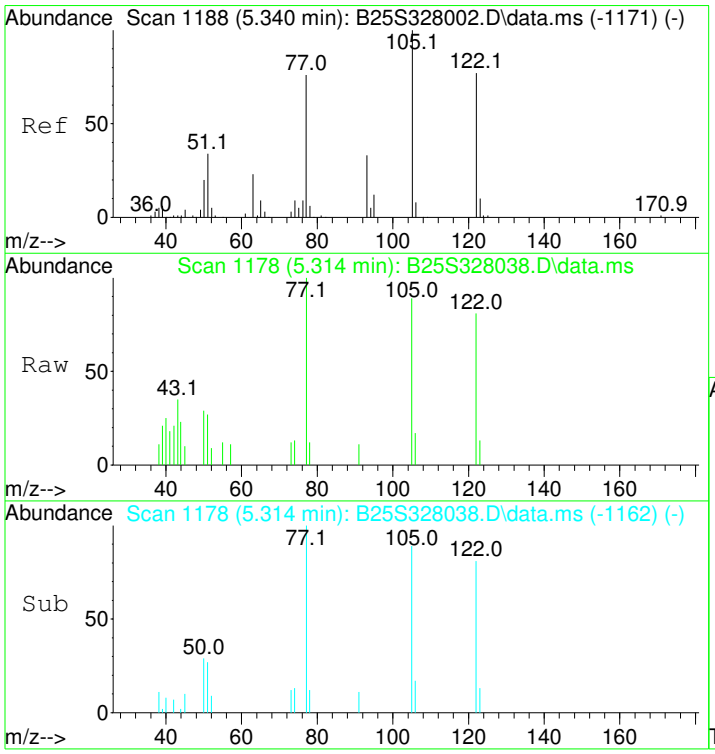
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328038.D
Acq On : 25 Nov 2025 12:14 am
Operator : BGL
Sample : 25K1213-09 Inst : GCMSSV2
Misc :
ALS Vial : 38 Sample Multiplier: 1

334

Quant Time: Nov 25 00:30:01 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

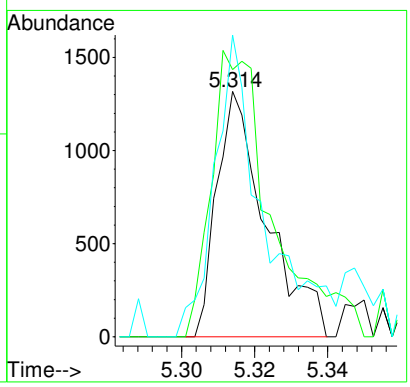


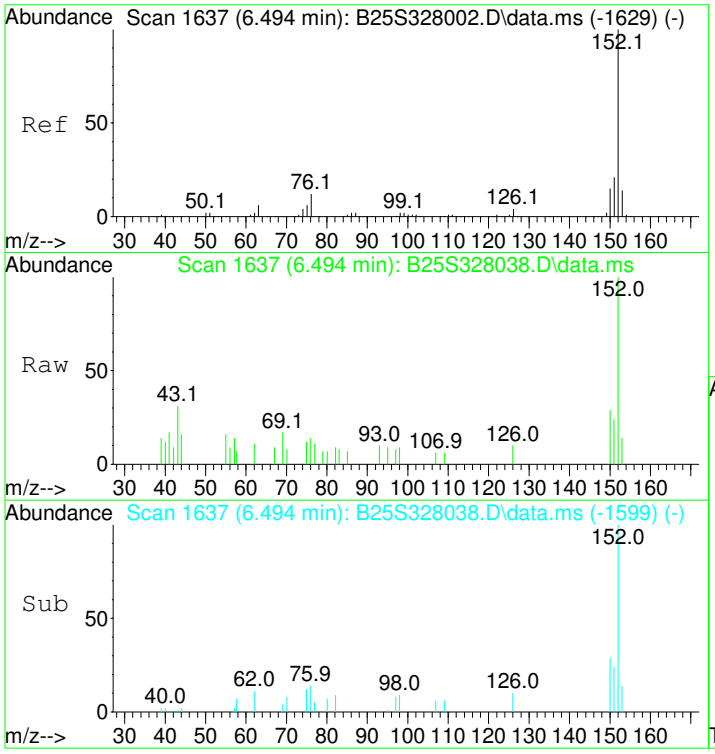


#26
Benzoic Acid
Concen: 1.07 ug/ml
RT: 5.314 min Scan# 1178
Delta R.T. -0.026 min
Lab File: B25S328038.D
Acq: 25 Nov 2025 12:14 am

Tgt Ion:122 Resp: 1240

Ion	Ratio	Lower	Upper
122	100		
105	142.9	95.4	135.4#
77	120.5	64.2	104.2#

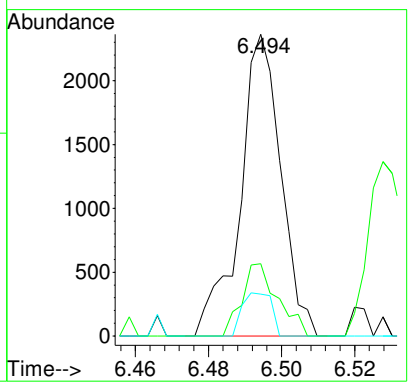


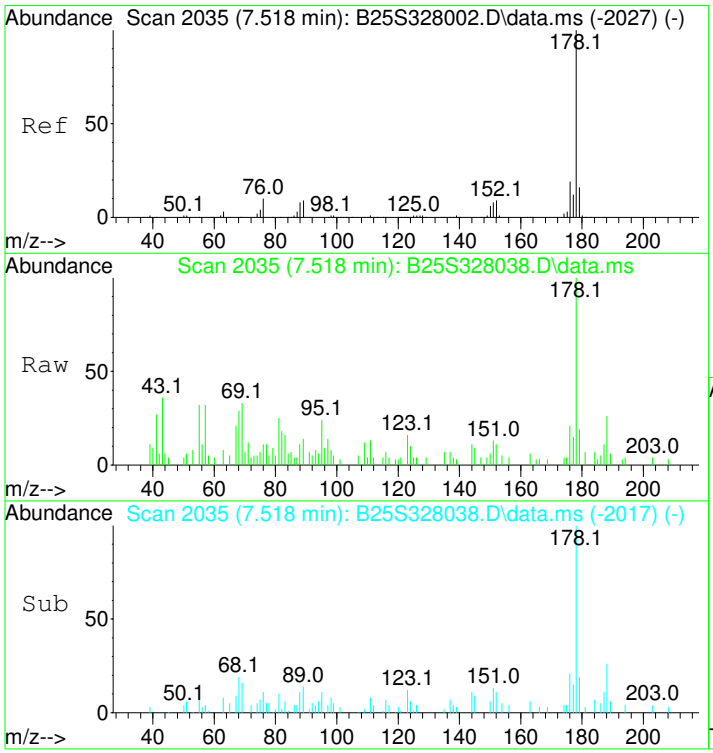


#47
Acenaphthylene
Concen: 0.30 ug/ml
RT: 6.494 min Scan# 1637
Delta R.T. -0.010 min
Lab File: B25S328038.D
Acq: 25 Nov 2025 12:14 am

Tgt Ion:152 Resp: 1827

Ion	Ratio	Lower	Upper
152	100		
151	21.2	1.0	41.0
153	10.3	0.0	33.1

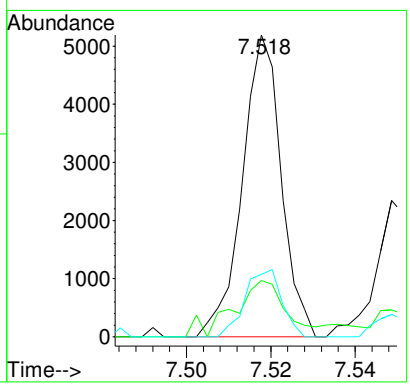


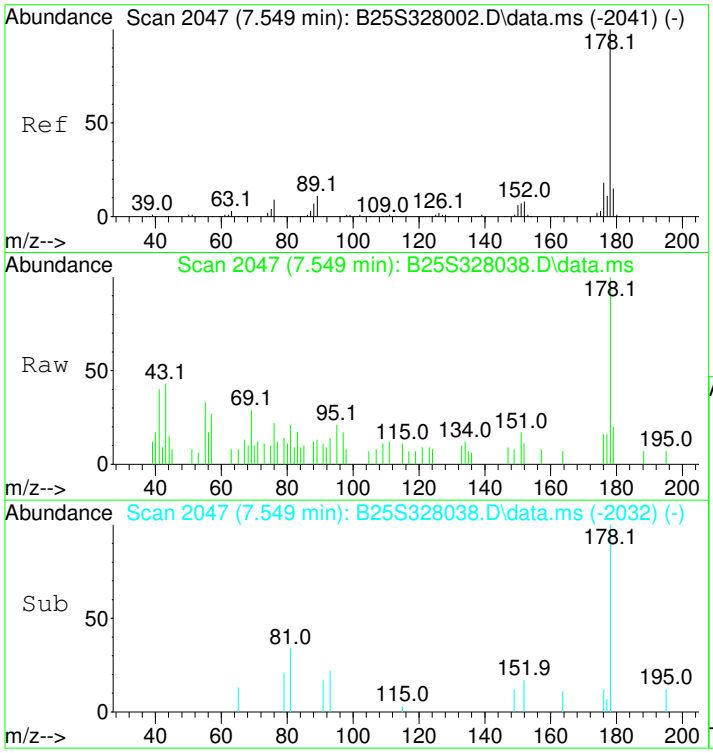


#66
Phenanthrene
Concen: 0.48 ug/ml
RT: 7.518 min Scan# 2035
Delta R.T. -0.010 min
Lab File: B25S328038.D
Acq: 25 Nov 2025 12:14 am

Tgt Ion:178 Resp: 3317

Ion	Ratio	Lower	Upper
178	100		
179	25.4	0.0	35.5
176	21.0	0.0	39.0

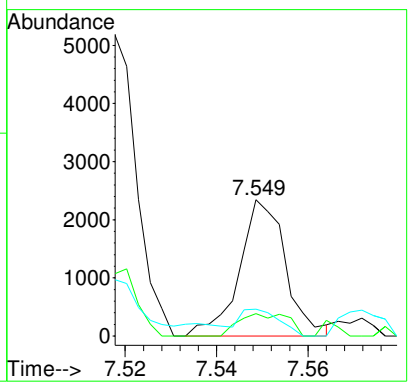


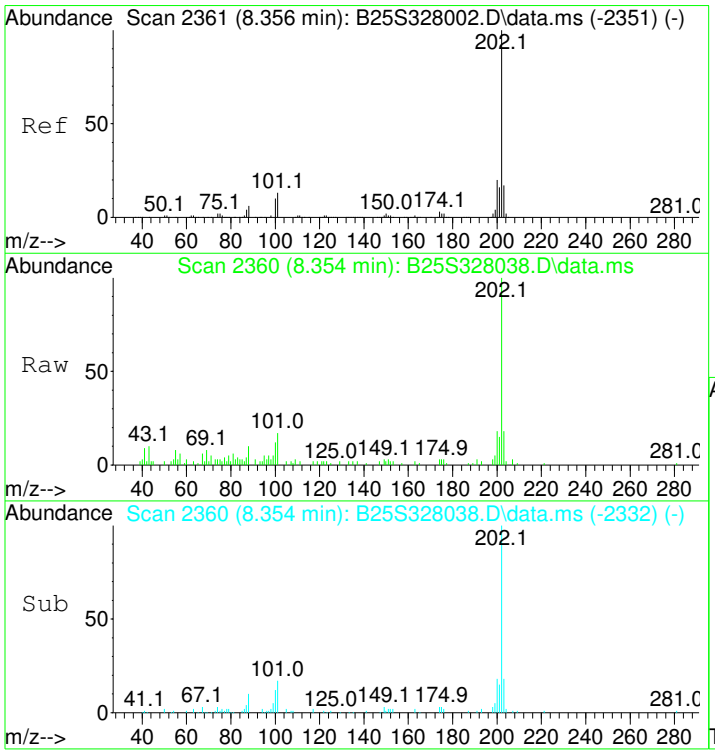


#67
Anthracene
Concen: 0.24 ug/ml
RT: 7.549 min Scan# 2047
Delta R.T. -0.013 min
Lab File: B25S328038.D
Acq: 25 Nov 2025 12:14 am

Tgt Ion:178 Resp: 1648

Ion	Ratio	Lower	Upper
178	100		
176	17.7	0.0	38.3
179	17.7	0.0	35.5

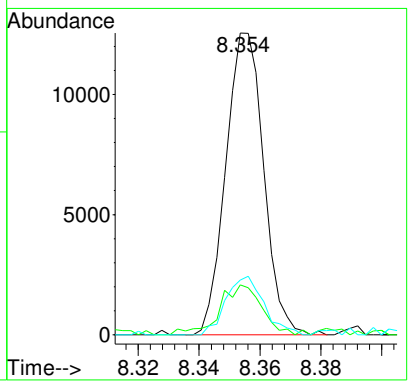


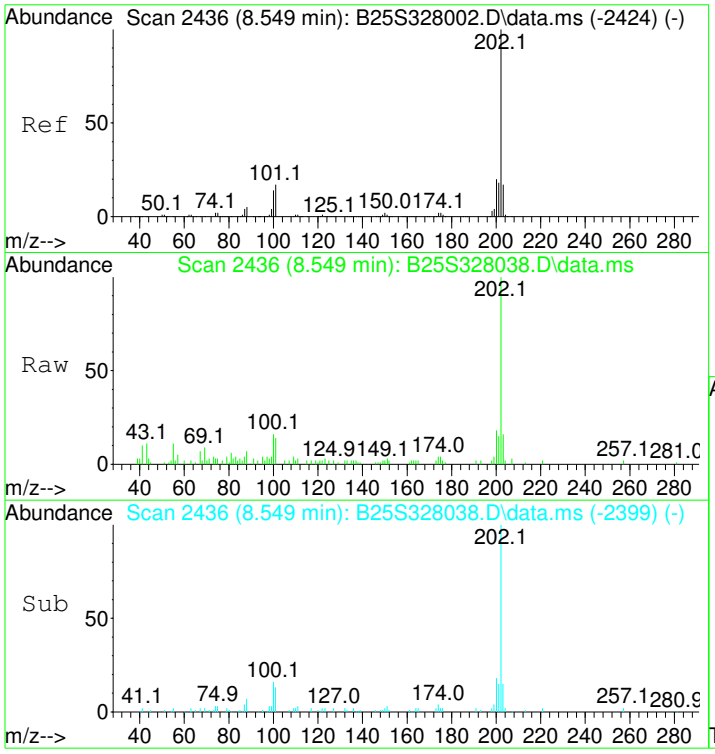


#70
Flouranthene
Concen: 1.60 ug/ml
RT: 8.354 min Scan# 2360
Delta R.T. -0.013 min
Lab File: B25S328038.D
Acq: 25 Nov 2025 12:14 am

Tgt Ion:202 Resp: 10861

Ion	Ratio	Lower	Upper
202	100		
101	18.3	0.0	36.2
203	19.4	0.0	37.5

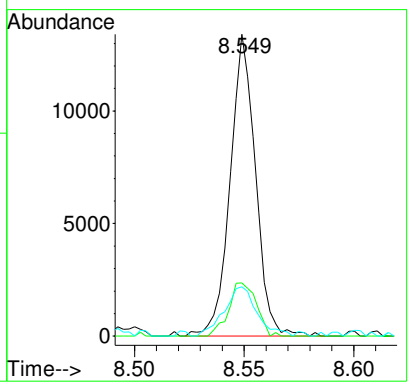


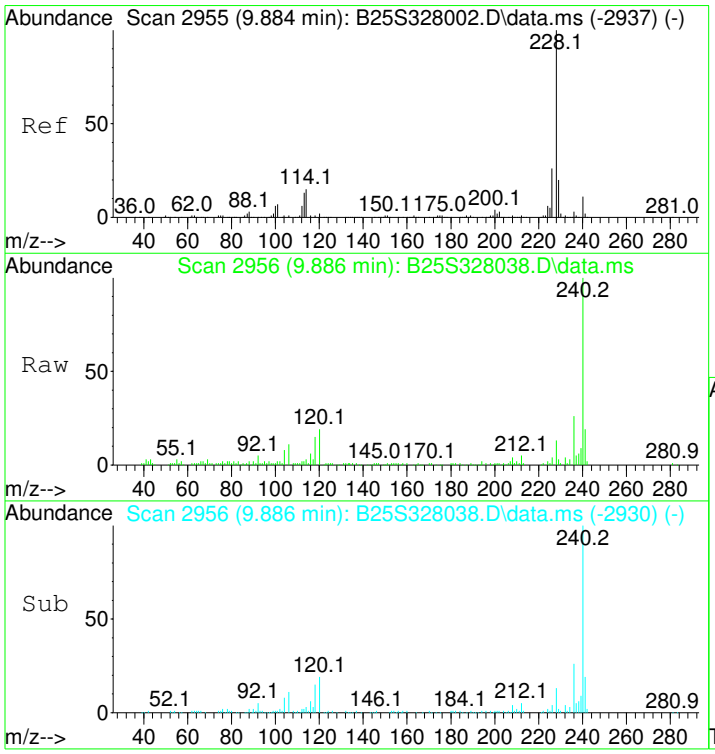


#74
Pyrene
Concen: 1.48 ug/ml
RT: 8.549 min Scan# 2436
Delta R.T. -0.013 min
Lab File: B25S328038.D
Acq: 25 Nov 2025 12:14 am

Tgt Ion:202 Resp: 10807

Ion	Ratio	Lower	Upper
202	100		
200	19.3	0.1	40.1
203	21.0	0.0	38.1

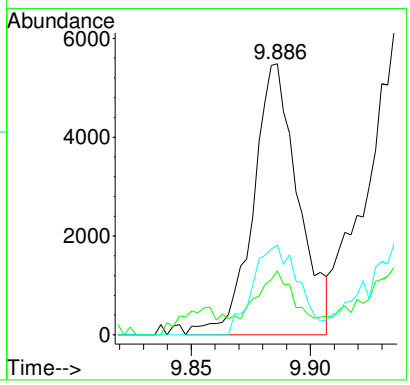


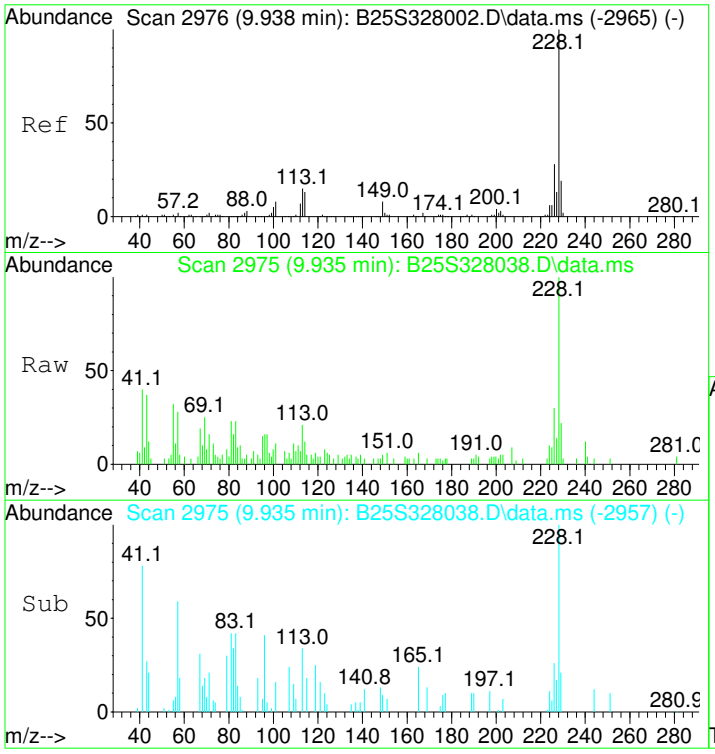


#77
Benzo(a)anthracene
Concen: 1.08 ug/ml
RT: 9.886 min Scan# 2956
Delta R.T. -0.015 min
Lab File: B25S328038.D
Acq: 25 Nov 2025 12:14 am

Tgt Ion:228 Resp: 7227

Ion	Ratio	Lower	Upper
228	100		
229	18.9	0.0	38.9
226	33.4	4.9	44.9

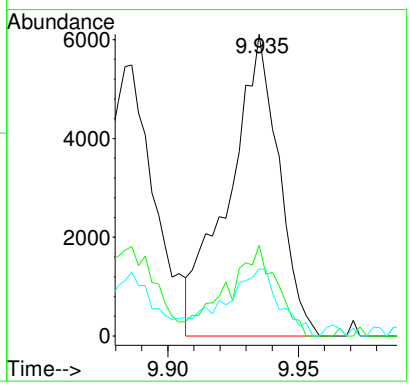


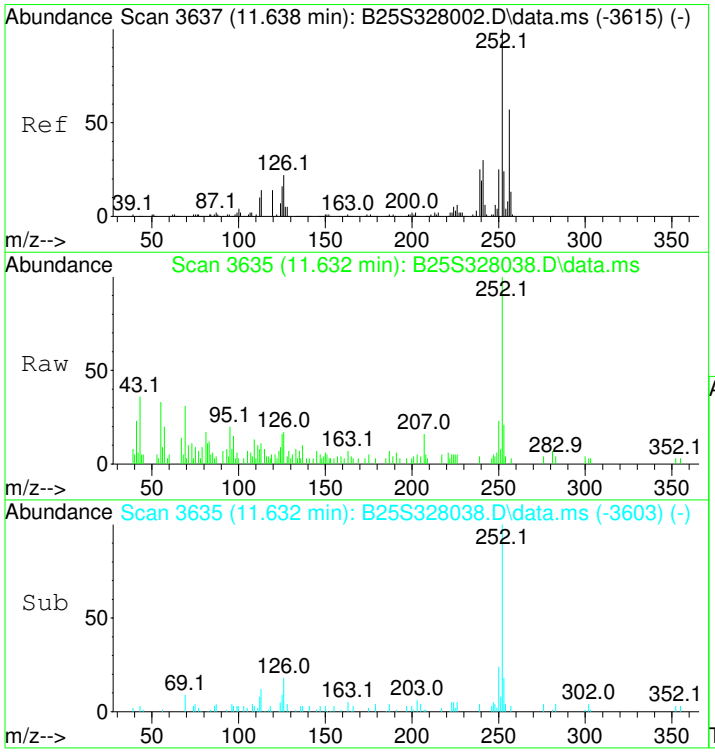


#78
Chrysene
Concen: 1.23 ug/ml
RT: 9.935 min Scan# 2975
Delta R.T. -0.018 min
Lab File: B25S328038.D
Acq: 25 Nov 2025 12:14 am

Tgt Ion:228 Resp: 8159

Ion	Ratio	Lower	Upper
228	100		
226	30.5	8.1	48.1
229	25.2	0.0	38.9

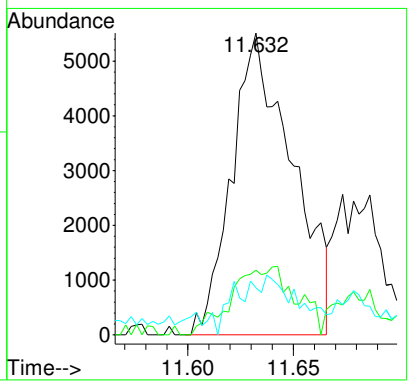


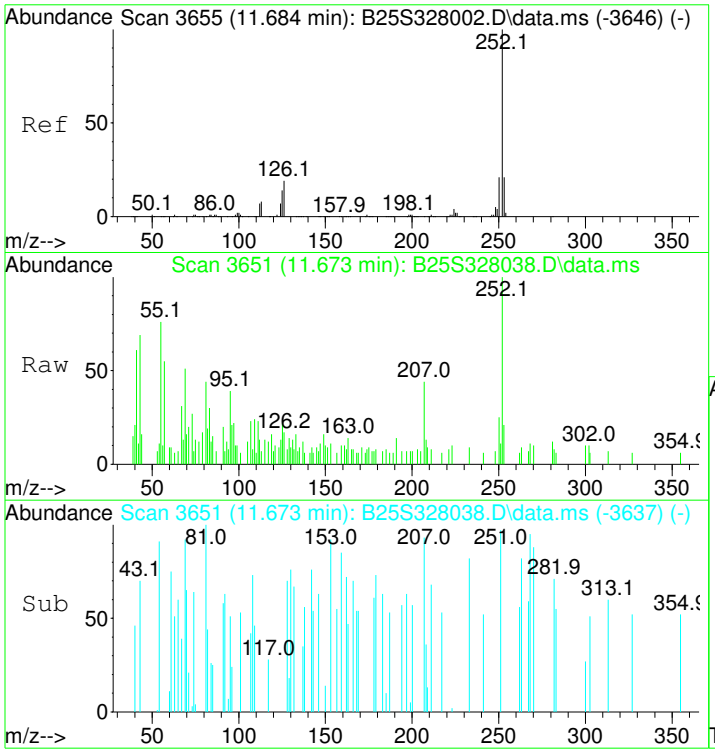


#82
Benzo(b)fluoranthene
Concen: 1.99 ug/ml m
RT: 11.632 min Scan# 3635
Delta R.T. -0.021 min
Lab File: B25S328038.D
Acq: 25 Nov 2025 12:14 am

Tgt Ion:252 Resp: 10965

Ion	Ratio	Lower	Upper
252	100		
253	21.0	2.2	42.2
125	11.1	0.0	34.5

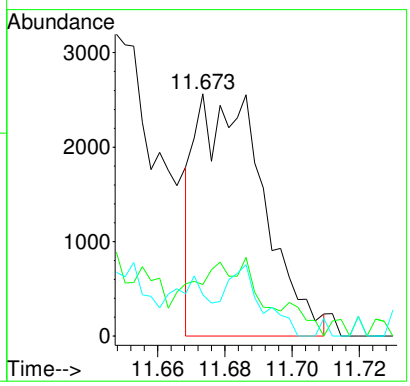


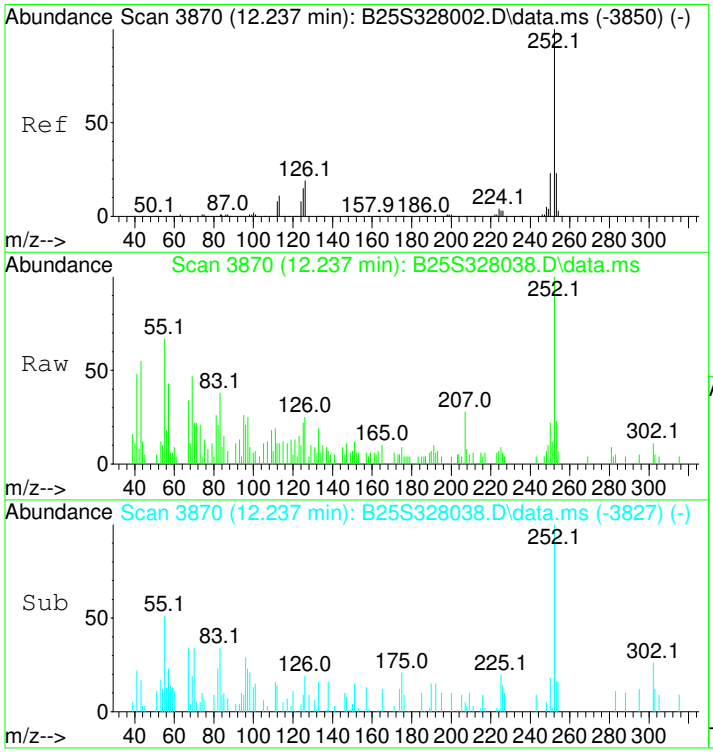


#83
Benzo(k)fluoranthene
Concen: 0.65 ug/ml m
RT: 11.673 min Scan# 3651
Delta R.T. -0.031 min
Lab File: B25S328038.D
Acq: 25 Nov 2025 12:14 am

Tgt Ion:252 Resp: 3558

Ion	Ratio	Lower	Upper
252	100		
253	15.7	0.7	40.7
126	16.3	0.0	39.4

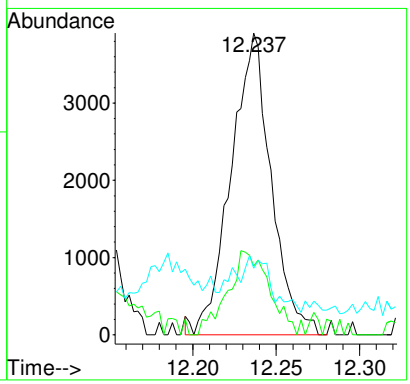


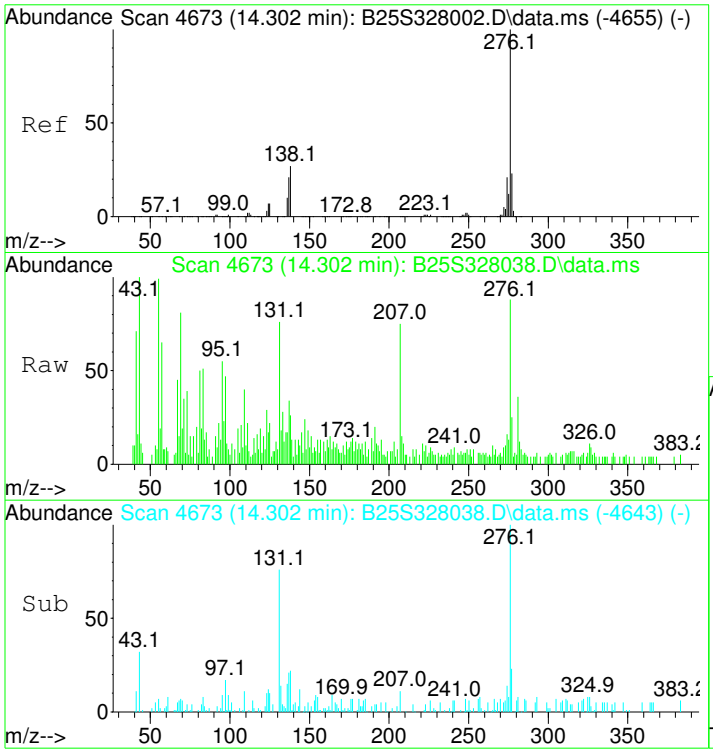


#84
Benzo(a)pyrene
Concen: 1.28 ug/ml m
RT: 12.237 min Scan# 3870
Delta R.T. -0.015 min
Lab File: B25S328038.D
Acq: 25 Nov 2025 12:14 am

Tgt Ion:252 Resp: 6529

Ion	Ratio	Lower	Upper
252	100		
253	28.8	0.4	40.4
125	12.6	0.0	34.0

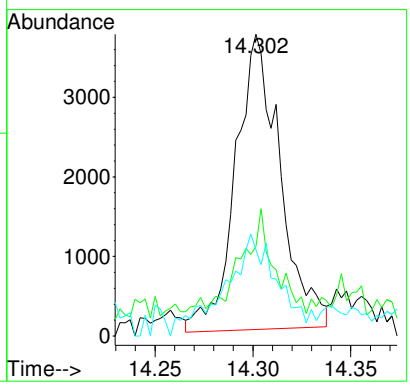


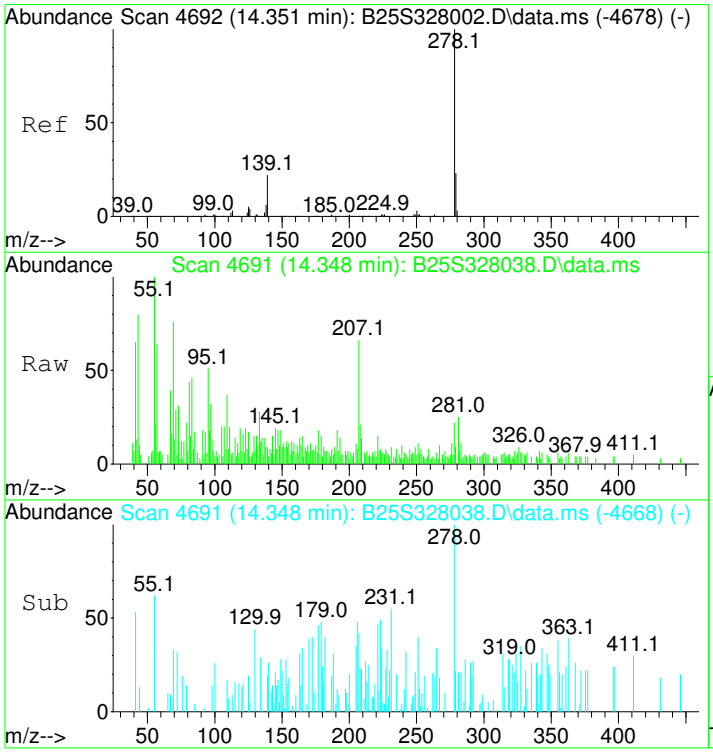


#85
Indeno(1,2,3-cd)pyrene
Concen: 1.29 ug/ml
RT: 14.302 min Scan# 4673
Delta R.T. -0.013 min
Lab File: B25S328038.D
Acq: 25 Nov 2025 12:14 am

Tgt Ion:276 Resp: 5888

Ion	Ratio	Lower	Upper
276	100		
138	29.3	5.0	45.0
277	29.3	4.1	44.1

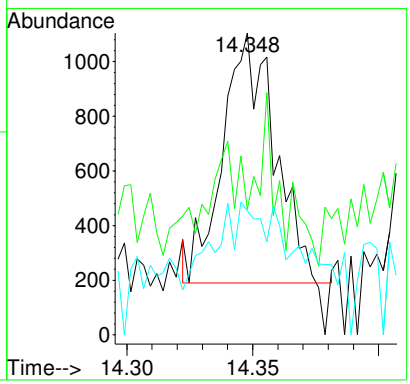


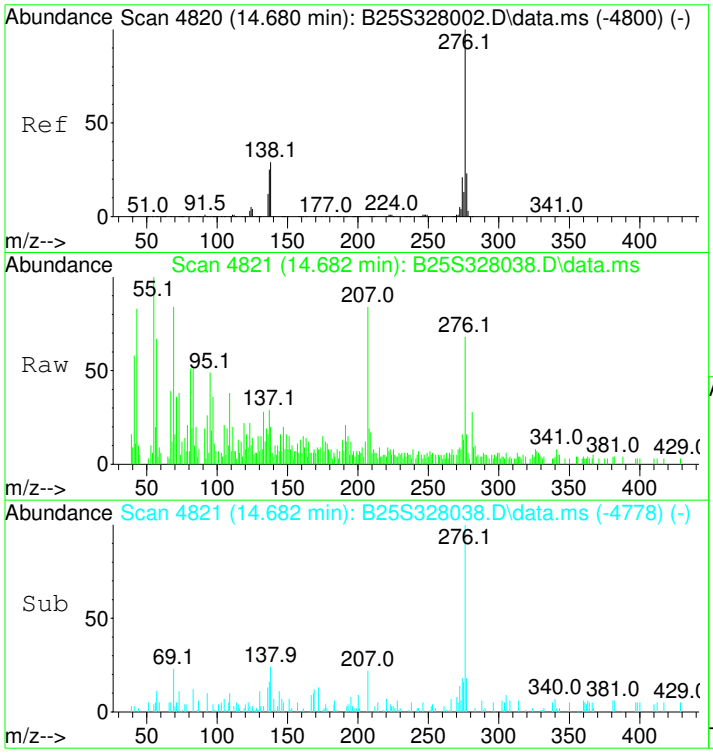


#86
Dibenz(a,h)anthracene
Concen: 0.27 ug/ml m
RT: 14.348 min Scan# 4691
Delta R.T. -0.013 min
Lab File: B25S328038.D
Acq: 25 Nov 2025 12:14 am

Tgt Ion:278 Resp: 1287

Ion	Ratio	Lower	Upper
278	100		
139	54.7	1.1	41.1#
279	71.3	3.5	43.5#

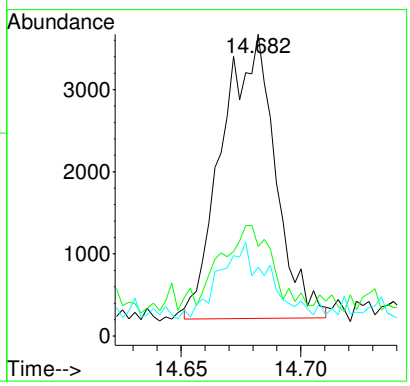


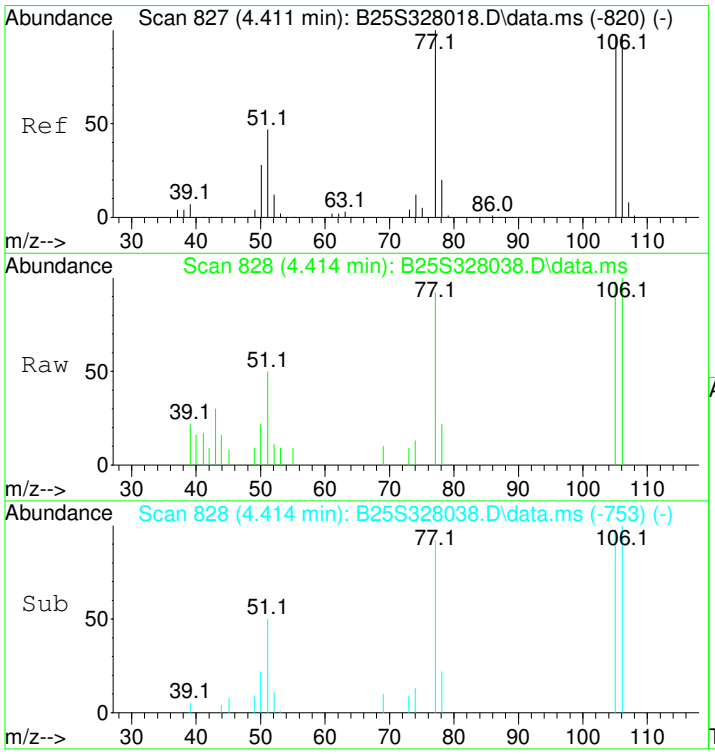


#87
Benzo(g,h,i)perylene
Concen: 1.06 ug/ml m
RT: 14.682 min Scan# 4821
Delta R.T. -0.005 min
Lab File: B25S328038.D
Acq: 25 Nov 2025 12:14 am

Tgt Ion:276 Resp: 5347

Ion	Ratio	Lower	Upper
276	100		
138	26.3	5.6	45.6
277	25.1	3.2	43.2

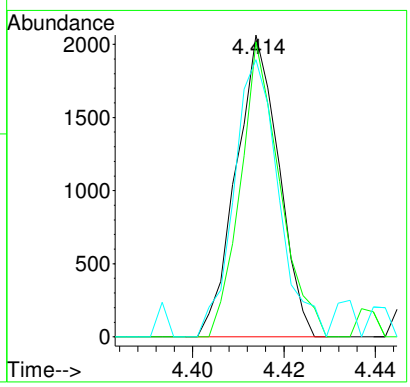




#90
Benzaldehyde
Concen: 0.65 ug/ml
RT: 4.414 min Scan# 828
Delta R.T. -0.008 min
Lab File: B25S328038.D
Acq: 25 Nov 2025 12:14 am

Tgt Ion:106 Resp: 1338

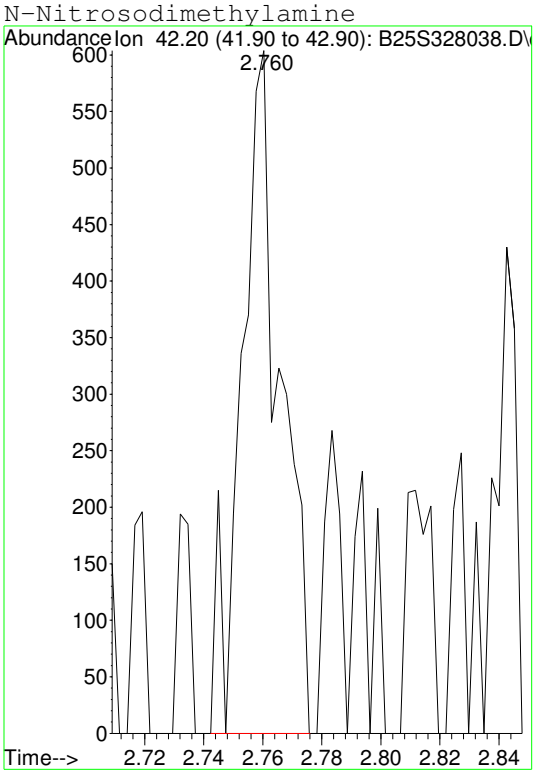
Ion	Ratio	Lower	Upper
106	100		
105	90.1	79.4	119.2
77	96.4	81.3	121.9



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328038.D
Acq On : 25 Nov 2025 12:14 am
Operator : BGL
Sample : 25K1213-09
Misc :

Quant Time : Tue Nov 25 10:59:28 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
N-Nitrosodimethylamine



Original Int. Results

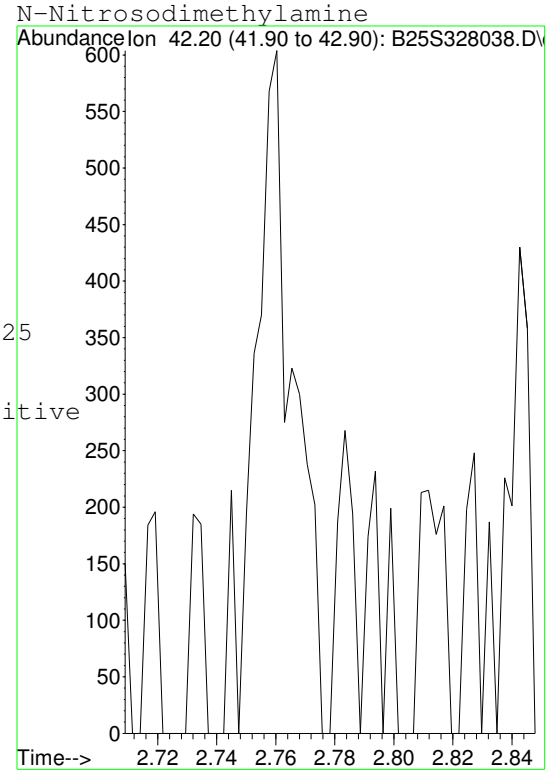
RT : 2.76
Area : 559
Amount: 0.504234

Manual Int. Results

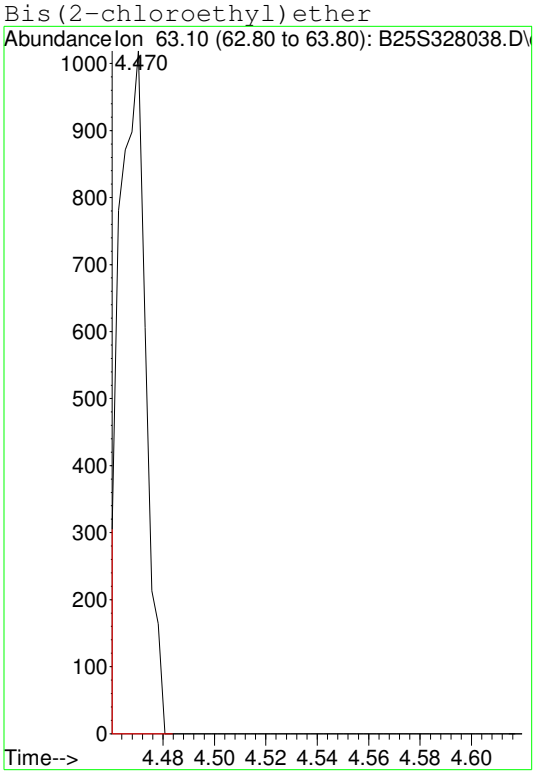
Tue Nov 25 10:57:57 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
N-Nitrosodimethylamine



Original Integration
Bis(2-chloroethyl)ether



Original Int. Results

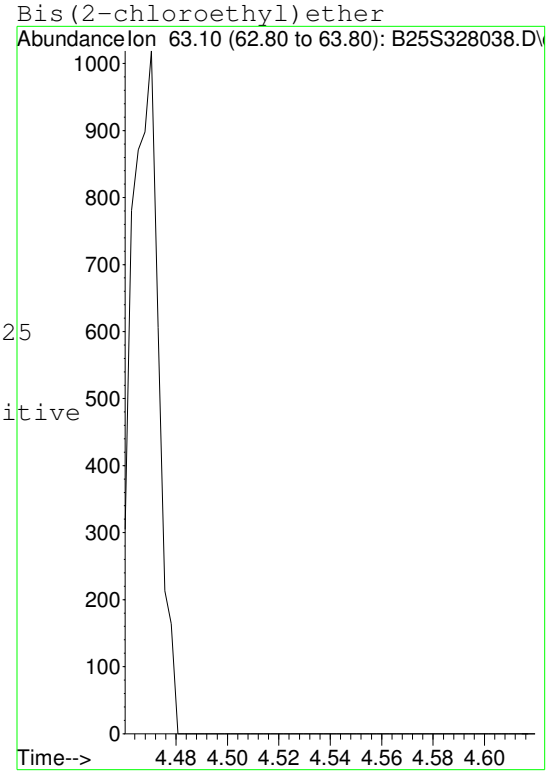
RT : 4.47
Area : 782
Amount: 0.489508

Manual Int. Results

Tue Nov 25 10:57:57 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

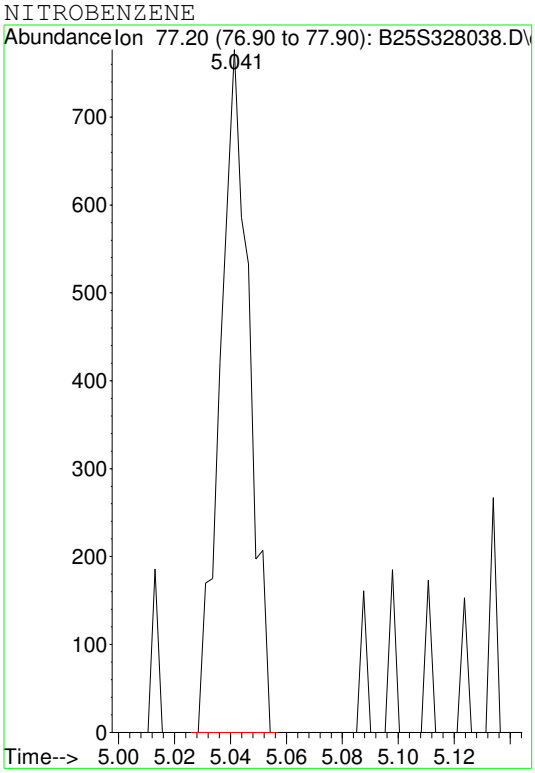
Manual Integration
Bis(2-chloroethyl)ether



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328038.D
Acq On : 25 Nov 2025 12:14 am
Operator : BGL
Sample : 25K1213-09
Misc :

Quant Time : Tue Nov 25 10:59:28 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
NITROBENZENE



Original Int. Results

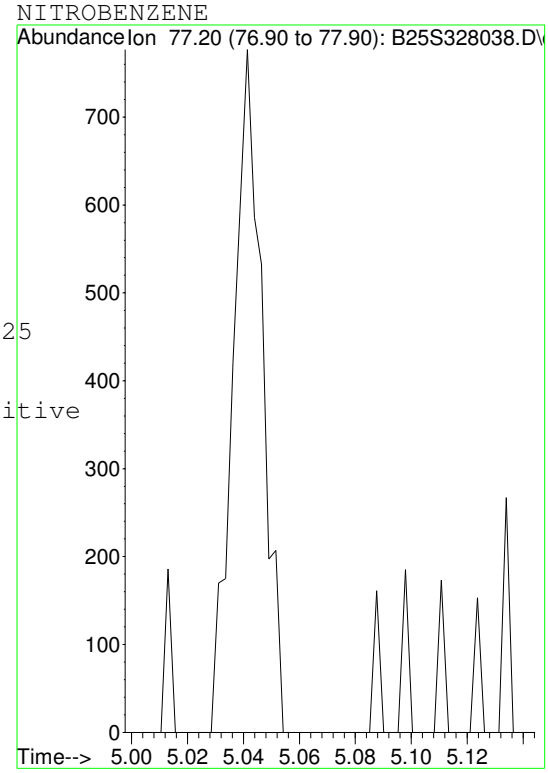
RT : 5.04
Area : 565
Amount: 0.239135

Manual Int. Results

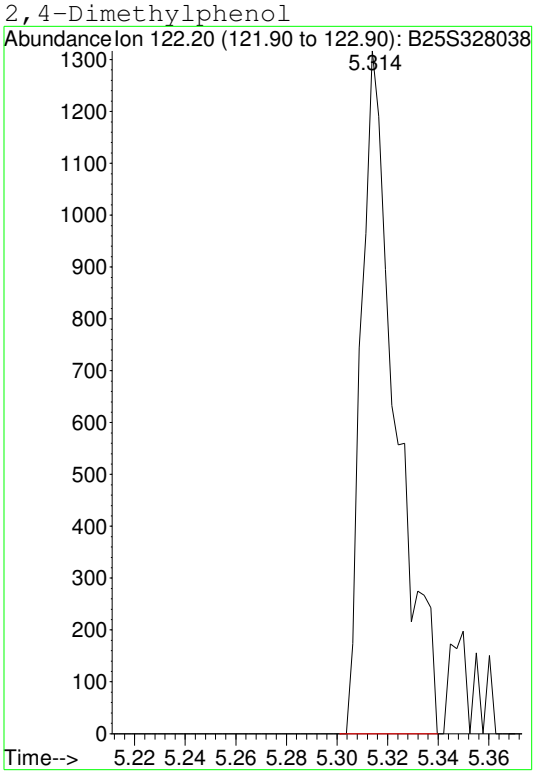
Tue Nov 25 10:57:56 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
NITROBENZENE



Original Integration
2,4-Dimethylphenol



Original Int. Results

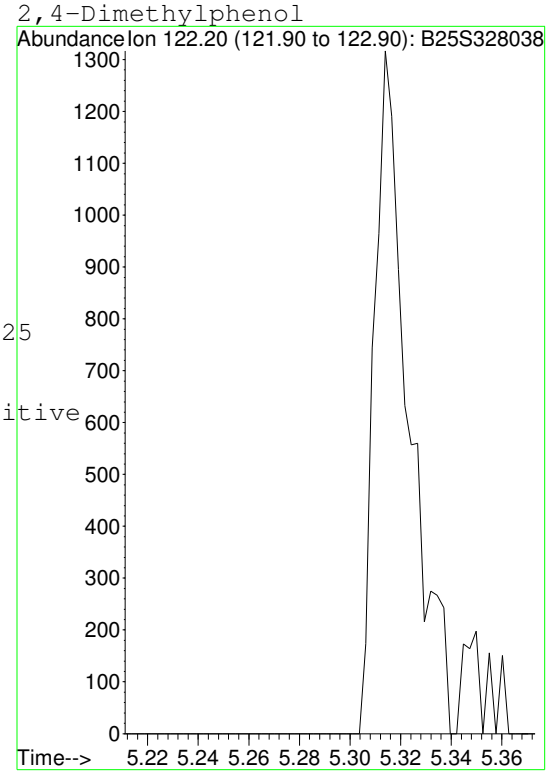
RT : 5.31
Area : 1240
Amount: 0.658863

Manual Int. Results

Tue Nov 25 10:57:56 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

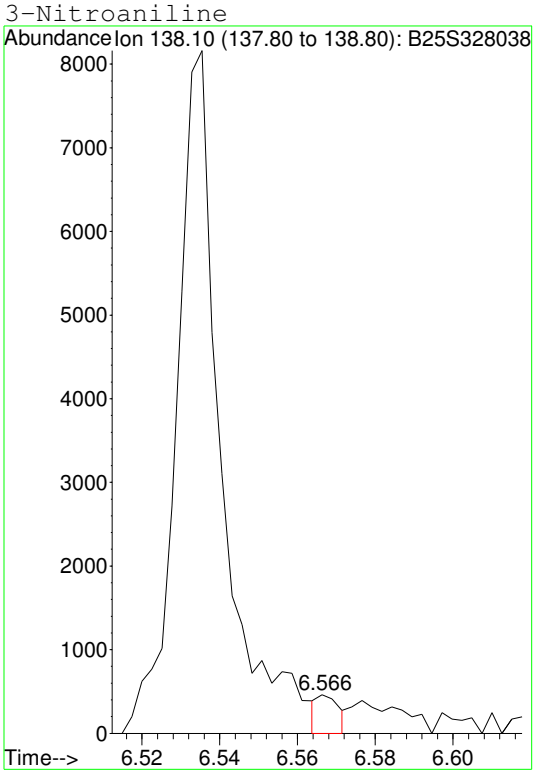
Manual Integration
2,4-Dimethylphenol



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328038.D
Acq On : 25 Nov 2025 12:14 am
Operator : BGL
Sample : 25K1213-09
Misc :

Quant Time : Tue Nov 25 10:59:28 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
3-Nitroaniline



Original Int. Results

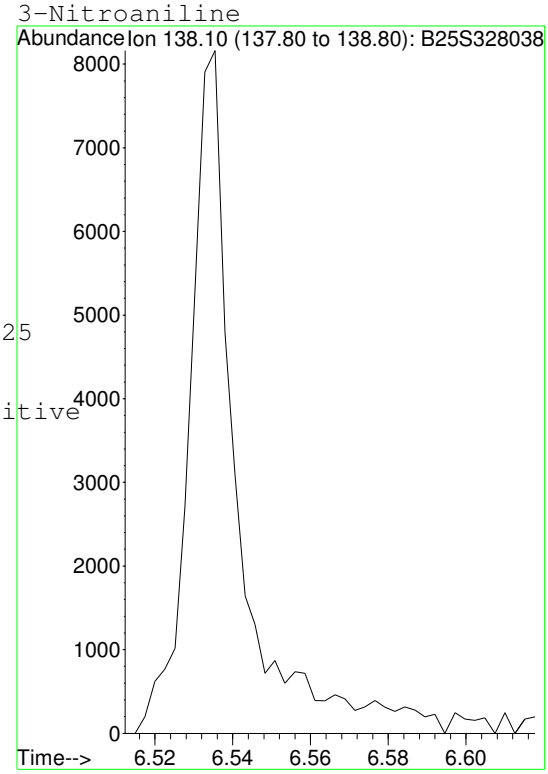
RT : 6.57
Area : 177
Amount: 0.156613

Manual Int. Results

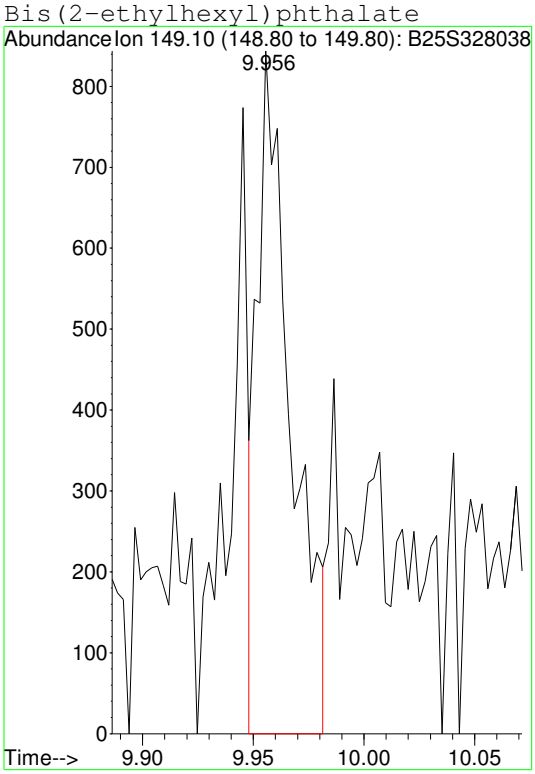
Tue Nov 25 10:57:56 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
3-Nitroaniline



Original Integration
Bis(2-ethylhexyl)phthalate



Original Int. Results

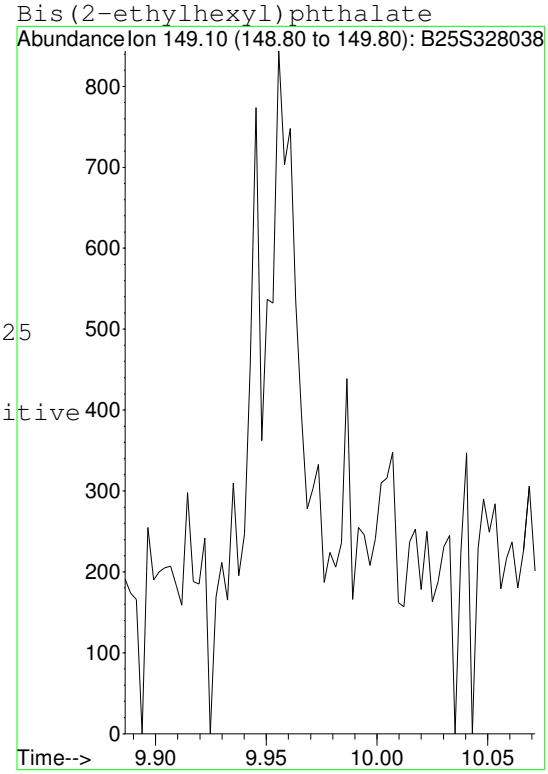
RT : 9.96
Area : 899
Amount: 0.294619

Manual Int. Results

Tue Nov 25 10:58:22 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

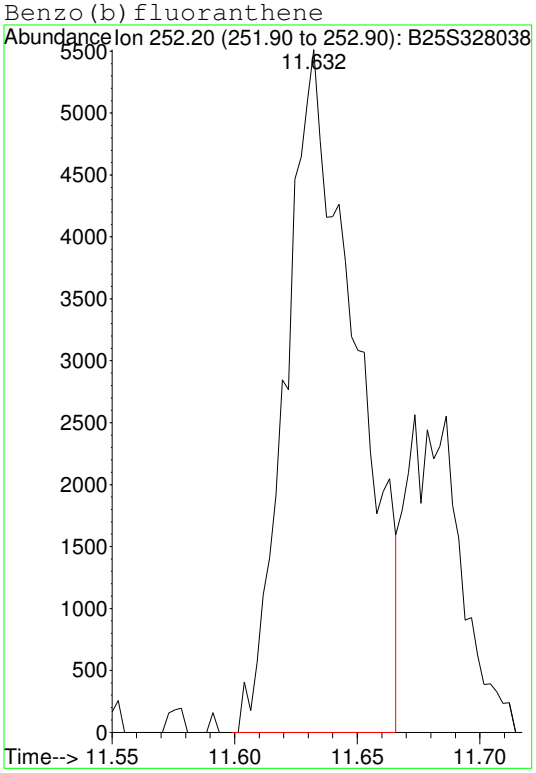
Manual Integration
Bis(2-ethylhexyl)phthalate



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328038.D
Acq On : 25 Nov 2025 12:14 am
Operator : BGL
Sample : 25K1213-09
Misc :

Quant Time : Tue Nov 25 10:59:28 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Benzo(b)fluoranthene



Original Int. Results

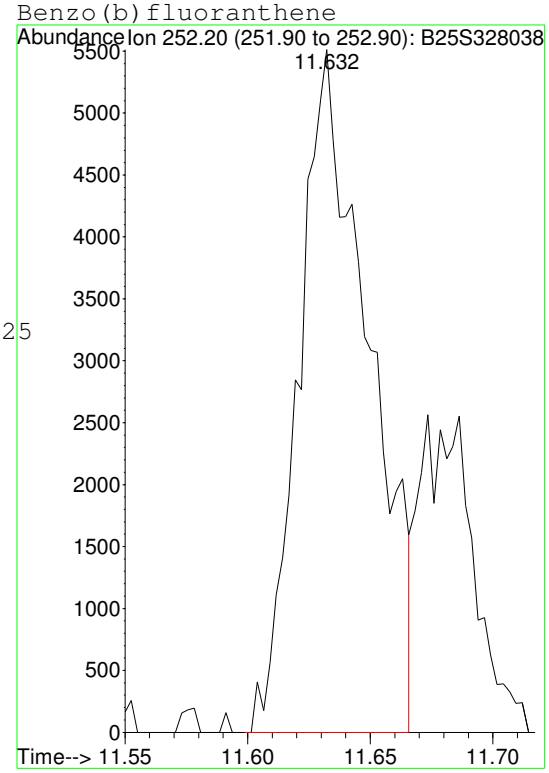
RT : 11.63
Area : 10965
Amount: 1.98654

Manual Int. Results

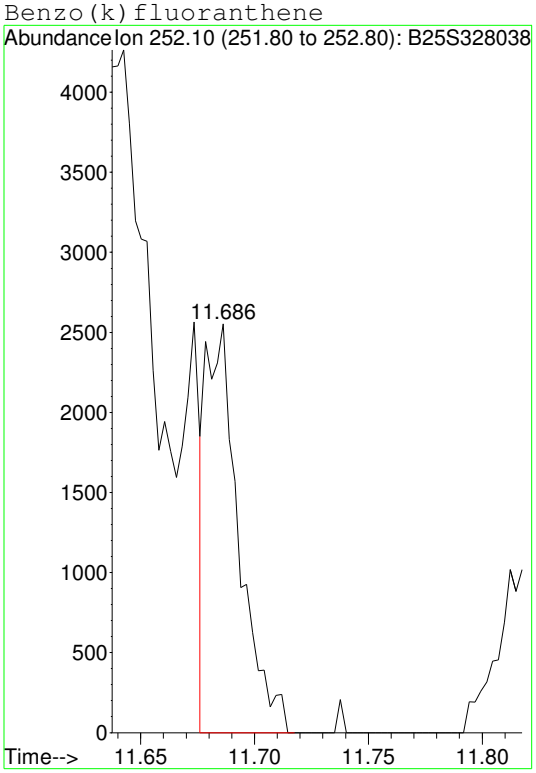
Tue Nov 25 10:59:28 2025

MIuser: BGL
Reason: Other
RT : 11.63
Area : 10965
Amount: 1.98654

Manual Integration
Benzo(b)fluoranthene



Original Integration
Benzo(k)fluoranthene



Original Int. Results

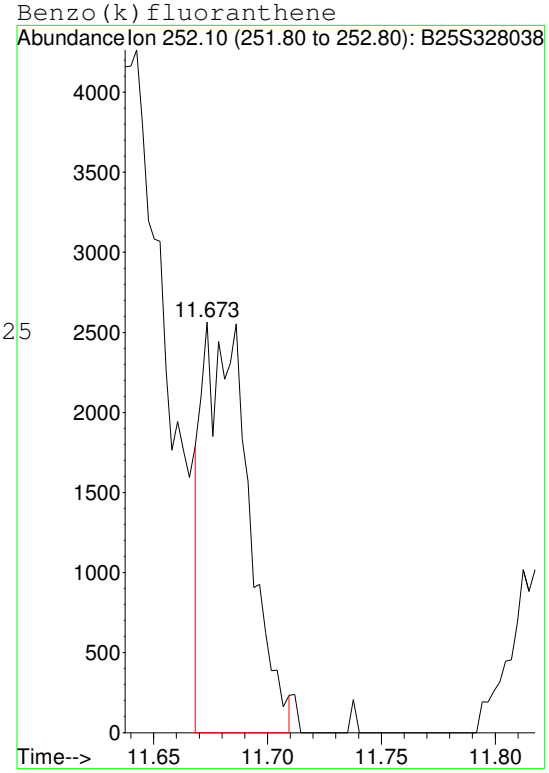
RT : 11.69
Area : 2590
Amount: 0.472694

Manual Int. Results

Tue Nov 25 10:58:29 2025

MIuser: BGL
Reason: Other
RT : 11.67
Area : 3558
Amount: 0.64936

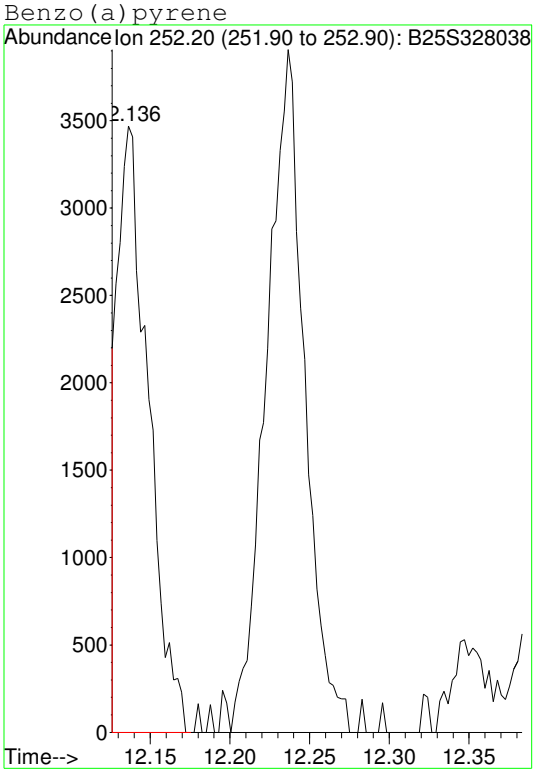
Manual Integration
Benzo(k)fluoranthene



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328038.D
Acq On : 25 Nov 2025 12:14 am
Operator : BGL
Sample : 25K1213-09
Misc :

Quant Time : Tue Nov 25 10:59:28 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Benzo(a)pyrene



Original Int. Results

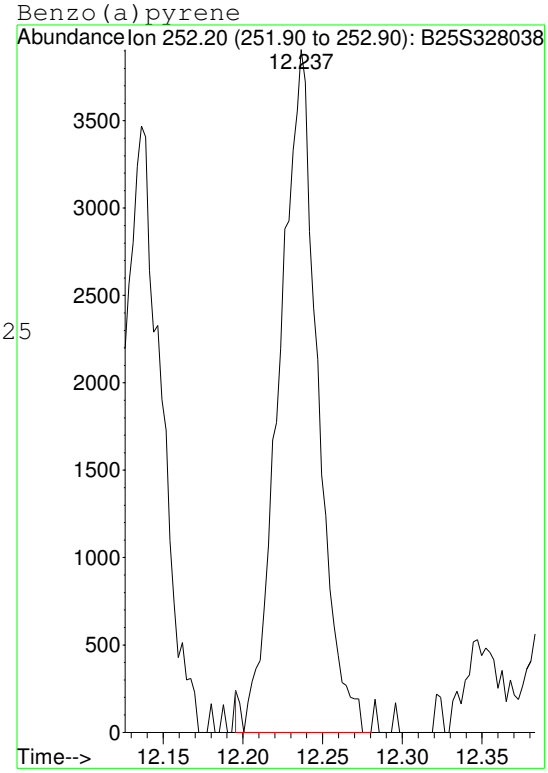
RT : 12.14
Area : 5466
Amount: 1.06839

Manual Int. Results

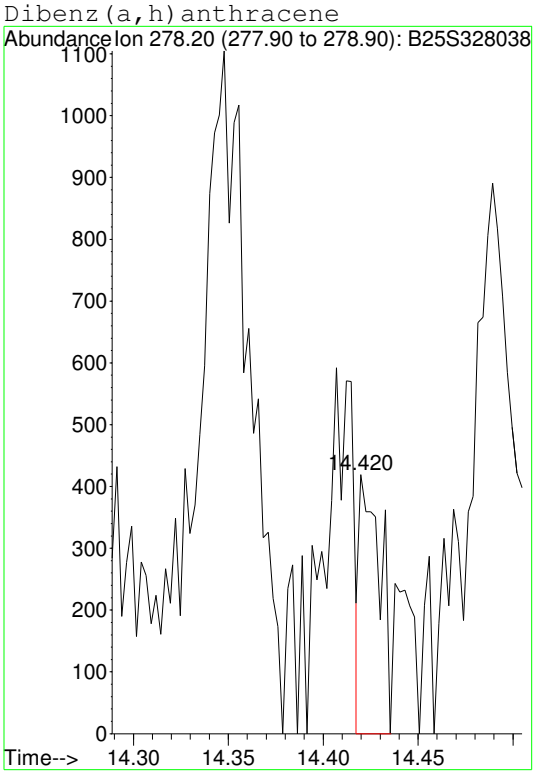
Tue Nov 25 10:59:20 2025

MIuser: BGL
Reason: Other
RT : 12.24
Area : 6529
Amount: 1.27616

Manual Integration
Benzo(a)pyrene



Original Integration
Dibenz(a,h)anthracene



Original Int. Results

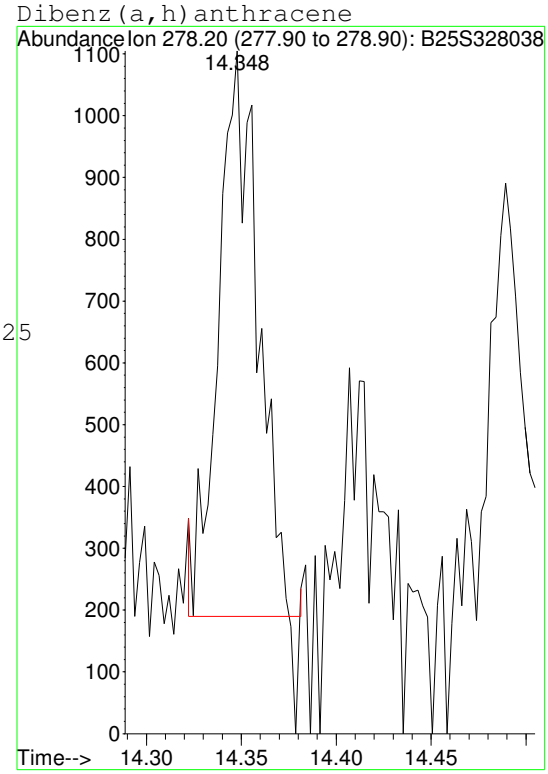
RT : 14.42
Area : 314
Amount: 0.065611

Manual Int. Results

Tue Nov 25 10:59:10 2025

MIuser: BGL
Reason: Other
RT : 14.35
Area : 1287
Amount: 0.268922

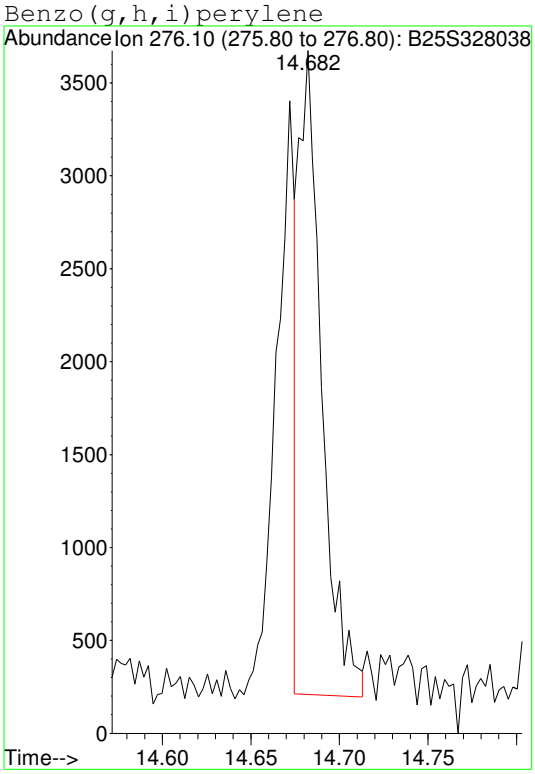
Manual Integration
Dibenz(a,h)anthracene



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328038.D
Acq On : 25 Nov 2025 12:14 am
Operator : BGL
Sample : 25K1213-09
Misc :

Quant Time : Tue Nov 25 10:59:28 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Benzo(g,h,i)perylene



Original Int. Results

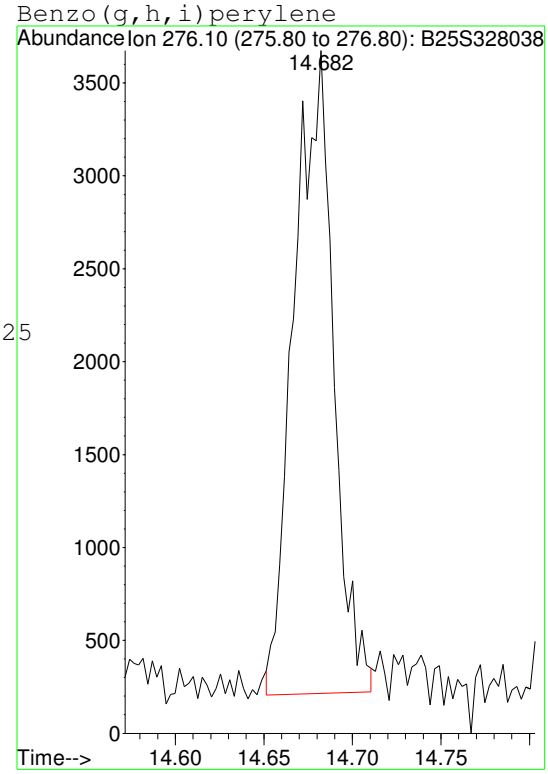
RT : 14.68
Area : 3134
Amount: 0.620185

Manual Int. Results

Tue Nov 25 10:58:54 2025

MIuser: BGL
Reason: Other
RT : 14.68
Area : 5347
Amount: 1.05811

Manual Integration
Benzo(g,h,i)perylene



1 - FORM I
ANALYSIS DATA SHEET

C-1 (2-12in)

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-10	File ID:	B25S328039.D
Sampled:	11/17/25 11:30	Prepared:	11/20/25 15:25	Analyzed:	11/25/25 00:38
Solids:	87.91	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.07 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol		0.054	0.76	
1912-24-9	Atrazine		0.053	0.76	
100-52-7	Benzaldehyde		0.053	0.39	L-04, V-05, V-34
92-52-4	Biphenyl		0.043	0.076	
105-60-2	Caprolactam		0.067	0.39	
83-32-9	Acenaphthene		0.0042	0.037	
208-96-8	Acenaphthylene	0.010	0.0048	0.037	J
98-86-2	Acetophenone		0.040	0.39	
62-53-3	Aniline		0.073	0.39	V-34
120-12-7	Anthracene	0.0076	0.0043	0.037	J
56-55-3	Benzo(a)anthracene	0.037	0.0059	0.037	J
50-32-8	Benzo(a)pyrene	0.051	0.013	0.037	
205-99-2	Benzo(b)fluoranthene	0.065	0.0093	0.037	
191-24-2	Benzo(g,h,i)perylene	0.047	0.015	0.037	
207-08-9	Benzo(k)fluoranthene	0.026	0.0077	0.037	J
111-91-1	Bis(2-chloroethoxy)methane		0.039	0.39	
111-44-4	Bis(2-chloroethyl)ether		0.051	0.39	
108-60-1	2,2'-oxybis(1-Chloropropane)		0.16	0.39	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.052	0.39	
101-55-3	4-Bromophenylphenylether		0.034	0.39	
85-68-7	Butylbenzylphthalate		0.044	0.39	
86-74-8	Carbazole		0.040	0.19	
106-47-8	4-Chloroaniline		0.062	0.75	
59-50-7	4-Chloro-3-methylphenol		0.041	0.75	
91-58-7	2-Chloronaphthalene		0.034	0.39	
95-57-8	2-Chlorophenol		0.034	0.39	
7005-72-3	4-Chlorophenylphenylether		0.035	0.39	
218-01-9	Chrysene	0.040	0.0049	0.037	
53-70-3	Dibenz(a,h)anthracene		0.017	0.037	

1 - FORM I
ANALYSIS DATA SHEET

C-1 (2-12in)

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-10	File ID:	B25S328039.D
Sampled:	11/17/25 11:30	Prepared:	11/20/25 15:25	Analyzed:	11/25/25 00:38
Solids:	87.91	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.07 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
132-64-9	Dibenzofuran		0.038	0.39	
84-74-2	Di-n-butylphthalate		0.15	0.39	
91-94-1	3,3-Dichlorobenzidine		0.069	0.19	
120-83-2	2,4-Dichlorophenol		0.036	0.39	
84-66-2	Diethylphthalate		0.037	0.39	
105-67-9	2,4-Dimethylphenol		0.080	0.39	
131-11-3	Dimethylphthalate		0.034	0.39	
534-52-1	4,6-Dinitro-2-methylphenol		0.32	0.39	
51-28-5	2,4-Dinitrophenol		0.36	0.75	V-04, V-06
121-14-2	2,4-Dinitrotoluene		0.091	0.39	
606-20-2	2,6-Dinitrotoluene		0.048	0.39	
117-84-0	Di-n-octylphthalate		0.057	0.39	
206-44-0	Fluoranthene	0.042	0.0053	0.037	
86-73-7	Fluorene		0.0045	0.037	
118-74-1	Hexachlorobenzene		0.039	0.39	
87-68-3	Hexachlorobutadiene		0.040	0.39	
77-47-4	Hexachlorocyclopentadiene		0.19	0.39	
67-72-1	Hexachloroethane		0.035	0.39	
193-39-5	Indeno(1,2,3-cd)pyrene	0.052	0.015	0.037	
78-59-1	Isophorone		0.041	0.39	
90-12-0	1-Methylnaphthalene		0.0048	0.037	
91-57-6	2-Methylnaphthalene		0.0043	0.037	
95-48-7	2-Methylphenol		0.048	0.39	
108-39-4/106-4	3/4-Methylphenol		0.063	0.39	
91-20-3	Naphthalene		0.0054	0.037	
88-74-4	2-Nitroaniline		0.059	0.39	
99-09-2	3-Nitroaniline		0.050	0.39	
100-01-6	4-Nitroaniline		0.054	0.39	
98-95-3	Nitrobenzene		0.043	0.39	

1 - FORM I
ANALYSIS DATA SHEET

C-1 (2-12in)

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-10	File ID:	B25S328039.D
Sampled:	11/17/25 11:30	Prepared:	11/20/25 15:25	Analyzed:	11/25/25 00:38
Solids:	87.91	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.07 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833
Instrument:	GCMSSV2				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
88-75-5	2-Nitrophenol		0.040	0.39	
100-02-7	4-Nitrophenol		0.15	0.75	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.050	0.39	
621-64-7	N-Nitrosodi-n-propylamine		0.048	0.39	
87-86-5	Pentachlorophenol		0.049	0.39	
85-01-8	Phenanthrene	0.013	0.0039	0.037	J
108-95-2	Phenol		0.037	0.39	
129-00-0	Pyrene	0.041	0.0065	0.037	
110-86-1	Pyridine		0.049	0.39	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.037	0.39	
95-95-4	2,4,5-Trichlorophenol		0.039	0.39	
88-06-2	2,4,6-Trichlorophenol		0.034	0.39	

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328039.D
Acq On : 25 Nov 2025 12:38 am
Operator : BGL
Sample : 25K1213-10 Inst : GCMSSV2
Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Nov 25 00:54:15 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

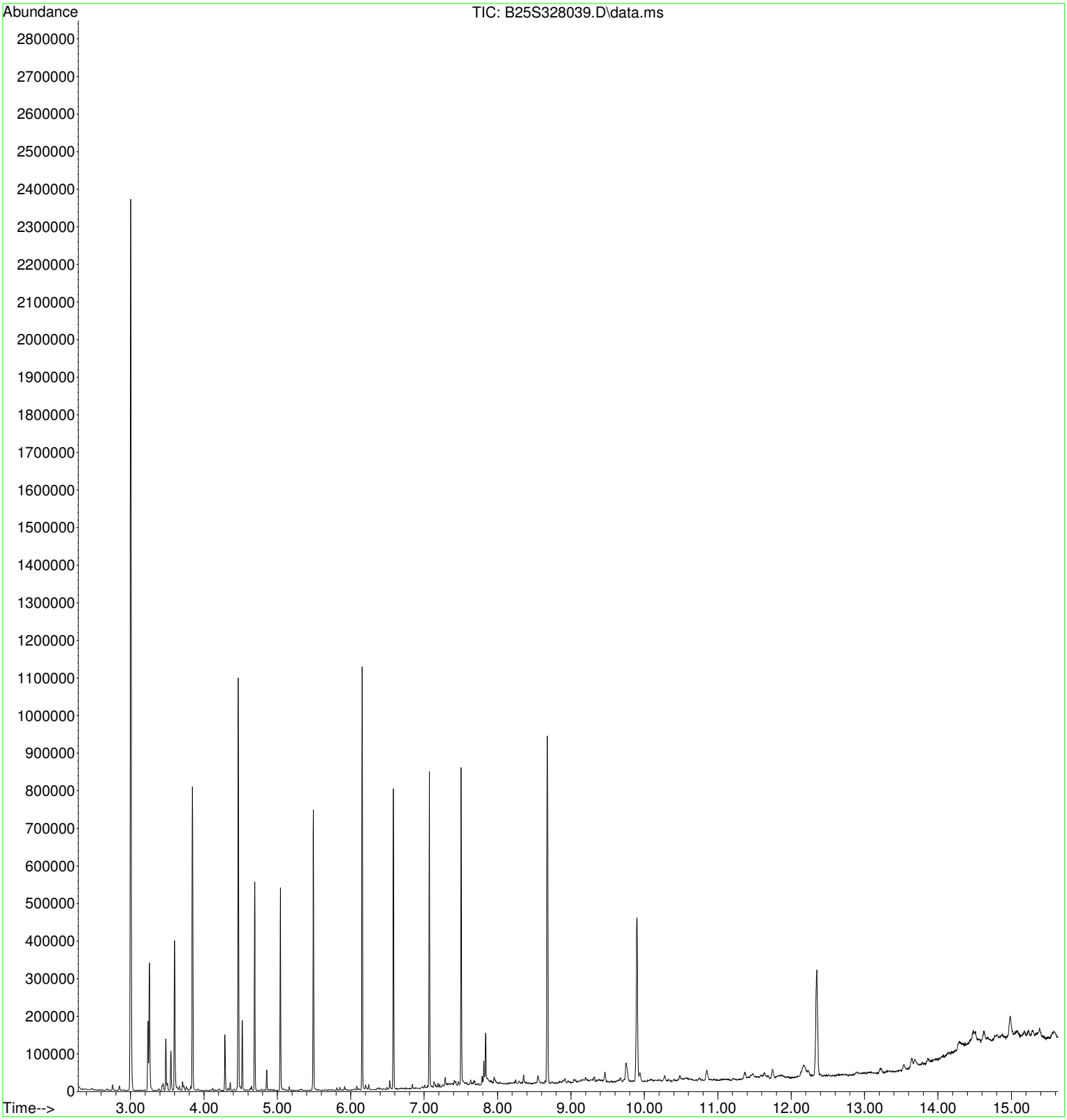
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.692	152	61566	40.00	ug/ml	-0.01
19) NAPHTHALENE-d8	5.492	136	231593	40.00	ug/ml	-0.01
35) ACENAPHTHENE-D10	6.582	164	122351	40.00	ug/ml	-0.01
58) PHENANTHRENE-D10	7.503	188	209157	40.00	ug/ml	-0.01
71) CHRYSENE-D12	9.899	240	187394	40.00	ug/ml	-0.02
80) PERYLENE-D12	12.350	264	166931	40.00	ug/ml	-0.01
88) 1,4-Dichlorobenzene-D4...	4.692	152	61566	40.00	ug/ml	-0.01
92) NAPHTHALENE-d8 (2)	5.492	136	231593	40.00	ug/ml	-0.01
95) ACENAPHTHENE-D10 (2)	6.582	164	122351	40.00	ug/ml	-0.01
System Monitoring Compounds						
2) 2-Fluorophenol	3.843	112	172996	100.57	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 50.29%			
3) Phenol-d6	4.468	99	283189	99.85	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 49.92%			
20) Nitrobenzene-d5	5.042	82	121000	52.50	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 52.50%			
36) 2-Fluorobiphenyl	6.155	172	232481	57.56	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 57.56%			
37) 2,4,6-Tribromophenol	7.073	330	62770	115.52	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 57.76%			
72) p-Terphenyl-d14	8.678	244	253996	65.45	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 65.45%			
Target Compounds						Qvalue
26) Benzoic Acid	5.317	122	338	0.30	ug/ml#	20
47) Acenaphthylene	6.497	152	1558	0.27	ug/ml	92
66) Phenanthrene	7.518	178	2314	0.35	ug/ml	92
67) Anthracene	7.549	178	1339	0.20	ug/ml	98
70) Flouranthene	8.356	202	7246	1.12	ug/ml	94
74) Pyrene	8.549	202	7456	1.08	ug/ml	95
77) Benzo(a)anthracene	9.884	228	6157	0.97	ug/ml	88
78) Chrysene	9.930	228	6551m	1.05	ug/ml	
82) Benzo(b)fluoranthene	11.632	252	8769	1.71	ug/ml	71
83) Benzo(k)fluoranthene	11.681	252	3501	0.69	ug/ml	95
84) Benzo(a)pyrene	12.234	252	6356	1.34	ug/ml	89
85) Indeno(1,2,3-cd)pyrene	14.304	276	5843	1.38	ug/ml#	63
86) Dibenz(a,h)anthracene	14.351	278	960	0.22	ug/ml#	77
87) Benzo(g,h,i)perylene	14.675	276	5831	1.24	ug/ml	77
90) Benzaldehyde	4.414	106	655	0.32	ug/ml#	83

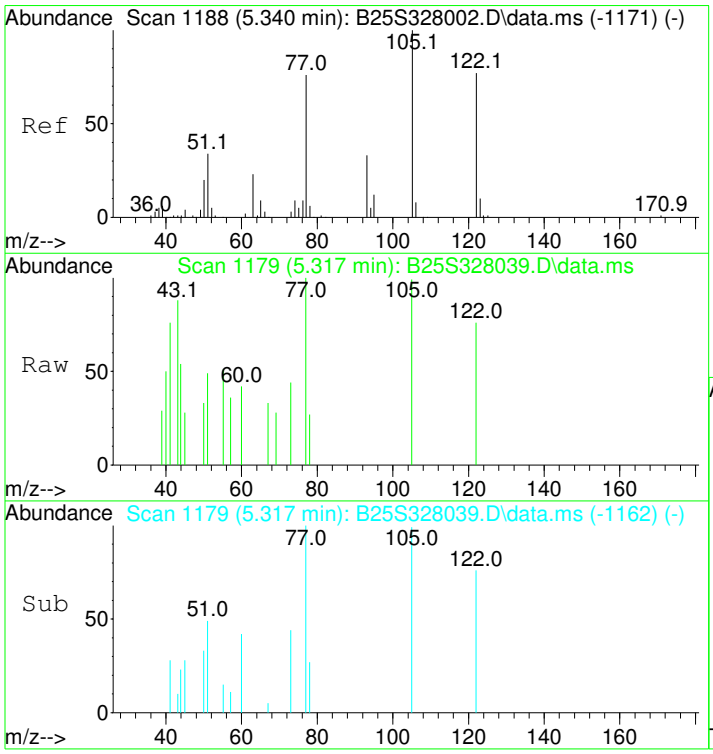
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328039.D
Acq On : 25 Nov 2025 12:38 am
Operator : BGL
Sample : 25K1213-10 Inst : GCMSSV2
Misc :
ALS Vial : 39 Sample Multiplier: 1

353

Quant Time: Nov 25 00:54:15 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

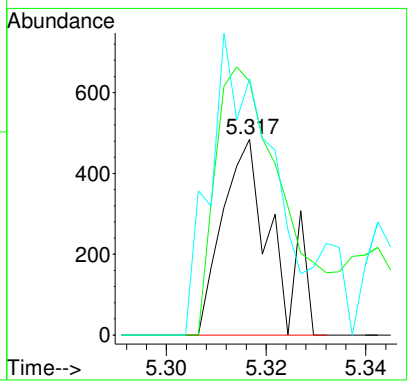


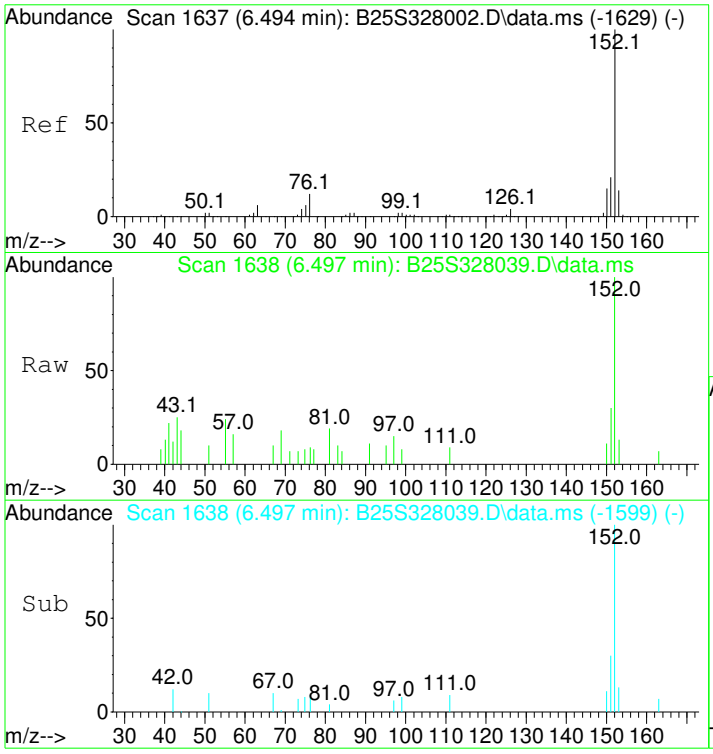


#26
Benzoic Acid
Concen: 0.30 ug/ml
RT: 5.317 min Scan# 1179
Delta R.T. -0.023 min
Lab File: B25S328039.D
Acq: 25 Nov 2025 12:38 am

Tgt Ion:122 Resp: 338

Ion	Ratio	Lower	Upper
122	100		
105	182.5	95.4	135.4#
77	180.2	64.2	104.2#

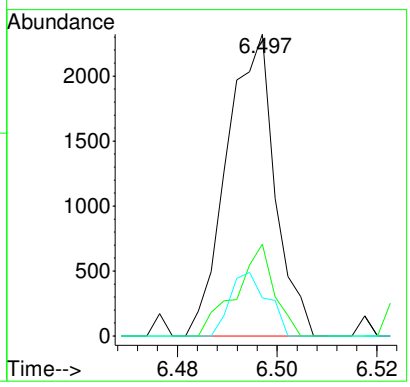


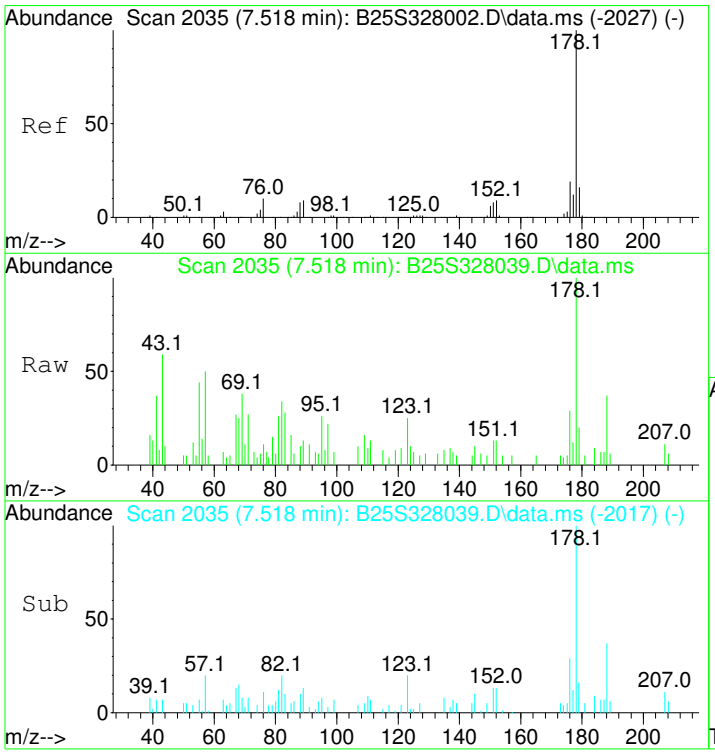


#47
Acenaphthylene
Concen: 0.27 ug/ml
RT: 6.497 min Scan# 1638
Delta R.T. -0.008 min
Lab File: B25S328039.D
Acq: 25 Nov 2025 12:38 am

Tgt Ion:152 Resp: 1558

Ion	Ratio	Lower	Upper
152	100		
151	24.3	1.0	41.0
153	16.4	0.0	33.1

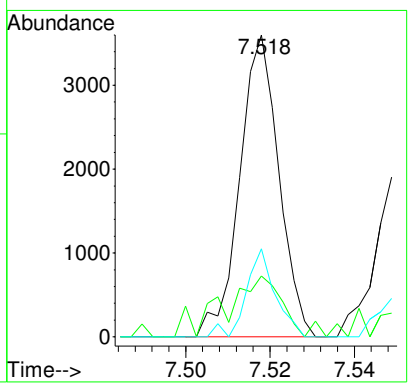


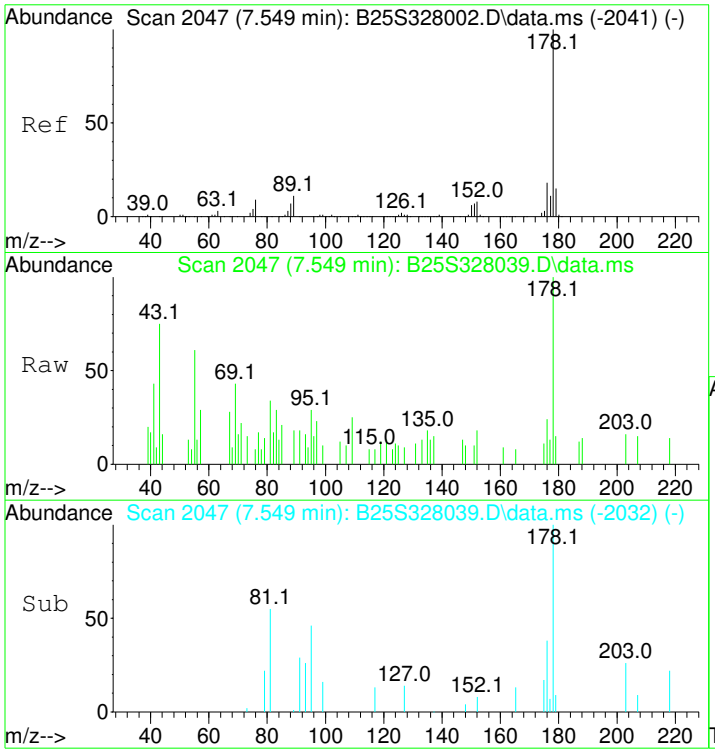


#66
Phenanthrene
Concen: 0.35 ug/ml
RT: 7.518 min Scan# 2035
Delta R.T. -0.010 min
Lab File: B25S328039.D
Acq: 25 Nov 2025 12:38 am

Tgt Ion:178 Resp: 2314

Ion	Ratio	Lower	Upper
178	100		
179	20.2	0.0	35.5
176	21.6	0.0	39.0

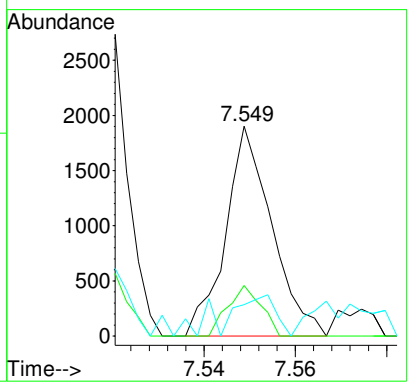


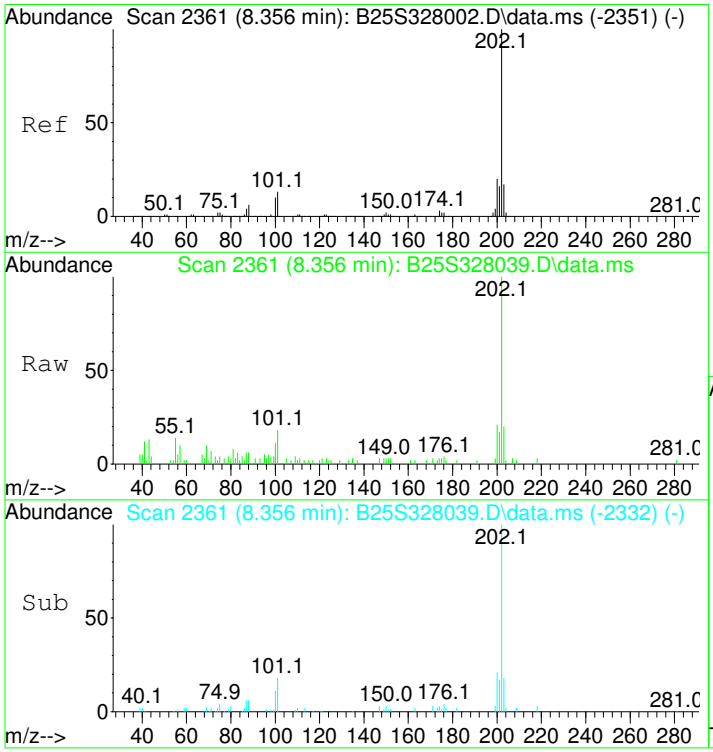


#67
Anthracene
Concen: 0.20 ug/ml
RT: 7.549 min Scan# 2047
Delta R.T. -0.013 min
Lab File: B25S328039.D
Acq: 25 Nov 2025 12:38 am

Tgt Ion:178 Resp: 1339

Ion	Ratio	Lower	Upper
178	100		
176	17.4	0.0	38.3
179	16.1	0.0	35.5

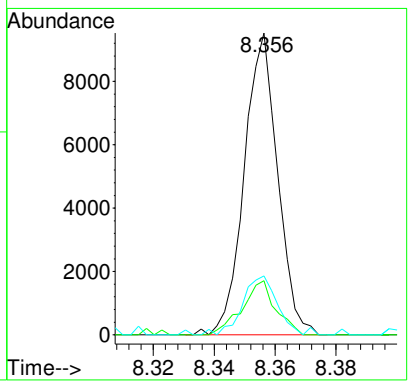


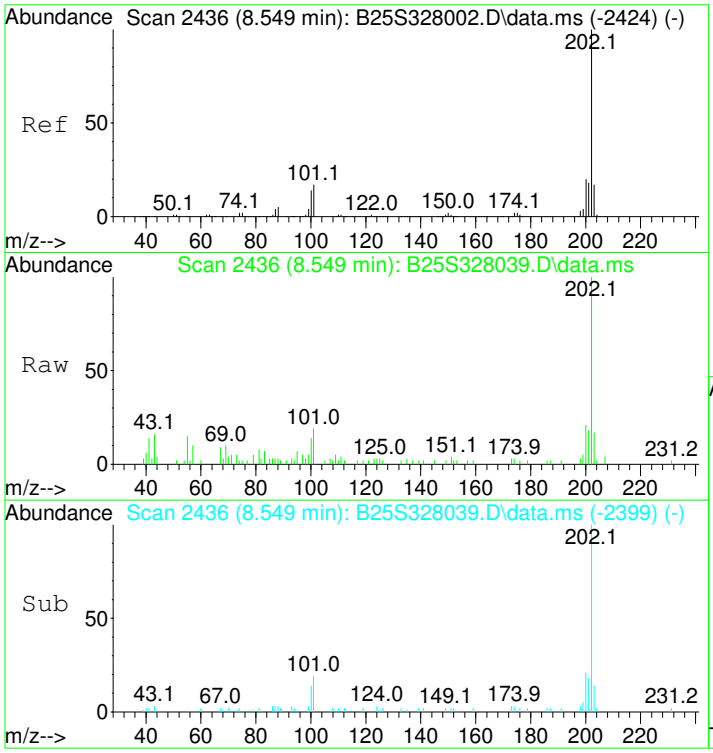


#70
Flouranthene
Concen: 1.12 ug/ml
RT: 8.356 min Scan# 2361
Delta R.T. -0.010 min
Lab File: B25S328039.D
Acq: 25 Nov 2025 12:38 am

Tgt Ion:202 Resp: 7246

Ion	Ratio	Lower	Upper
202	100		
101	18.0	0.0	36.2
203	20.5	0.0	37.5

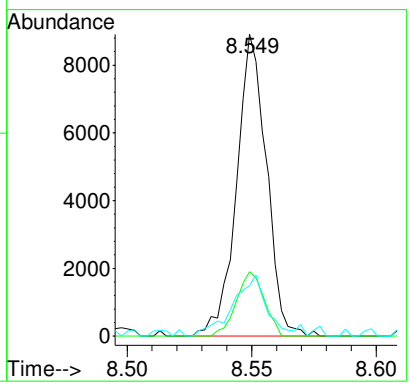


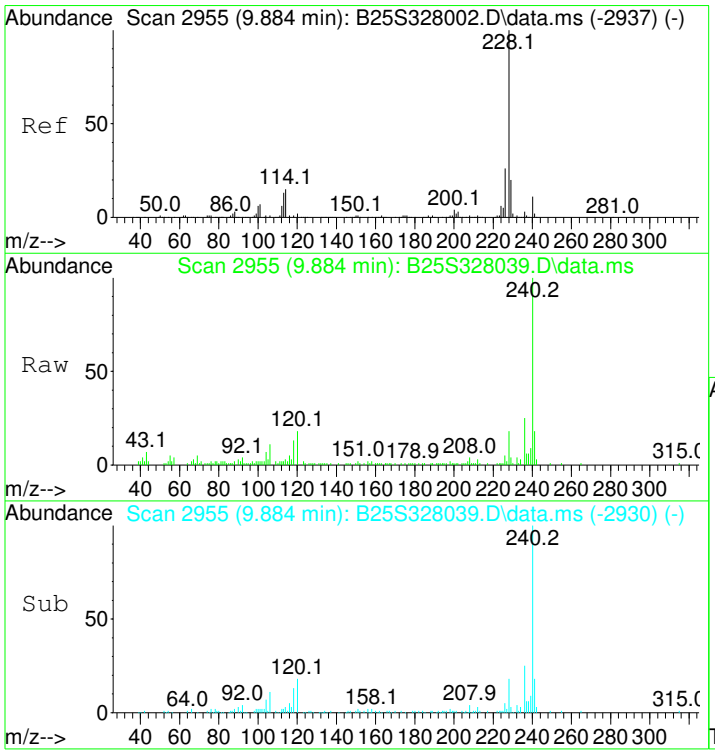


#74
Pyrene
Concen: 1.08 ug/ml
RT: 8.549 min Scan# 2436
Delta R.T. -0.013 min
Lab File: B25S328039.D
Acq: 25 Nov 2025 12:38 am

Tgt Ion:202 Resp: 7456

Ion	Ratio	Lower	Upper
202	100		
200	19.7	0.1	40.1
203	22.8	0.0	38.1

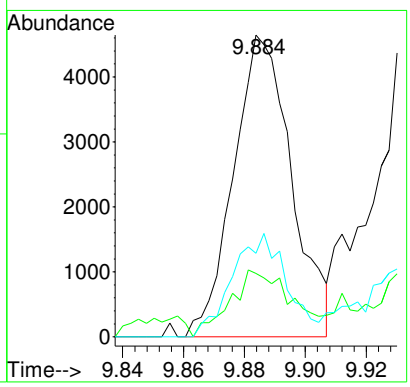


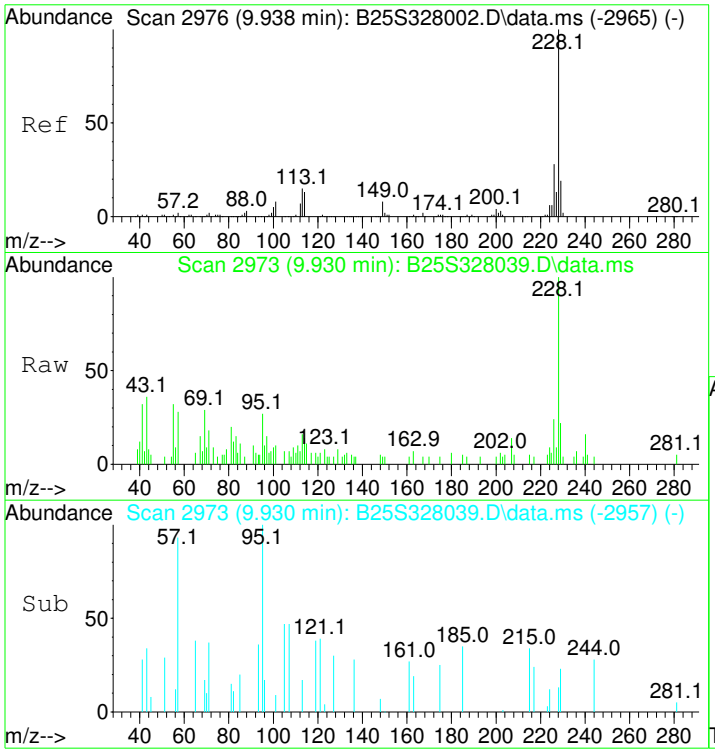


#77
Benzo(a)anthracene
Concen: 0.97 ug/ml
RT: 9.884 min Scan# 2955
Delta R.T. -0.018 min
Lab File: B25S328039.D
Acq: 25 Nov 2025 12:38 am

Tgt Ion:228 Resp: 6157

Ion	Ratio	Lower	Upper
228	100		
229	23.2	0.0	38.9
226	31.9	4.9	44.9

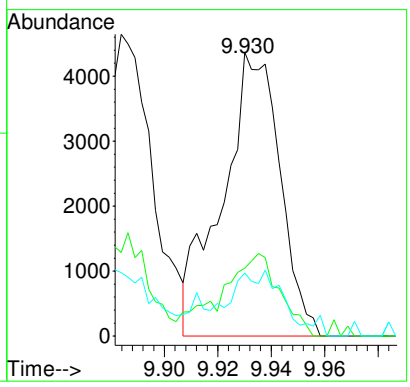


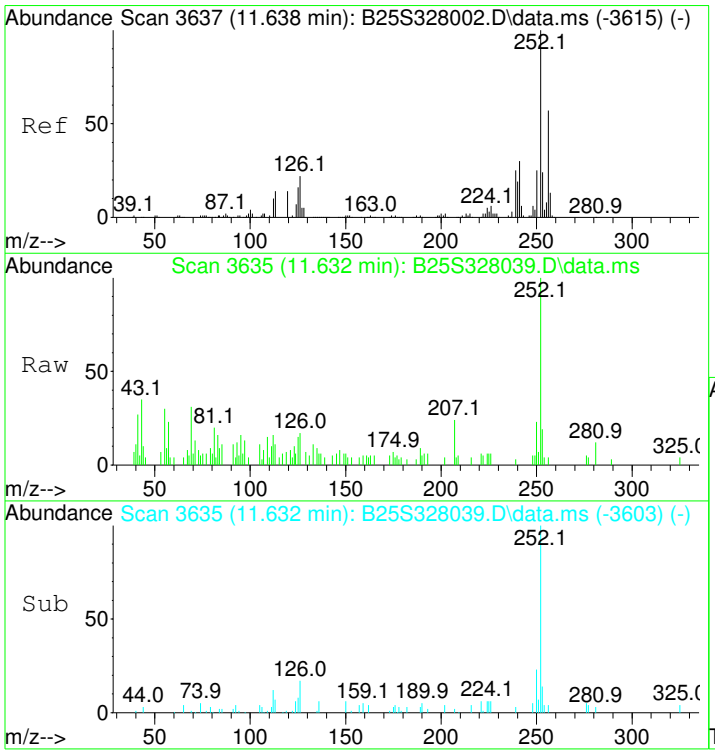


#78
Chrysene
Concen: 1.05 ug/ml m
RT: 9.930 min Scan# 2973
Delta R.T. -0.023 min
Lab File: B25S328039.D
Acq: 25 Nov 2025 12:38 am

Tgt Ion:228 Resp: 6551

Ion	Ratio	Lower	Upper
228	100		
226	16.0	8.1	48.1
229	8.7	0.0	38.9

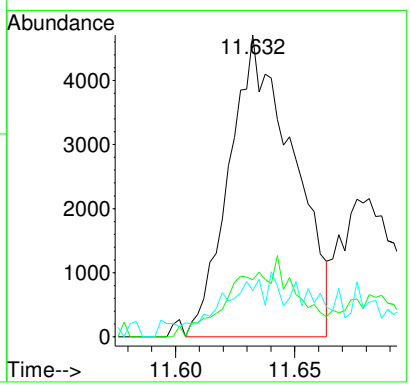


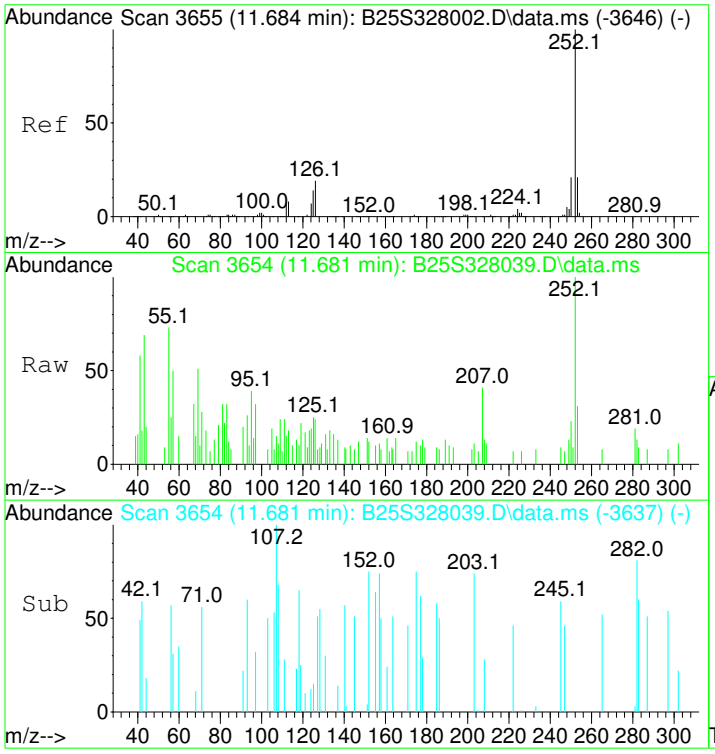


#82
Benzo(b)fluoranthene
Concen: 1.71 ug/ml
RT: 11.632 min Scan# 3635
Delta R.T. -0.020 min
Lab File: B25S328039.D
Acq: 25 Nov 2025 12:38 am

Tgt Ion:252 Resp: 8769

Ion	Ratio	Lower	Upper
252	100		
253	3.7	2.2	42.2
125	8.8	0.0	34.5

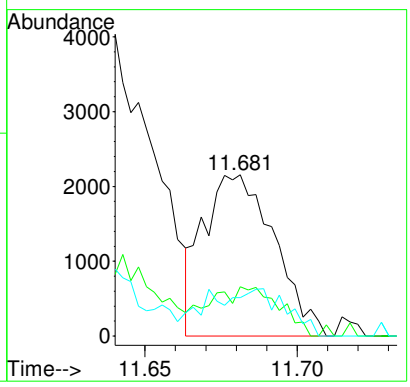


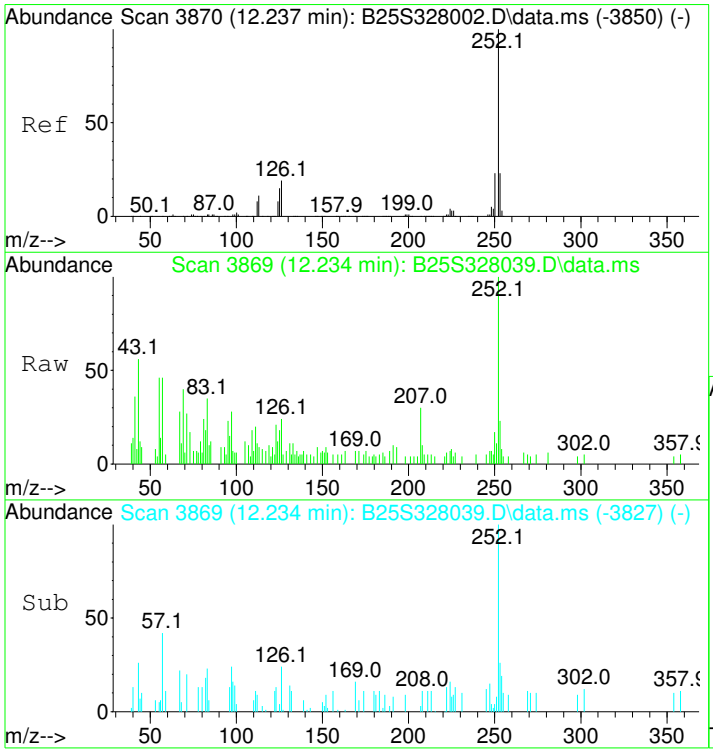


#83
Benzo(k)fluoranthene
Concen: 0.69 ug/ml
RT: 11.681 min Scan# 3654
Delta R.T. -0.023 min
Lab File: B25S328039.D
Acq: 25 Nov 2025 12:38 am

Tgt Ion:252 Resp: 3501

Ion	Ratio	Lower	Upper
252	100		
253	18.1	0.7	40.7
126	21.2	0.0	39.4

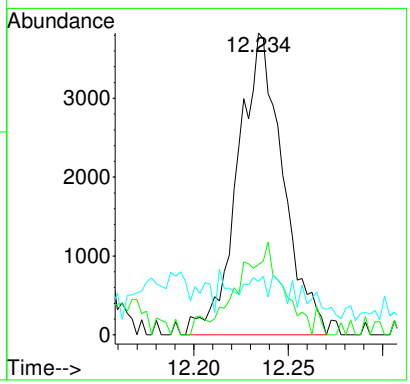


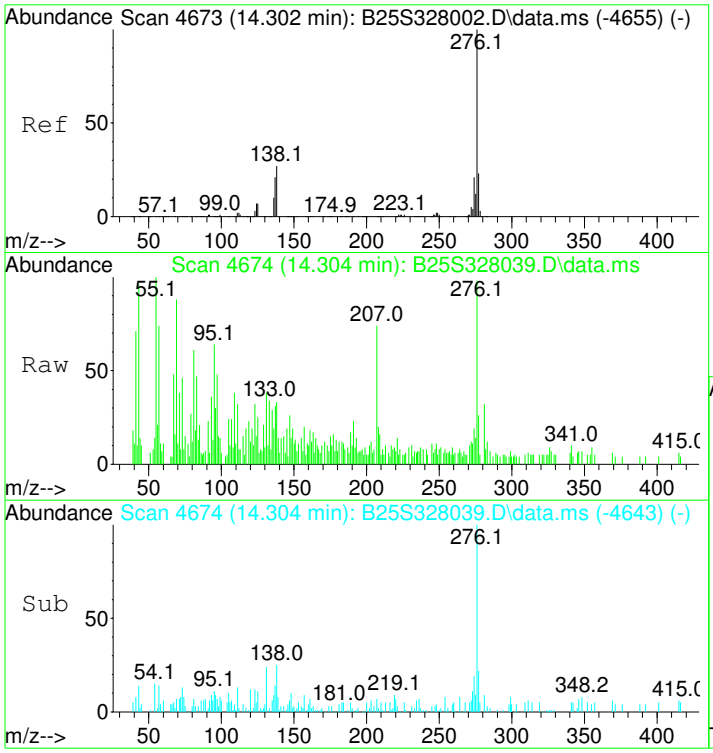


#84
Benzo(a)pyrene
Concen: 1.34 ug/ml
RT: 12.234 min Scan# 3869
Delta R.T. -0.018 min
Lab File: B25S328039.D
Acq: 25 Nov 2025 12:38 am

Tgt Ion:252 Resp: 6356

Ion	Ratio	Lower	Upper
252	100		
253	16.4	0.4	40.4
125	7.9	0.0	34.0

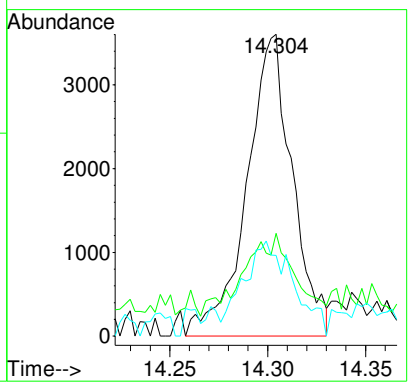


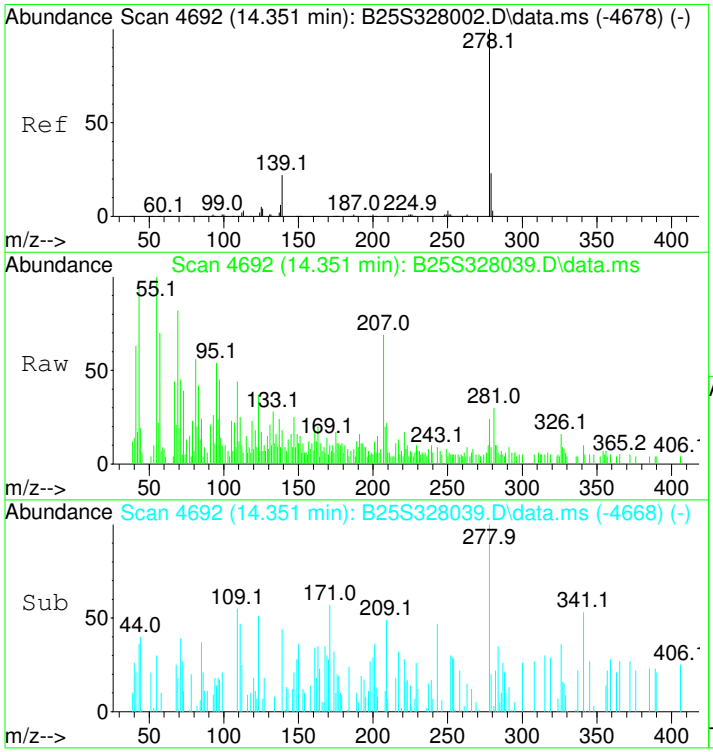


#85
Indeno(1,2,3-cd)pyrene
Concen: 1.38 ug/ml
RT: 14.304 min Scan# 4674
Delta R.T. -0.010 min
Lab File: B25S328039.D
Acq: 25 Nov 2025 12:38 am

Tgt Ion:276 Resp: 5843

Ion	Ratio	Lower	Upper
276	100		
138	12.0	5.0	45.0
277	0.0	4.1	44.1#

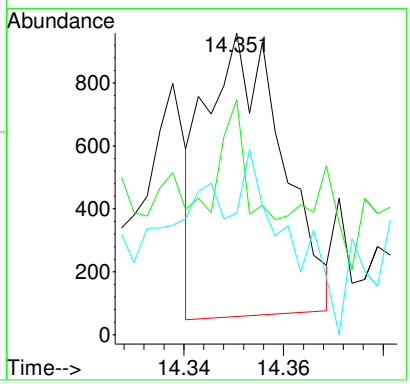


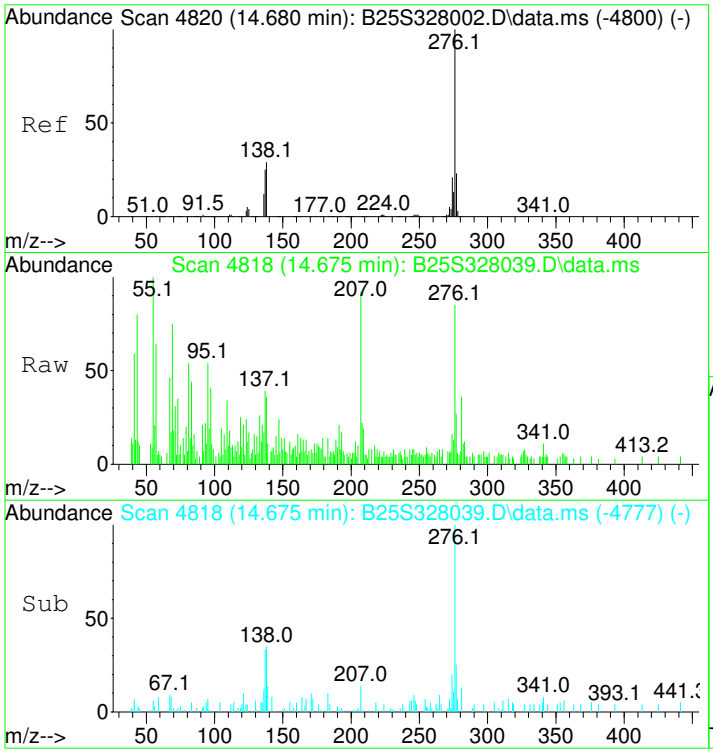


#86
Dibenz(a,h)anthracene
Concen: 0.22 ug/ml
RT: 14.351 min Scan# 4692
Delta R.T. -0.010 min
Lab File: B25S328039.D
Acq: 25 Nov 2025 12:38 am

Tgt Ion:278 Resp: 960

Ion	Ratio	Lower	Upper
278	100		
139	20.9	1.1	41.1
279	44.4	3.5	43.5#

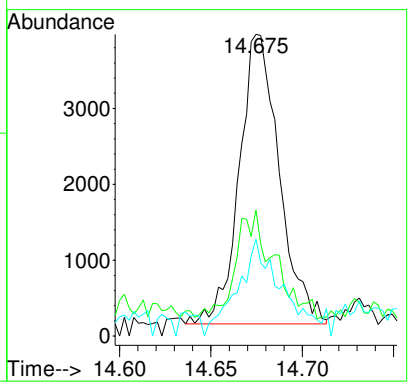


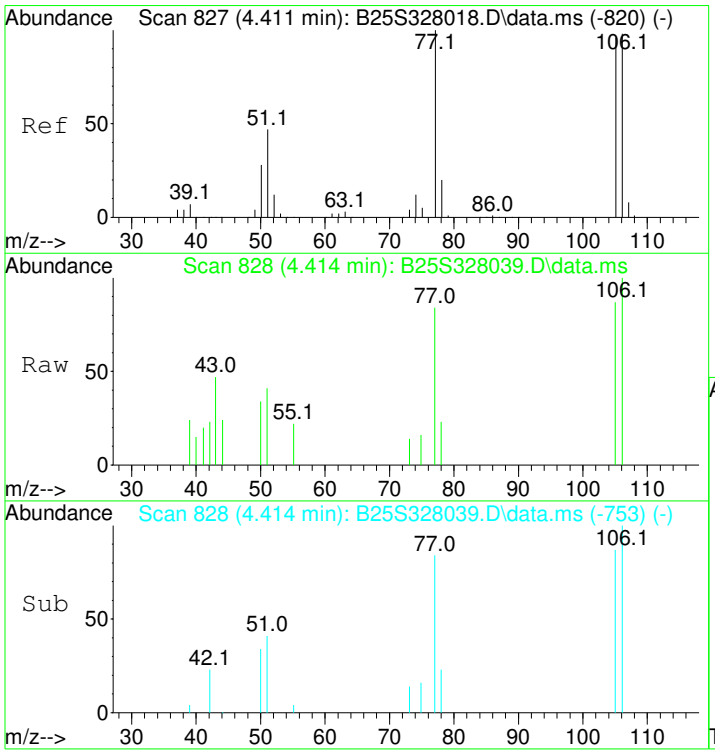


#87
Benzo(g,h,i)perylene
Concen: 1.24 ug/ml
RT: 14.675 min Scan# 4818
Delta R.T. -0.013 min
Lab File: B25S328039.D
Acq: 25 Nov 2025 12:38 am

Tgt Ion:276 Resp: 5831

Ion	Ratio	Lower	Upper
276	100		
138	35.0	5.6	45.6
277	36.7	3.2	43.2

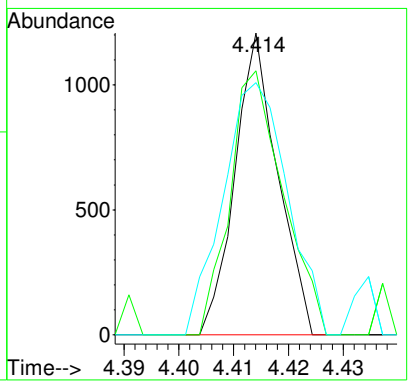




#90
Benzaldehyde
Concen: 0.32 ug/ml
RT: 4.414 min Scan# 828
Delta R.T. -0.008 min
Lab File: B25S328039.D
Acq: 25 Nov 2025 12:38 am

Tgt Ion:106 Resp: 655

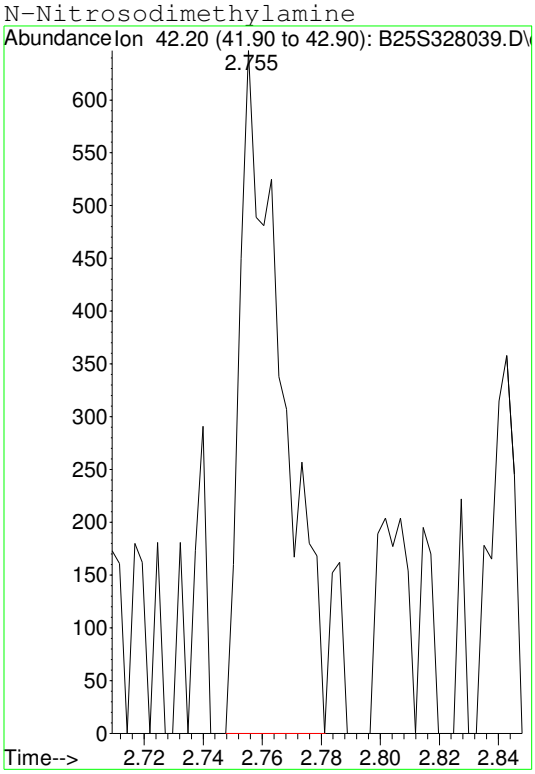
Ion	Ratio	Lower	Upper
106	100		
105	109.2	79.4	119.2
77	126.3	81.3	121.9#



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328039.D
Acq On : 25 Nov 2025 12:38 am
Operator : BGL
Sample : 25K1213-10
Misc :

Quant Time : Tue Nov 25 11:01:12 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
N-Nitrosodimethylamine



Original Int. Results

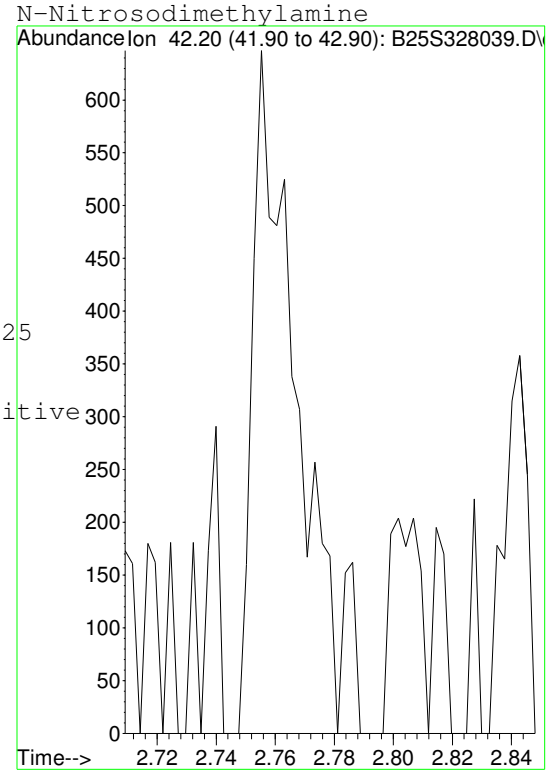
RT : 2.76
Area : 643
Amount: 0.586514

Manual Int. Results

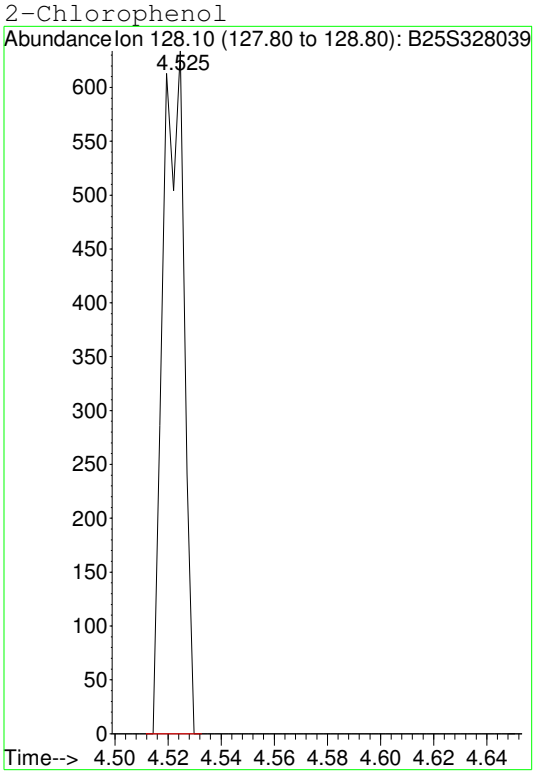
Tue Nov 25 11:00:27 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
N-Nitrosodimethylamine



Original Integration
2-Chlorophenol



Original Int. Results

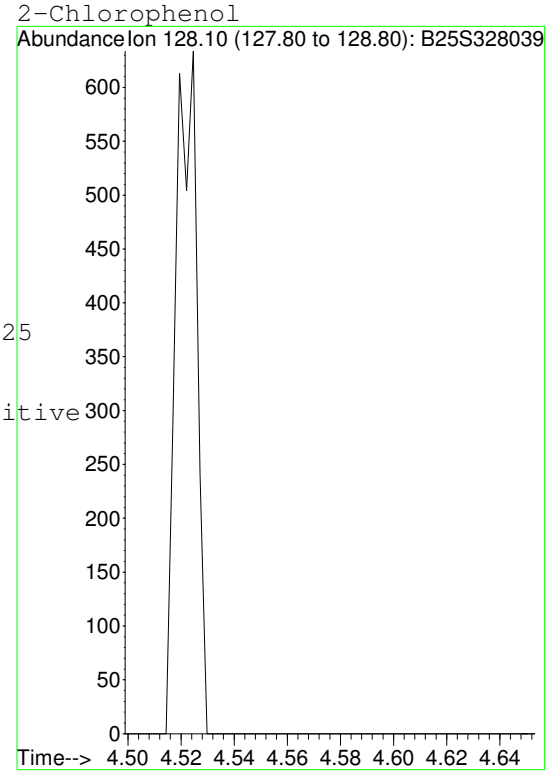
RT : 4.52
Area : 352
Amount: 0.145247

Manual Int. Results

Tue Nov 25 11:00:27 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

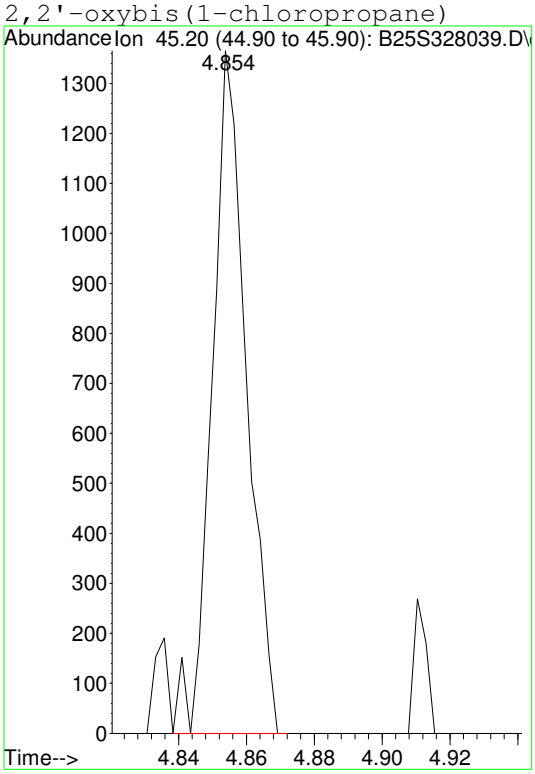
Manual Integration
2-Chlorophenol



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328039.D
Acq On : 25 Nov 2025 12:38 am
Operator : BGL
Sample : 25K1213-10
Misc :

Quant Time : Tue Nov 25 11:01:12 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
2,2'-oxybis(1-chloropropane)



Original Int. Results

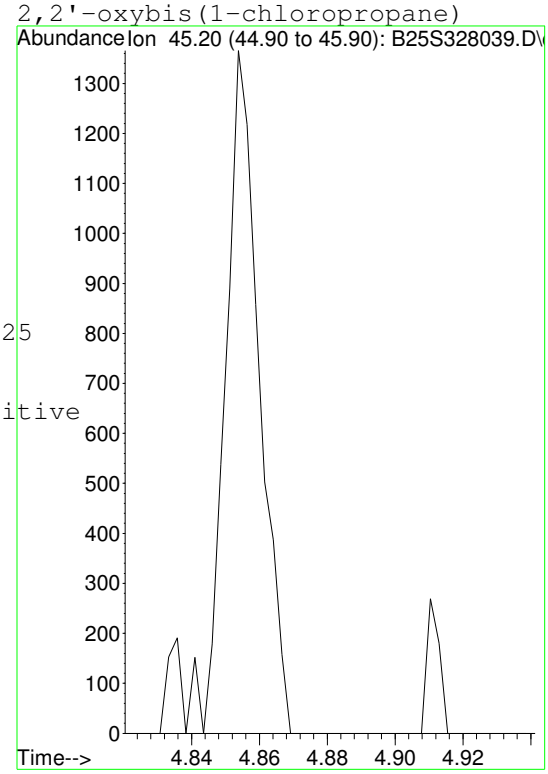
RT : 4.85
Area : 964
Amount: 0.376398

Manual Int. Results

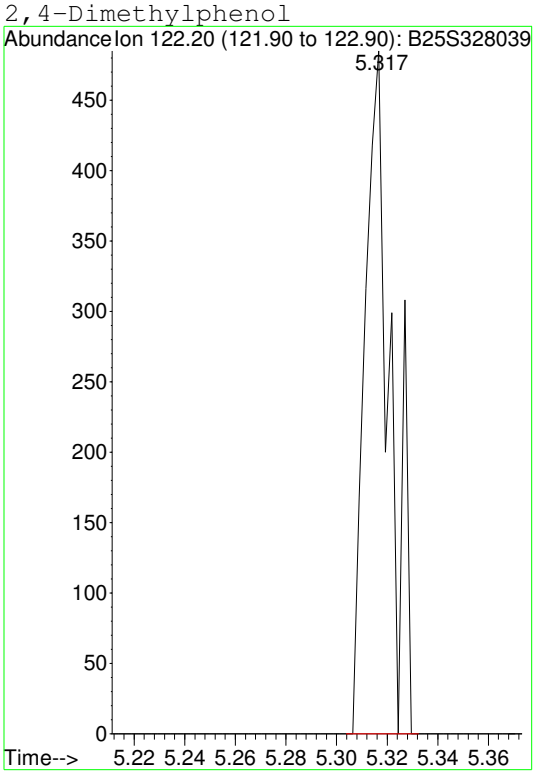
Tue Nov 25 11:00:27 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2,2'-oxybis(1-chloropropane)



Original Integration
2,4-Dimethylphenol



Original Int. Results

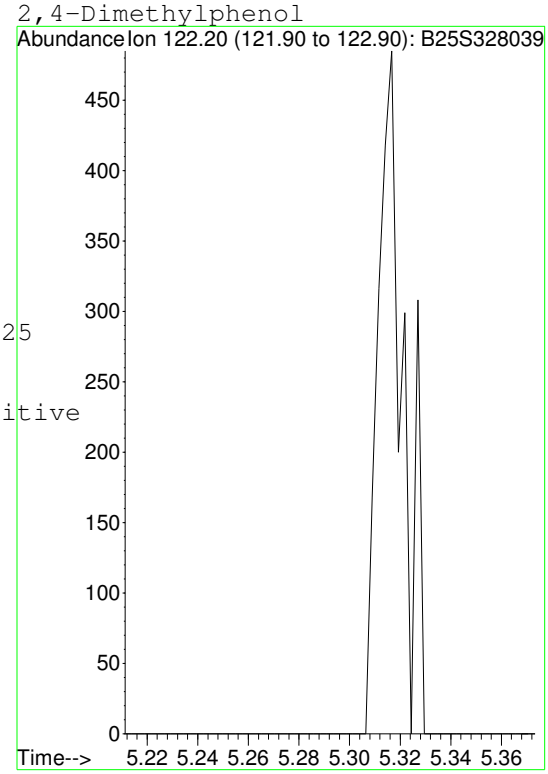
RT : 5.32
Area : 338
Amount: 0.182741

Manual Int. Results

Tue Nov 25 11:00:26 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

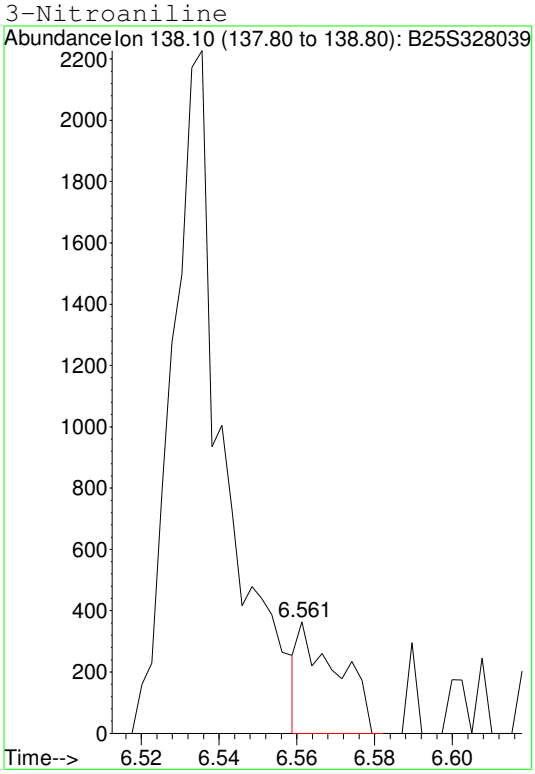
Manual Integration
2,4-Dimethylphenol



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328039.D
Acq On : 25 Nov 2025 12:38 am
Operator : BGL
Sample : 25K1213-10
Misc :

Quant Time : Tue Nov 25 11:01:12 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
3-Nitroaniline



Original Int. Results

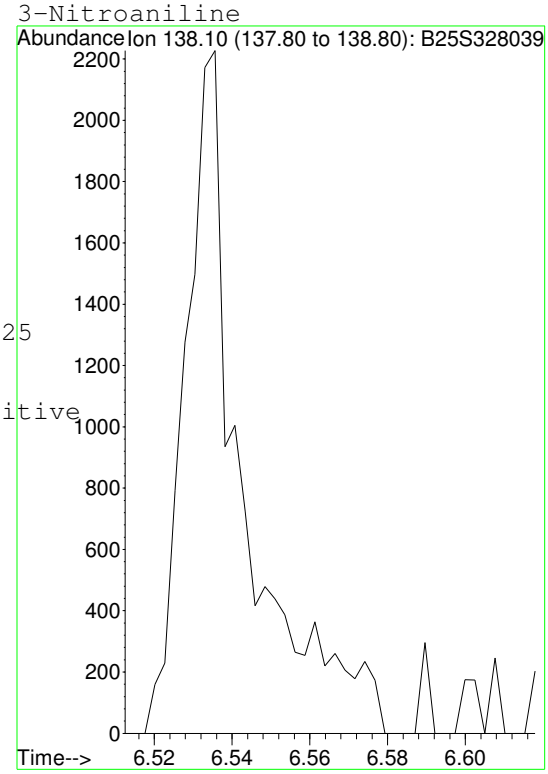
RT : 6.56
Area : 252
Amount: 0.230294

Manual Int. Results

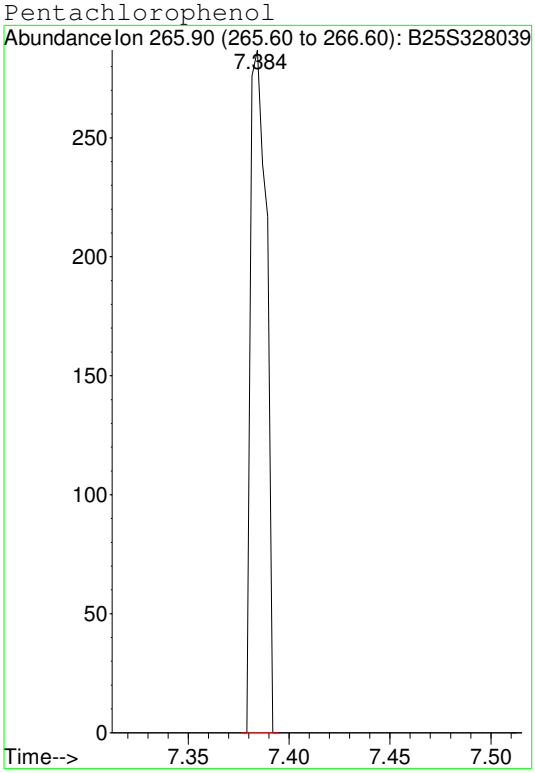
Tue Nov 25 11:00:26 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
3-Nitroaniline



Original Integration
Pentachlorophenol



Original Int. Results

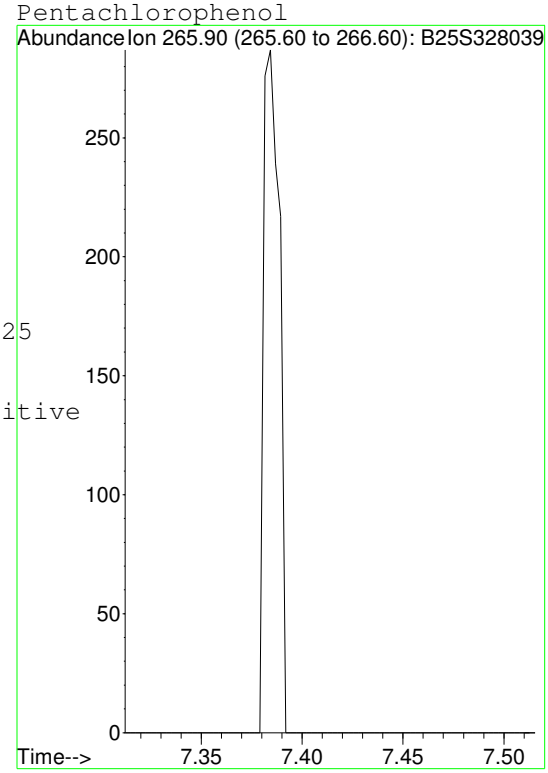
RT : 7.38
Area : 157
Amount: 0.18733

Manual Int. Results

Tue Nov 25 11:00:41 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

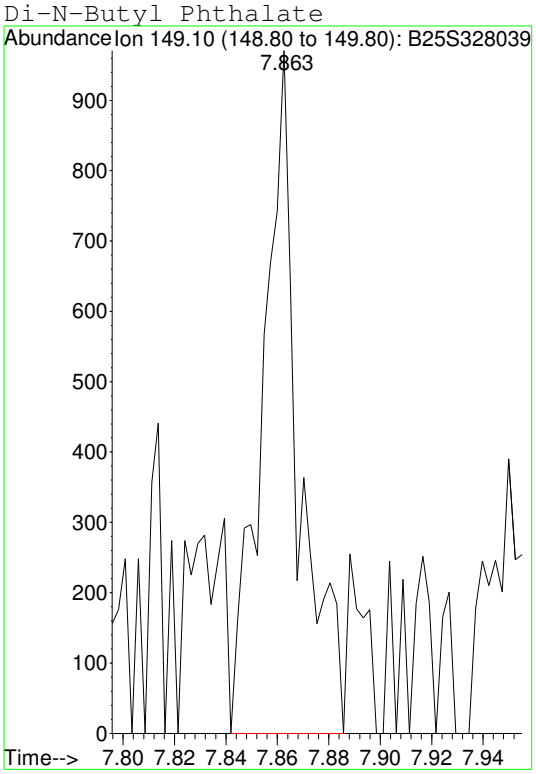
Manual Integration
Pentachlorophenol



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328039.D
Acq On : 25 Nov 2025 12:38 am
Operator : BGL
Sample : 25K1213-10
Misc :

Quant Time : Tue Nov 25 11:01:12 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Di-N-Butyl Phthalate



Original Int. Results

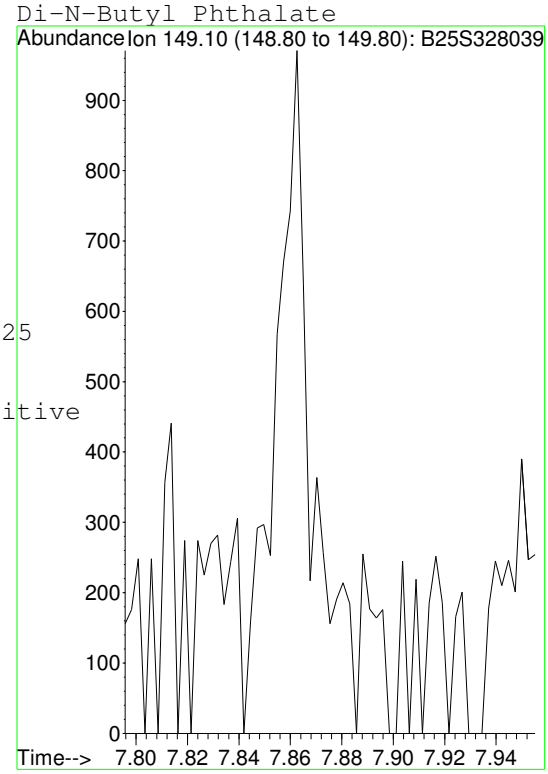
RT : 7.86
Area : 953
Amount: 0.160686

Manual Int. Results

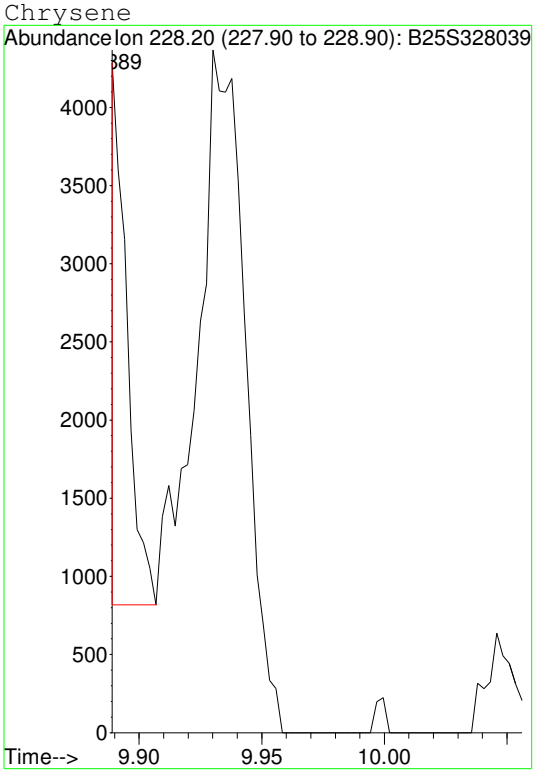
Tue Nov 25 11:00:48 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Di-N-Butyl Phthalate



Original Integration
Chrysene



Original Int. Results

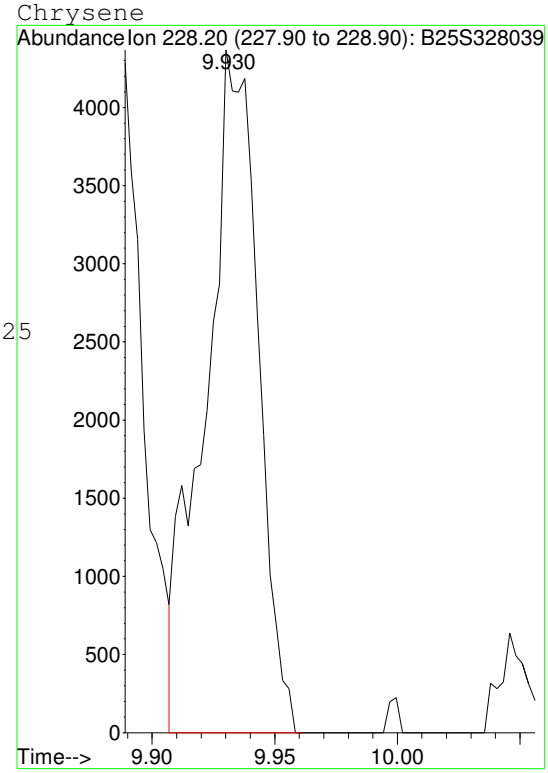
RT : 9.88
Area : 3304
Amount: 0.528585

Manual Int. Results

Tue Nov 25 11:01:06 2025

MIuser: BGL
Reason: Other
RT : 9.93
Area : 6551
Amount: 1.04805

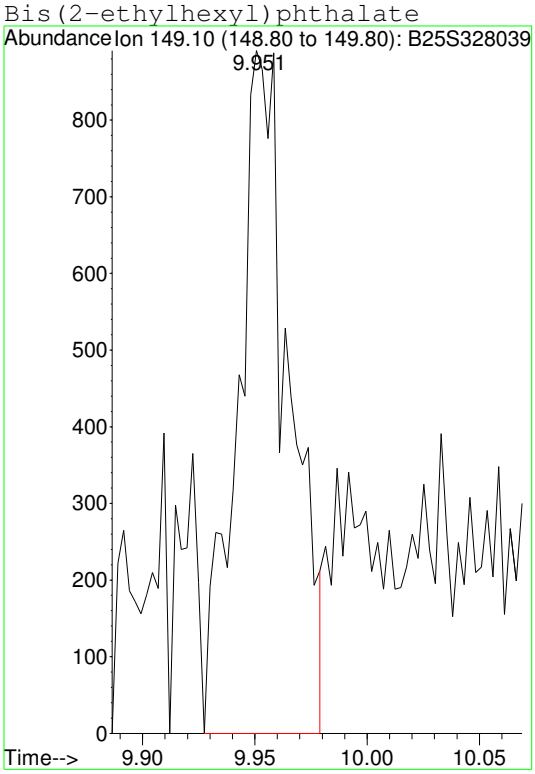
Manual Integration
Chrysene



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328039.D
Acq On : 25 Nov 2025 12:38 am
Operator : BGL
Sample : 25K1213-10
Misc :

Quant Time : Tue Nov 25 11:01:12 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Bis(2-ethylhexyl)phthalate



Original Int. Results

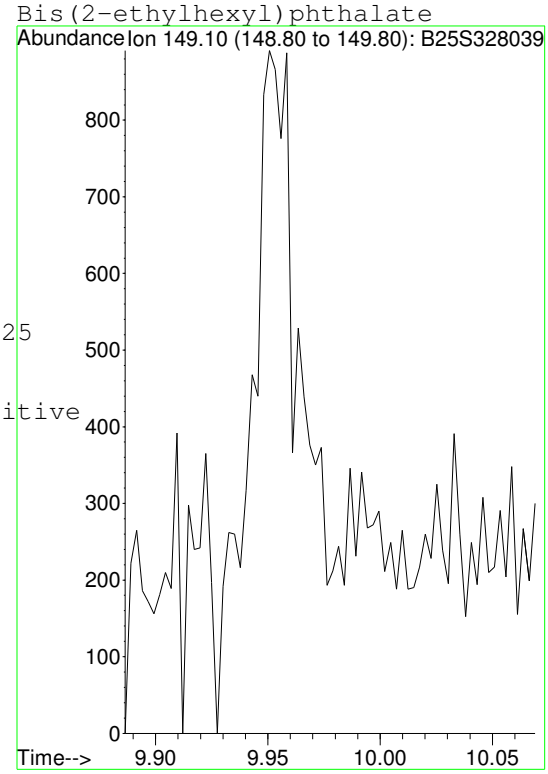
RT : 9.95
Area : 1427
Amount: 0.496336

Manual Int. Results

Tue Nov 25 11:01:12 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Bis(2-ethylhexyl)phthalate



1 - FORM I
ANALYSIS DATA SHEET

B-1 (0-2in)

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-11	File ID:	B25S328040.D
Sampled:	11/17/25 11:45	Prepared:	11/20/25 15:25	Analyzed:	11/25/25 01:02
Solids:	79.30	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.07 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol		0.060	0.84	
1912-24-9	Atrazine		0.058	0.84	
100-52-7	Benzaldehyde		0.059	0.43	L-04, V-05, V-34
92-52-4	Biphenyl		0.048	0.084	
105-60-2	Caprolactam		0.074	0.43	
83-32-9	Acenaphthene		0.0047	0.042	
208-96-8	Acenaphthylene	0.023	0.0053	0.042	J
98-86-2	Acetophenone		0.045	0.43	
62-53-3	Aniline		0.081	0.43	V-34
120-12-7	Anthracene	0.015	0.0048	0.042	J
56-55-3	Benzo(a)anthracene	0.096	0.0065	0.042	
50-32-8	Benzo(a)pyrene	0.12	0.014	0.042	
205-99-2	Benzo(b)fluoranthene	0.20	0.010	0.042	
191-24-2	Benzo(g,h,i)perylene	0.096	0.016	0.042	
207-08-9	Benzo(k)fluoranthene	0.065	0.0086	0.042	
111-91-1	Bis(2-chloroethoxy)methane		0.043	0.43	
111-44-4	Bis(2-chloroethyl)ether		0.057	0.43	
108-60-1	2,2'-oxybis(1-Chloropropane)		0.17	0.43	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.058	0.43	
101-55-3	4-Bromophenylphenylether		0.038	0.43	
85-68-7	Butylbenzylphthalate		0.048	0.43	
86-74-8	Carbazole		0.044	0.21	
106-47-8	4-Chloroaniline		0.069	0.83	
59-50-7	4-Chloro-3-methylphenol		0.045	0.83	
91-58-7	2-Chloronaphthalene		0.037	0.43	
95-57-8	2-Chlorophenol		0.037	0.43	
7005-72-3	4-Chlorophenylphenylether		0.039	0.43	
218-01-9	Chrysene	0.15	0.0054	0.042	
53-70-3	Dibenz(a,h)anthracene	0.029	0.019	0.042	J

1 - FORM I
ANALYSIS DATA SHEET

B-1 (0-2in)

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-11	File ID:	B25S328040.D
Sampled:	11/17/25 11:45	Prepared:	11/20/25 15:25	Analyzed:	11/25/25 01:02
Solids:	79.30	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.07 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
132-64-9	Dibenzofuran		0.042	0.43	
84-74-2	Di-n-butylphthalate		0.16	0.43	
91-94-1	3,3-Dichlorobenzidine		0.076	0.21	
120-83-2	2,4-Dichlorophenol		0.040	0.43	
84-66-2	Diethylphthalate		0.042	0.43	
105-67-9	2,4-Dimethylphenol		0.088	0.43	
131-11-3	Dimethylphthalate		0.038	0.43	
534-52-1	4,6-Dinitro-2-methylphenol		0.35	0.43	
51-28-5	2,4-Dinitrophenol		0.40	0.83	V-04, V-06
121-14-2	2,4-Dinitrotoluene		0.10	0.43	
606-20-2	2,6-Dinitrotoluene		0.054	0.43	
117-84-0	Di-n-octylphthalate		0.063	0.43	
206-44-0	Fluoranthene	0.21	0.0059	0.042	
86-73-7	Fluorene	0.0084	0.0050	0.042	J
118-74-1	Hexachlorobenzene		0.043	0.43	
87-68-3	Hexachlorobutadiene		0.044	0.43	
77-47-4	Hexachlorocyclopentadiene		0.21	0.43	
67-72-1	Hexachloroethane		0.038	0.43	
193-39-5	Indeno(1,2,3-cd)pyrene	0.11	0.017	0.042	
78-59-1	Isophorone		0.046	0.43	
90-12-0	1-Methylnaphthalene	0.014	0.0053	0.042	J
91-57-6	2-Methylnaphthalene	0.020	0.0048	0.042	J
95-48-7	2-Methylphenol		0.054	0.43	
108-39-4/106-4	3/4-Methylphenol		0.070	0.43	
91-20-3	Naphthalene	0.018	0.0060	0.042	J
88-74-4	2-Nitroaniline		0.066	0.43	
99-09-2	3-Nitroaniline		0.056	0.43	
100-01-6	4-Nitroaniline		0.060	0.43	
98-95-3	Nitrobenzene		0.048	0.43	

1 - FORM I
ANALYSIS DATA SHEET

B-1 (0-2in)

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-11	File ID:	B25S328040.D
Sampled:	11/17/25 11:45	Prepared:	11/20/25 15:25	Analyzed:	11/25/25 01:02
Solids:	79.30	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.07 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833
				Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
88-75-5	2-Nitrophenol		0.044	0.43	
100-02-7	4-Nitrophenol		0.17	0.83	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.055	0.43	
621-64-7	N-Nitrosodi-n-propylamine		0.053	0.43	
87-86-5	Pentachlorophenol		0.054	0.43	
85-01-8	Phenanthrene	0.089	0.0043	0.042	
108-95-2	Phenol		0.041	0.43	
129-00-0	Pyrene	0.17	0.0072	0.042	
110-86-1	Pyridine		0.054	0.43	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.041	0.43	
95-95-4	2,4,5-Trichlorophenol		0.043	0.43	
88-06-2	2,4,6-Trichlorophenol		0.037	0.43	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328040.D
Acq On : 25 Nov 2025 1:02 am
Operator : BGL
Sample : 25K1213-11 Inst : GCMSSV2
Misc :
ALS Vial : 40 Sample Multiplier: 1

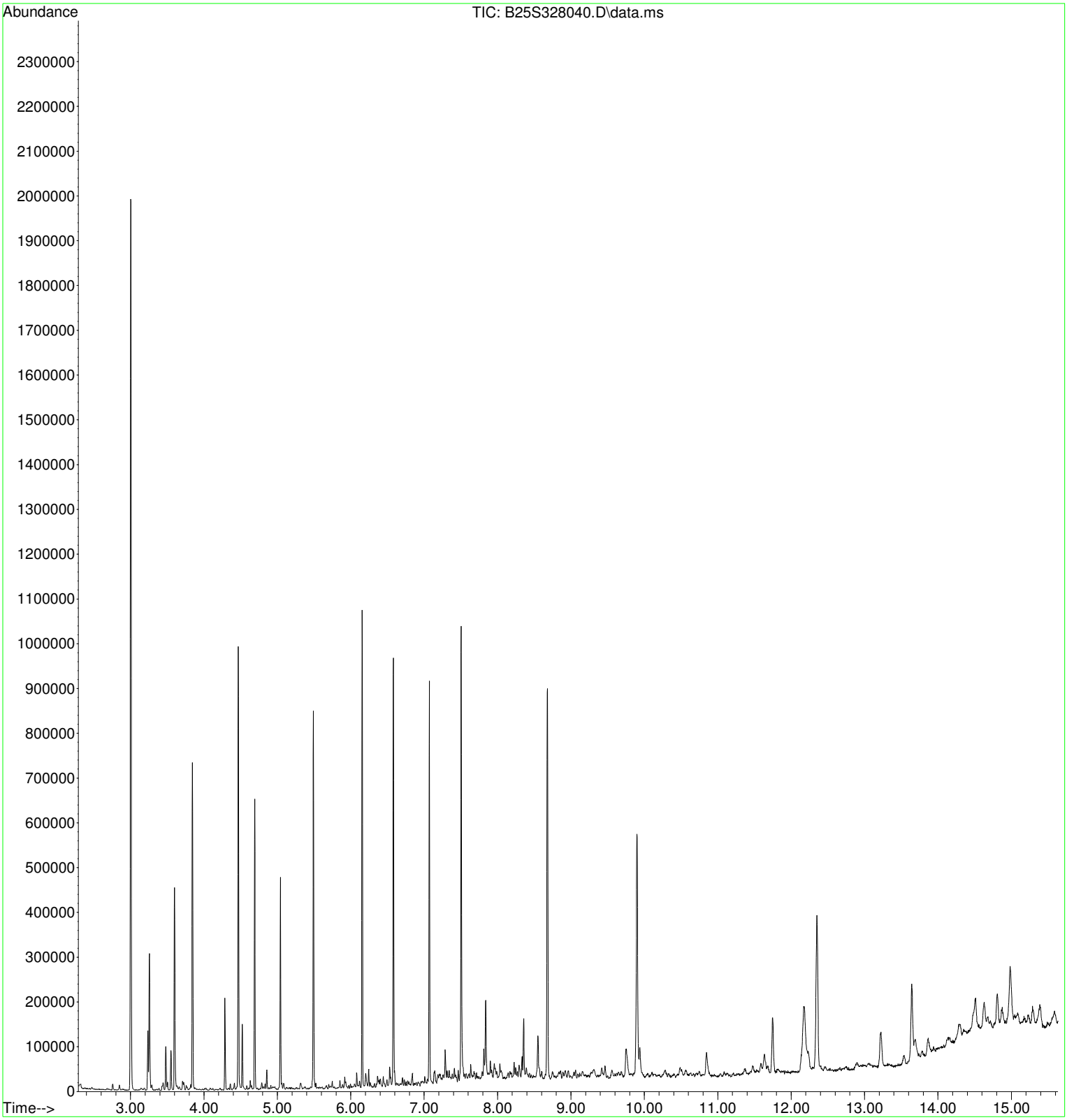
Quant Time: Nov 25 01:18:26 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

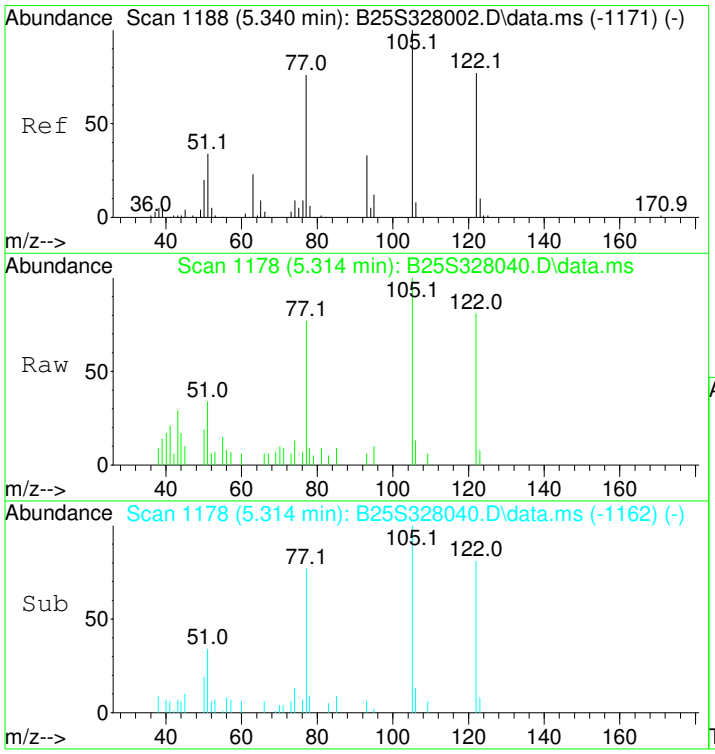
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.692	152	72382	40.00	ug/ml	-0.01
19) NAPHTHALENE-d8	5.491	136	266940	40.00	ug/ml	-0.01
35) ACENAPHTHENE-D10	6.582	164	144066	40.00	ug/ml	-0.01
58) PHENANTHRENE-D10	7.505	188	246639	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.902	240	217975	40.00	ug/ml	-0.01
80) PERYLENE-D12	12.350	264	208065	40.00	ug/ml	-0.01
88) 1,4-Dichlorobenzene-D4...	4.692	152	72382	40.00	ug/ml	-0.01
92) NAPHTHALENE-d8 (2)	5.491	136	266940	40.00	ug/ml	-0.01
95) ACENAPHTHENE-D10 (2)	6.582	164	144066	40.00	ug/ml	-0.01
System Monitoring Compounds						
2) 2-Fluorophenol	3.843	112	151727	75.03	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 37.52%			
3) Phenol-d6	4.468	99	257853	77.33	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 38.66%			
20) Nitrobenzene-d5	5.041	82	106235	39.99	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 39.99%			
36) 2-Fluorobiphenyl	6.155	172	220280	46.32	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 46.32%			
37) 2,4,6-Tribromophenol	7.070	330	65724	102.72	ug/ml	-0.01
Spiked Amount 200.000	Range 30 - 130		Recovery = 51.36%			
72) p-Terphenyl-d14	8.680	244	242676	53.76	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 53.76%			
Target Compounds						Qvalue
26) Benzoic Acid	5.314	122	1906	1.45	ug/ml#	82
29) Naphthalene	5.504	128	3247	0.44	ug/ml	95
33) 2-MethylNaphthalene	5.931	142	2343	0.47	ug/ml	89
34) 1-Methylnaphthalene	5.995	142	1613	0.34	ug/ml	87
47) Acenaphthylene	6.494	152	3723	0.54	ug/ml	95
52) Dibenzofuran	6.705	168	1403	0.23	ug/ml	99
56) Flourene	6.919	166	1015	0.20	ug/ml#	85
66) Phenanthrene	7.518	178	16405	2.13	ug/ml	97
67) Anthracene	7.549	178	2671	0.35	ug/ml	85
68) Carbazole	7.652	167	1940	0.27	ug/ml	71
70) Flouranthene	8.356	202	38210	5.02	ug/ml	98
74) Pyrene	8.549	202	33336	4.17	ug/ml	97
77) Benzo(a)anthracene	9.886	228	16814	2.29	ug/ml	89
78) Chrysene	9.938	228	26152	3.60	ug/ml	94
79) Bis(2-ethylhexyl)phtha...	9.953	149	3125	0.93	ug/ml	95
82) Benzo(b)fluoranthene	11.638	252	30450	4.77	ug/ml	93
83) Benzo(k)fluoranthene	11.681	252	9729	1.54	ug/ml	83
84) Benzo(a)pyrene	12.237	252	16757	2.83	ug/ml	97
85) Indeno(1,2,3-cd)pyrene	14.302	276	13722	2.61	ug/ml	89
86) Dibenz(a,h)anthracene	14.348	278	3742	0.68	ug/ml	92
87) Benzo(g,h,i)perylene	14.680	276	13352	2.29	ug/ml	92
90) Benzaldehyde	4.417	106	1958	0.81	ug/ml	82

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

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328040.D
Acq On : 25 Nov 2025 1:02 am
Operator : BGL
Sample : 25K1213-11 Inst : GCMSSV2
Misc :
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Nov 25 01:18:26 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

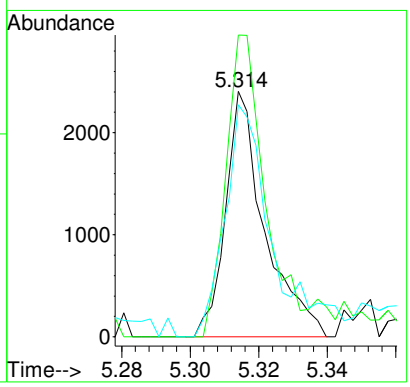


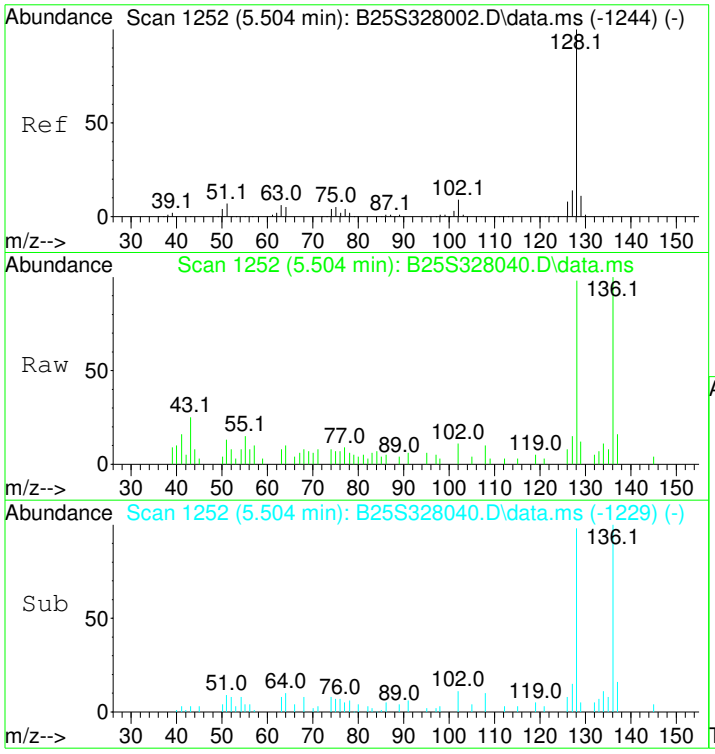


#26
Benzoic Acid
Concen: 1.45 ug/ml
RT: 5.314 min Scan# 1178
Delta R.T. -0.026 min
Lab File: B25S328040.D
Acq: 25 Nov 2025 1:02 am

Tgt Ion:122 Resp: 1906

Ion	Ratio	Lower	Upper
122	100		
105	124.3	95.4	135.4
77	113.5	64.2	104.2#

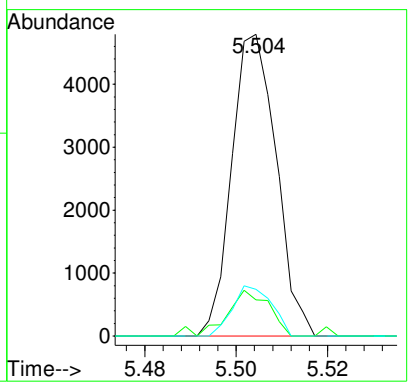


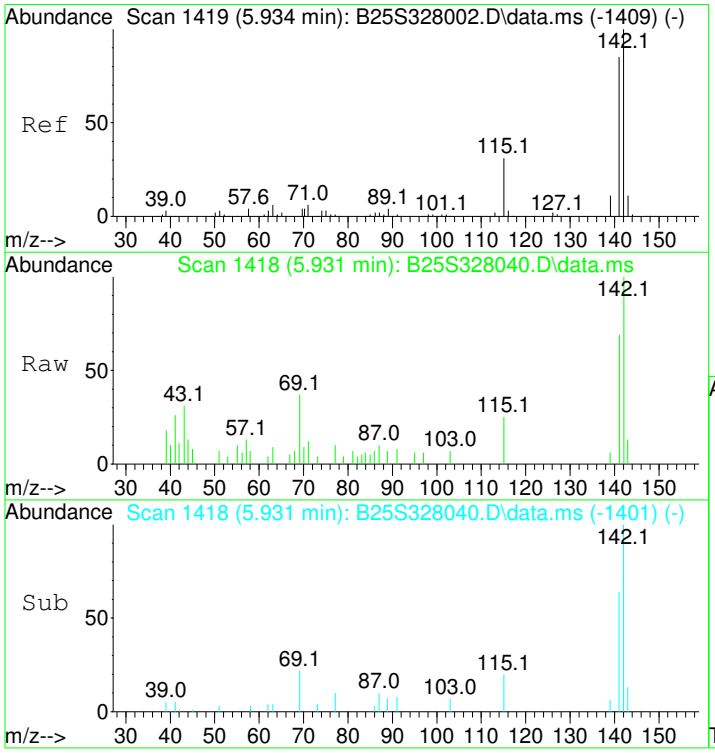


#29
Naphthalene
Concen: 0.44 ug/ml
RT: 5.504 min Scan# 1252
Delta R.T. -0.013 min
Lab File: B25S328040.D
Acq: 25 Nov 2025 1:02 am

Tgt Ion:128 Resp: 3247

Ion	Ratio	Lower	Upper
128	100		
129	14.6	0.0	31.1
127	14.7	0.0	34.2

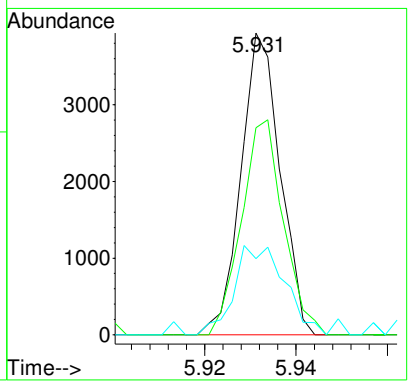


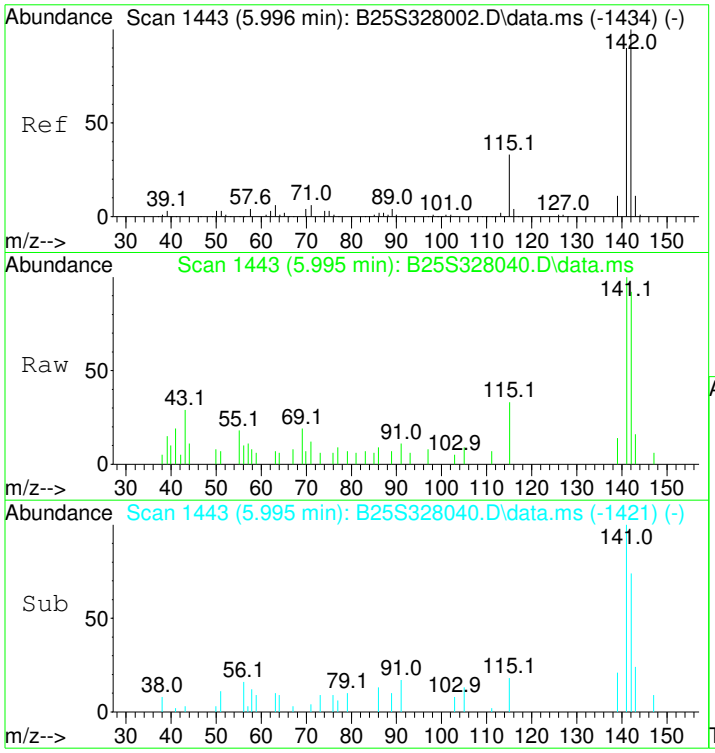


#33
2-MethylNaphthalene
Concen: 0.47 ug/ml
RT: 5.931 min Scan# 1418
Delta R.T. -0.013 min
Lab File: B25S328040.D
Acq: 25 Nov 2025 1:02 am

Tgt Ion:142 Resp: 2343

Ion	Ratio	Lower	Upper
142	100		
141	76.3	66.6	106.6
115	38.1	12.6	52.6

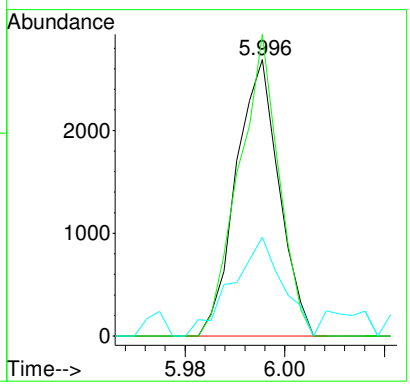


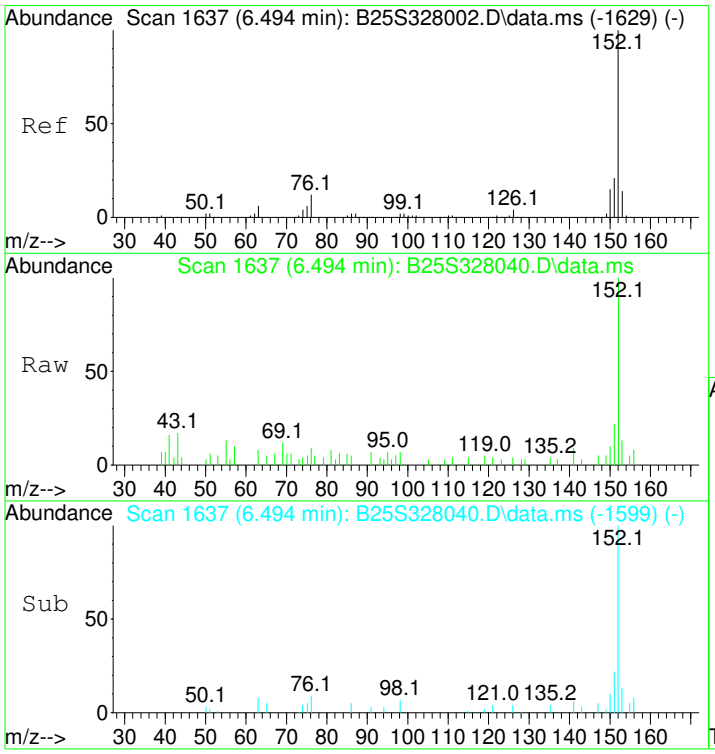


#34
1-Methylnaphthalene
Concen: 0.34 ug/ml
RT: 5.995 min Scan# 1443
Delta R.T. -0.010 min
Lab File: B25S328040.D
Acq: 25 Nov 2025 1:02 am

Tgt Ion:142 Resp: 1613

Ion	Ratio	Lower	Upper
142	100		
141	101.4	69.0	109.0
115	41.8	14.1	54.1

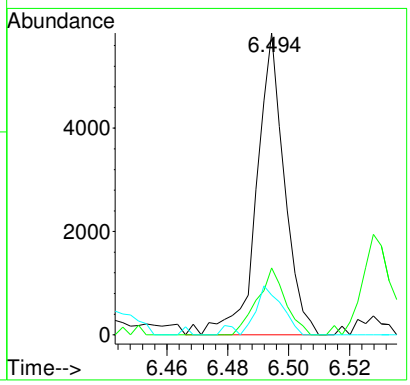


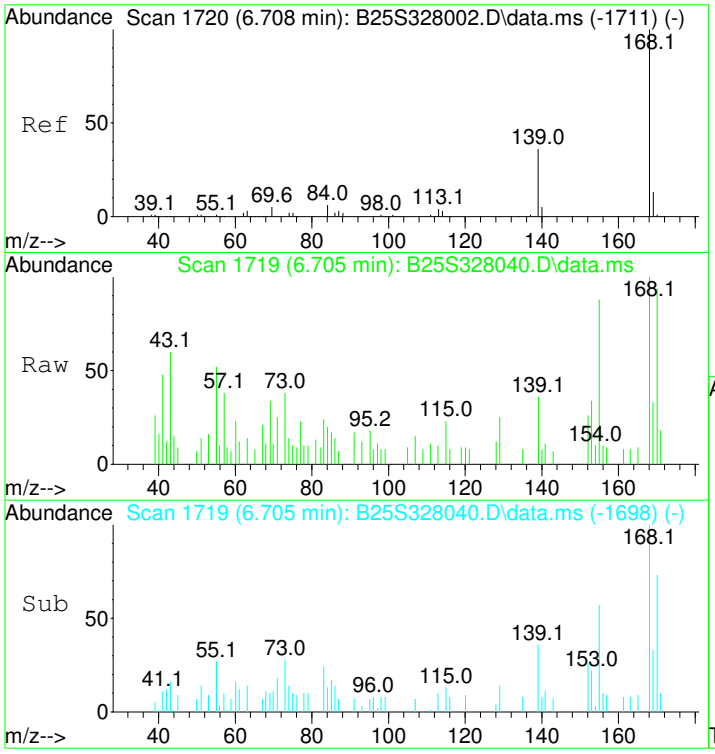


#47
Acenaphthylene
Concen: 0.54 ug/ml
RT: 6.494 min Scan# 1637
Delta R.T. -0.010 min
Lab File: B25S328040.D
Acq: 25 Nov 2025 1:02 am

Tgt Ion:152 Resp: 3723

Ion	Ratio	Lower	Upper
152	100		
151	22.5	1.0	41.0
153	16.4	0.0	33.1

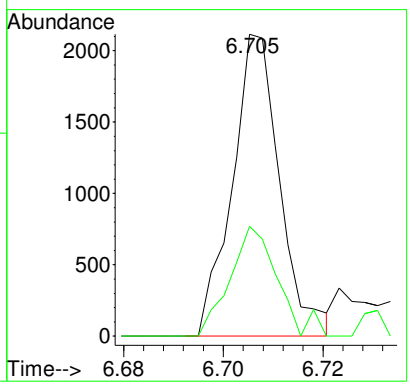


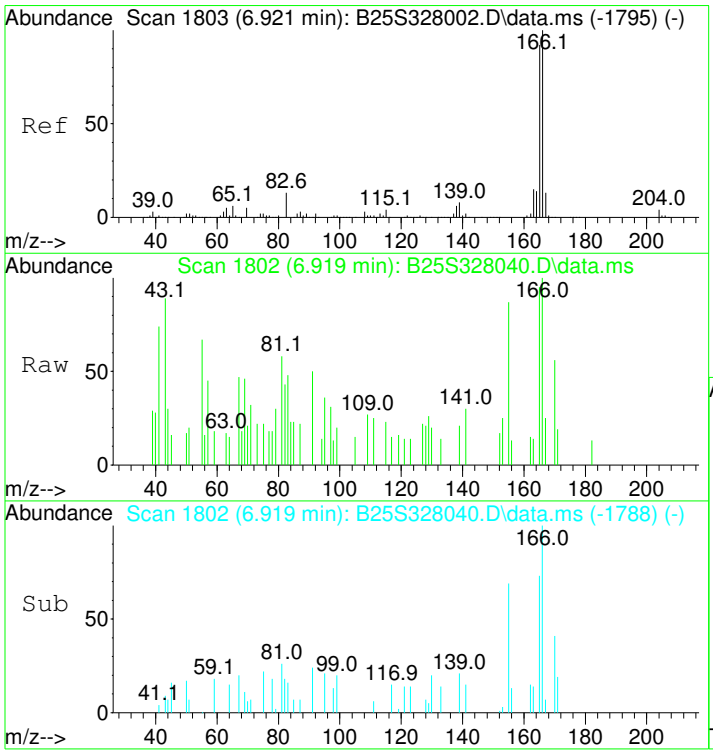


#52
Dibenzofuran
Concen: 0.23 ug/ml
RT: 6.705 min Scan# 1719
Delta R.T. -0.013 min
Lab File: B25S328040.D
Acq: 25 Nov 2025 1:02 am

Tgt Ion:168 Resp: 1403

Ion	Ratio	Lower	Upper
168	100		
139	36.4	16.8	56.8

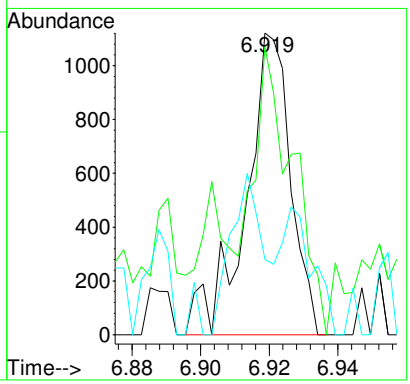


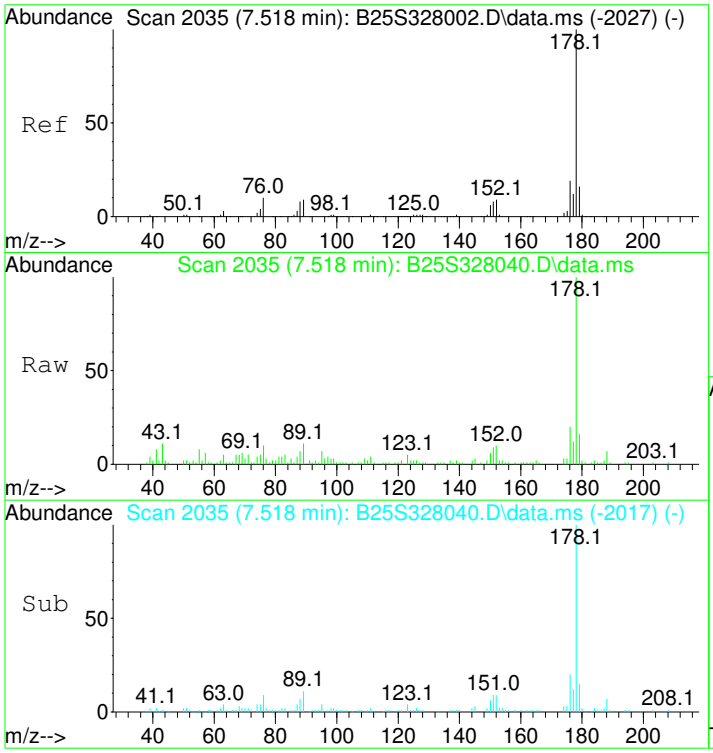


#56
Flourene
Concen: 0.20 ug/ml
RT: 6.919 min Scan# 1802
Delta R.T. -0.013 min
Lab File: B25S328040.D
Acq: 25 Nov 2025 1:02 am

Tgt Ion:166 Resp: 1015

Ion	Ratio	Lower	Upper
166	100		
165	84.1	71.4	111.4
167	39.3	0.0	33.6#

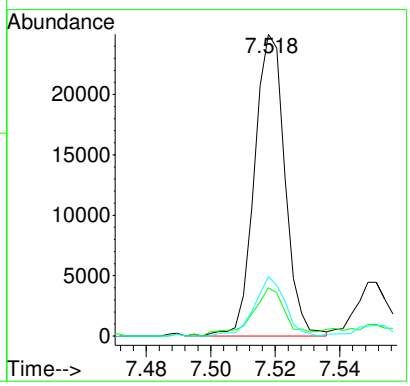


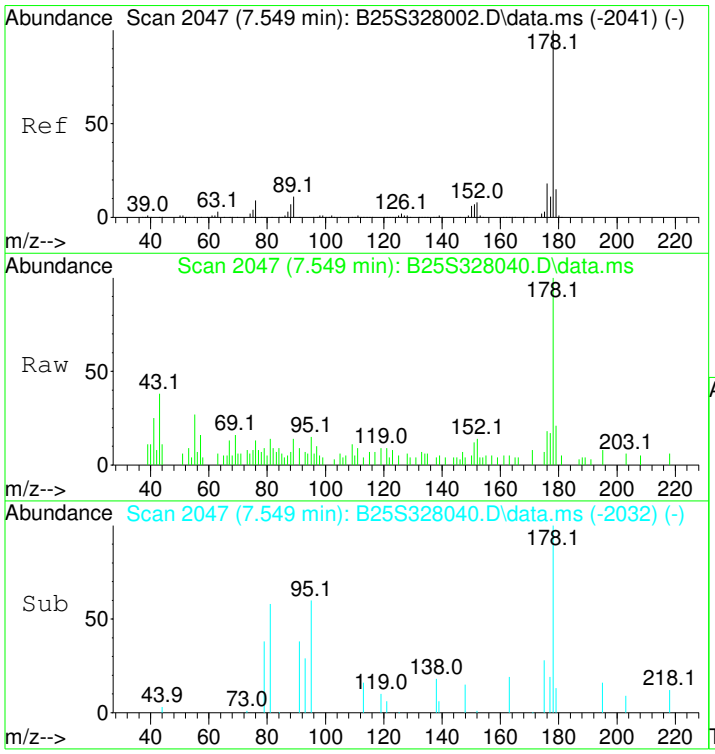


#66
Phenanthrene
Concen: 2.13 ug/ml
RT: 7.518 min Scan# 2035
Delta R.T. -0.010 min
Lab File: B25S328040.D
Acq: 25 Nov 2025 1:02 am

Tgt Ion:178 Resp: 16405

Ion	Ratio	Lower	Upper
178	100		
179	17.5	0.0	35.5
176	19.6	0.0	39.0

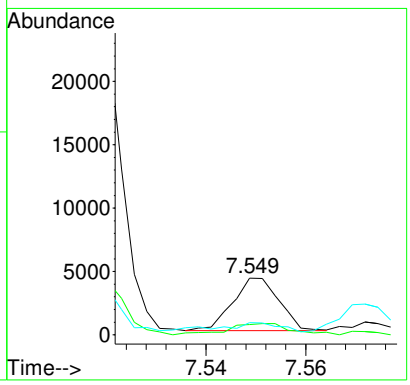


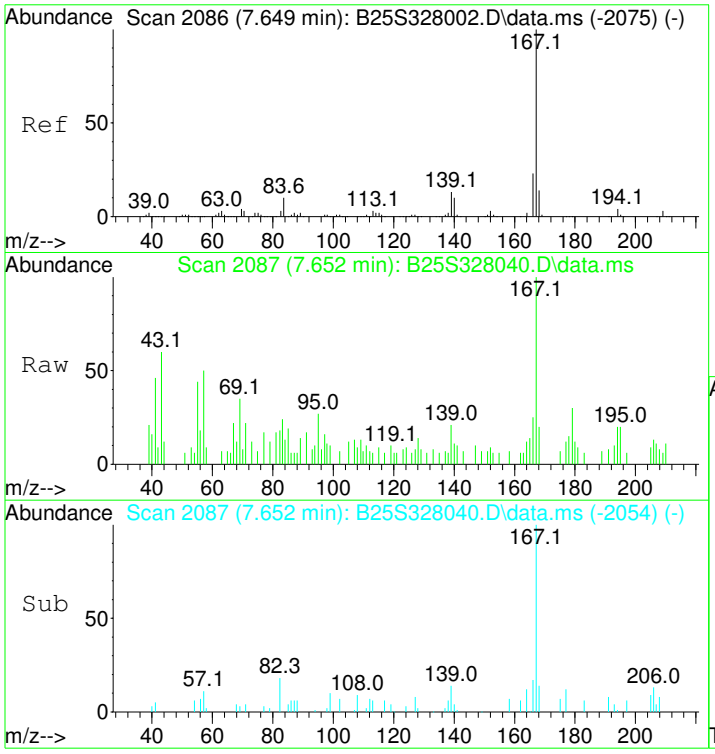


#67
Anthracene
Concen: 0.35 ug/ml
RT: 7.549 min Scan# 2047
Delta R.T. -0.013 min
Lab File: B25S328040.D
Acq: 25 Nov 2025 1:02 am

Tgt Ion:178 Resp: 2671

Ion	Ratio	Lower	Upper
178	100		
176	29.3	0.0	38.3
179	16.9	0.0	35.5

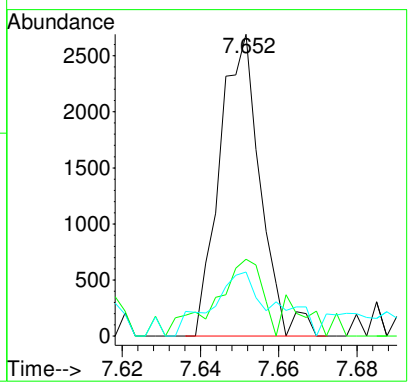


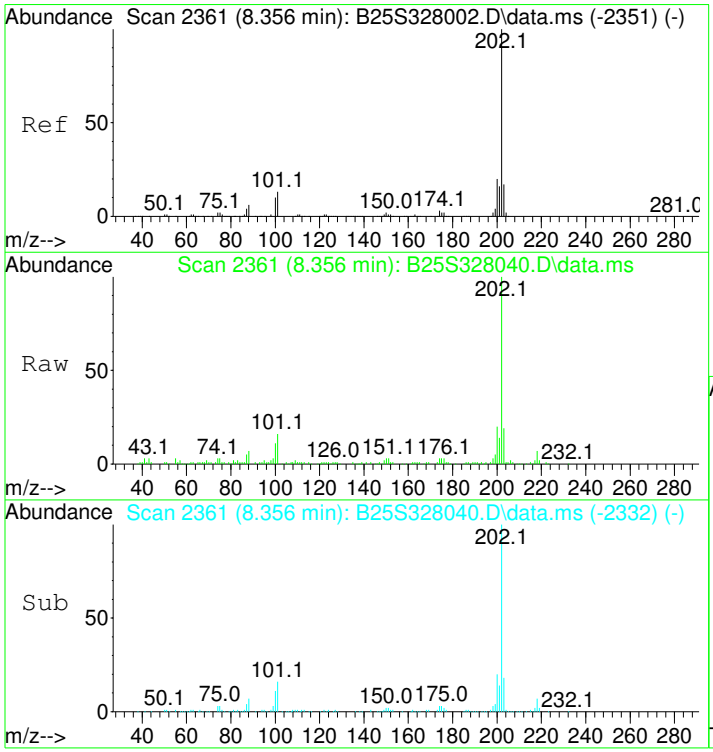


#68
Carbazole
Concen: 0.27 ug/ml
RT: 7.652 min Scan# 2087
Delta R.T. -0.005 min
Lab File: B25S328040.D
Acq: 25 Nov 2025 1:02 am

Tgt Ion:167 Resp: 1940

Ion	Ratio	Lower	Upper
167	100		
166	30.6	1.9	41.9
139	32.5	0.0	33.5

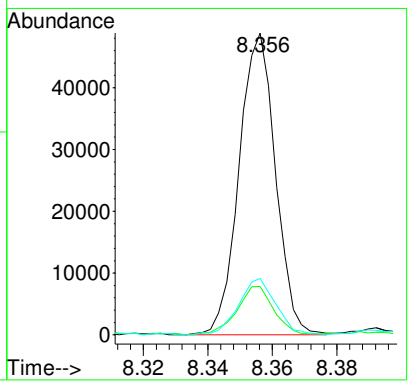


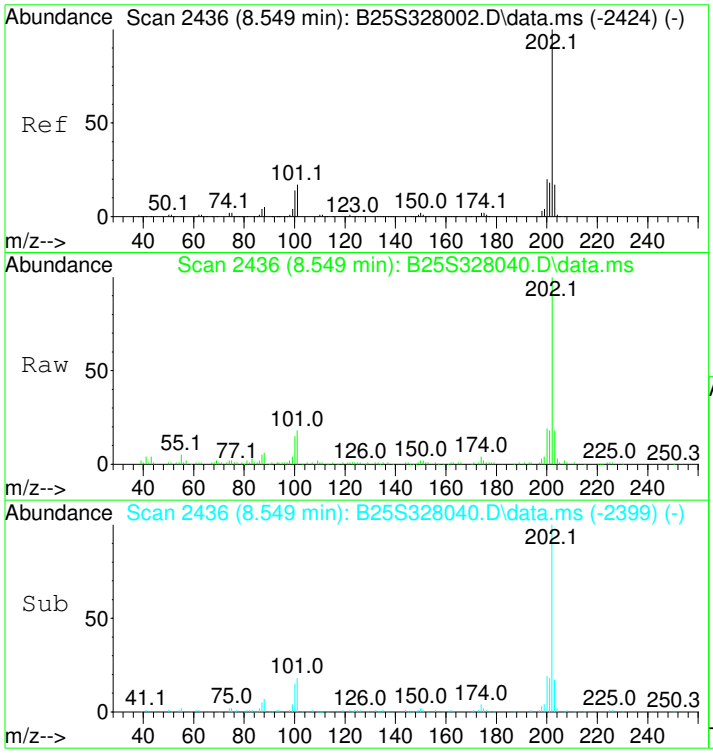


#70
Flouranthene
Concen: 5.02 ug/ml
RT: 8.356 min Scan# 2361
Delta R.T. -0.010 min
Lab File: B25S328040.D
Acq: 25 Nov 2025 1:02 am

Tgt Ion:202 Resp: 38210

Ion	Ratio	Lower	Upper
202	100		
101	16.6	0.0	36.2
203	19.1	0.0	37.5

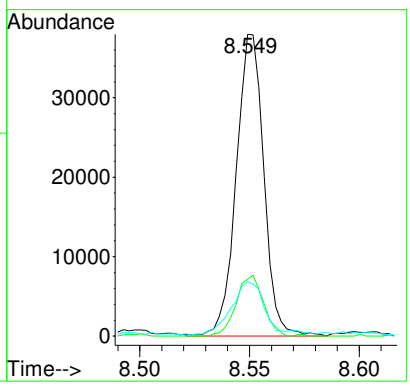


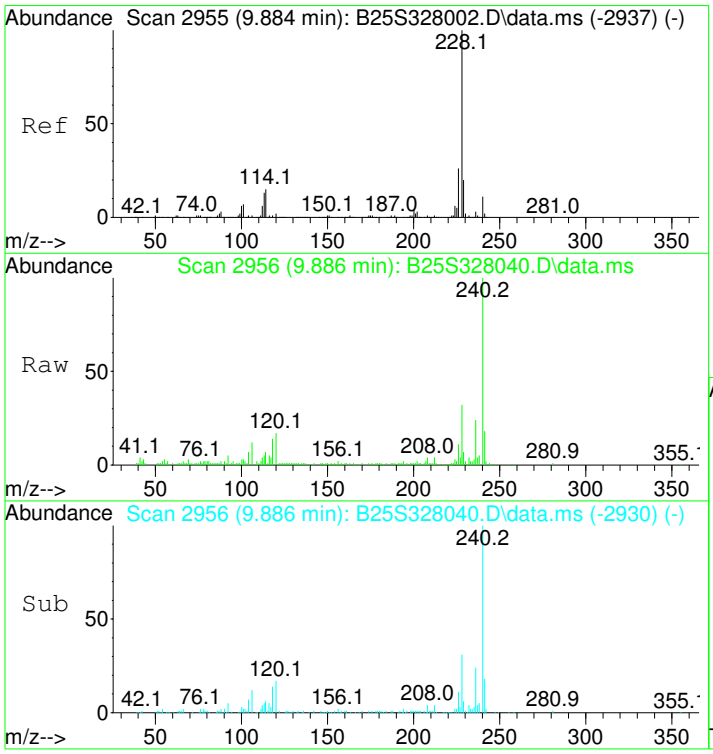


#74
Pyrene
Concen: 4.17 ug/ml
RT: 8.549 min Scan# 2436
Delta R.T. -0.013 min
Lab File: B25S328040.D
Acq: 25 Nov 2025 1:02 am

Tgt Ion:202 Resp: 33336

Ion	Ratio	Lower	Upper
202	100		
200	19.9	0.1	40.1
203	20.5	0.0	38.1

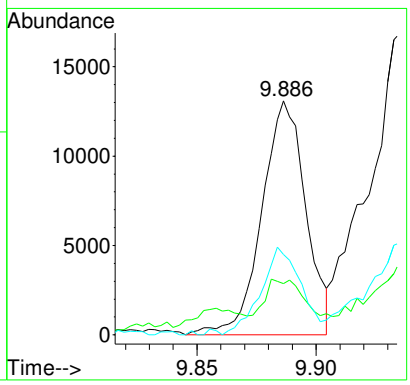


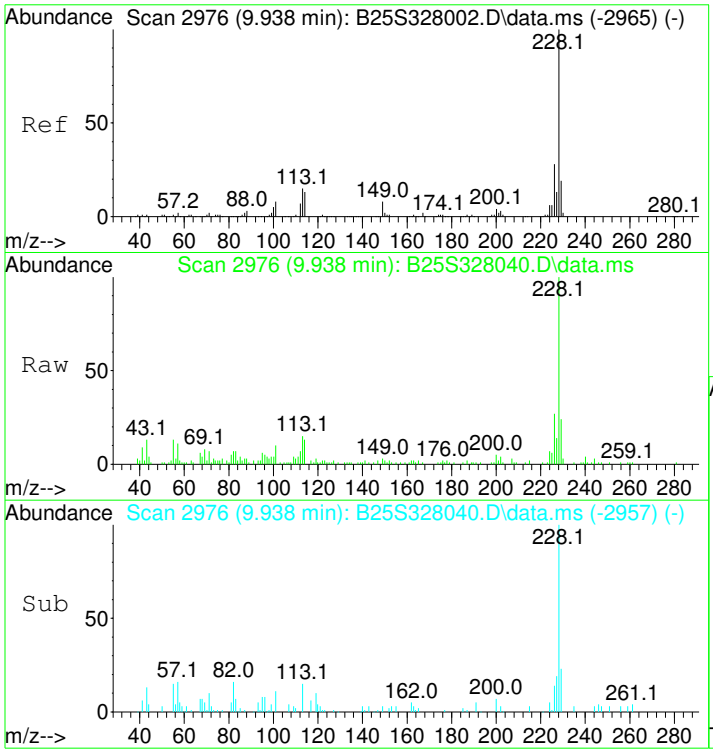


#77
Benzo(a)anthracene
Concen: 2.29 ug/ml
RT: 9.886 min Scan# 2956
Delta R.T. -0.015 min
Lab File: B25S328040.D
Acq: 25 Nov 2025 1:02 am

Tgt Ion:228 Resp: 16814

Ion	Ratio	Lower	Upper
228	100		
229	19.9	0.0	38.9
226	33.8	4.9	44.9

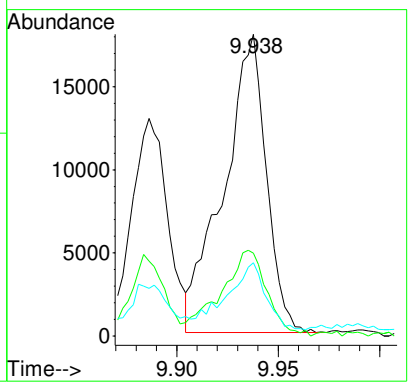


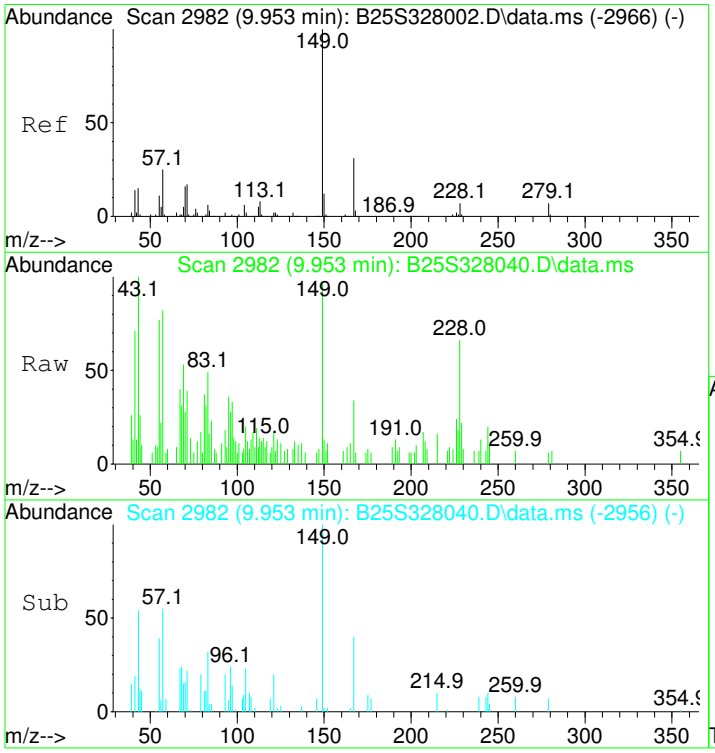


#78
Chrysene
Concen: 3.60 ug/ml
RT: 9.938 min Scan# 2976
Delta R.T. -0.015 min
Lab File: B25S328040.D
Acq: 25 Nov 2025 1:02 am

Tgt Ion:228 Resp: 26152

Ion	Ratio	Lower	Upper
228	100		
226	31.9	8.1	48.1
229	20.8	0.0	38.9

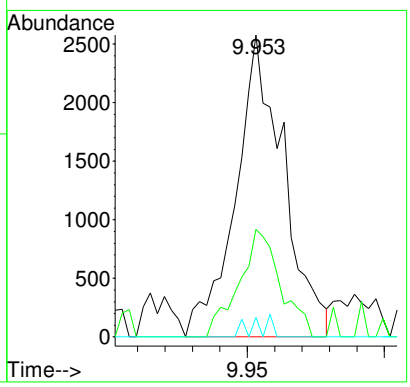


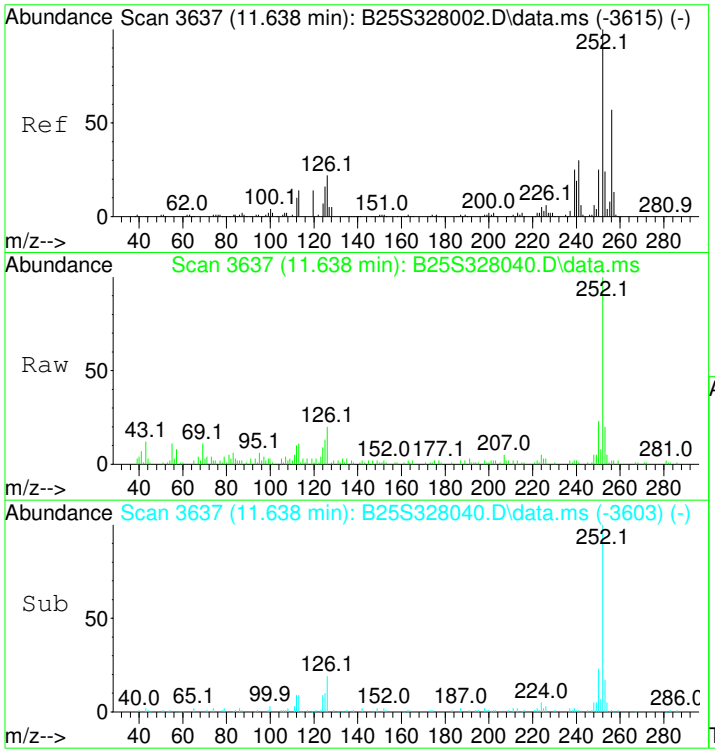


#79
Bis(2-ethylhexyl)phthalate
Concen: 0.93 ug/ml
RT: 9.953 min Scan# 2982
Delta R.T. -0.023 min
Lab File: B25S328040.D
Acq: 25 Nov 2025 1:02 am

Tgt Ion:149 Resp: 3125

Ion	Ratio	Lower	Upper
149	100		
167	30.8	10.2	50.2
279	0.8	0.0	27.3

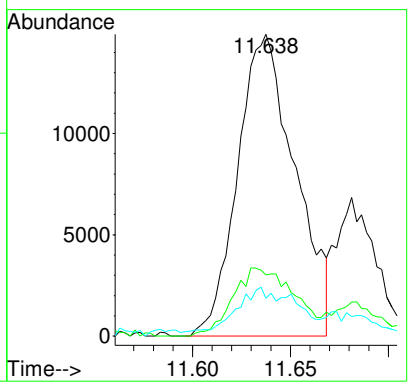


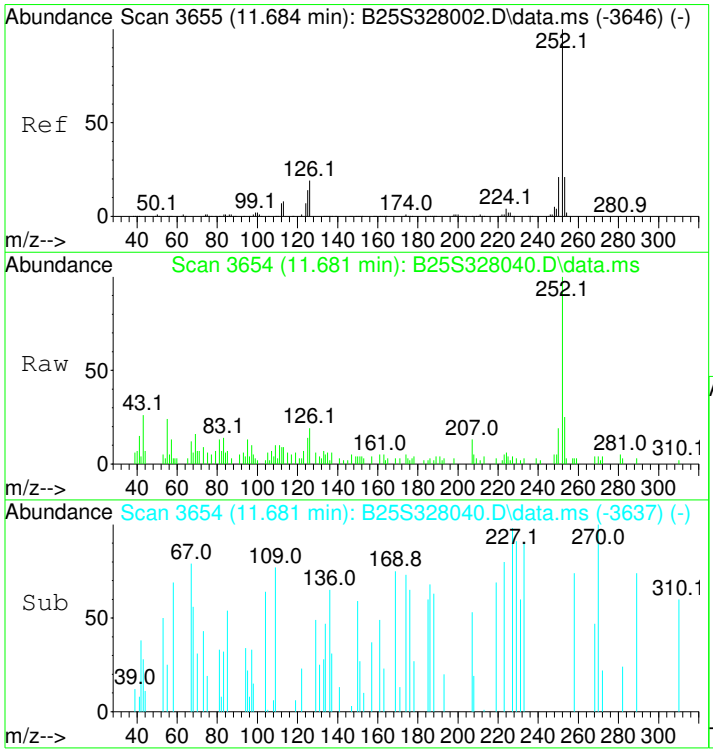


#82
Benzo(b)fluoranthene
Concen: 4.77 ug/ml
RT: 11.638 min Scan# 3637
Delta R.T. -0.015 min
Lab File: B25S328040.D
Acq: 25 Nov 2025 1:02 am

Tgt Ion:252 Resp: 30450

Ion	Ratio	Lower	Upper
252	100		
253	24.2	2.2	42.2
125	9.4	0.0	34.5

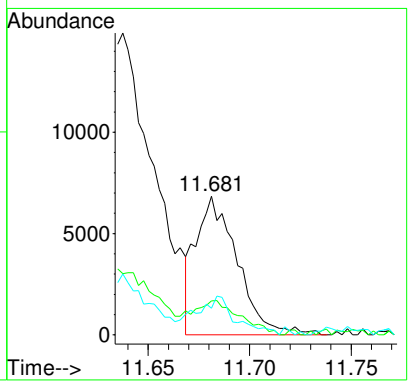


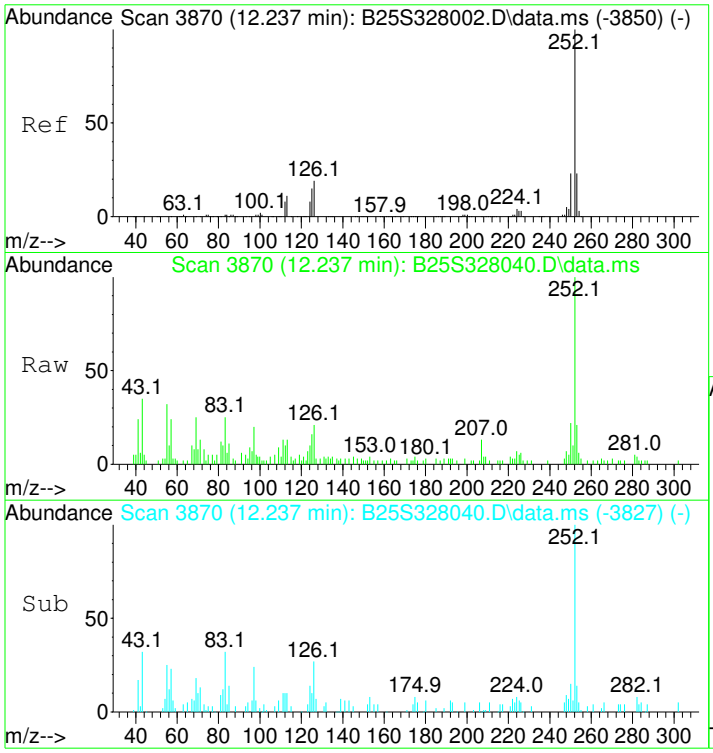


#83
Benzo(k)fluoranthene
Concen: 1.54 ug/ml
RT: 11.681 min Scan# 3654
Delta R.T. -0.023 min
Lab File: B25S328040.D
Acq: 25 Nov 2025 1:02 am

Tgt Ion:252 Resp: 9729

Ion	Ratio	Lower	Upper
252	100		
253	28.2	0.7	40.7
126	27.0	0.0	39.4

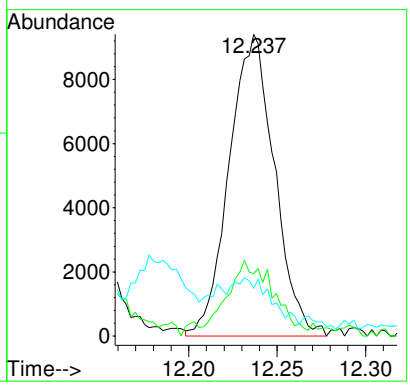


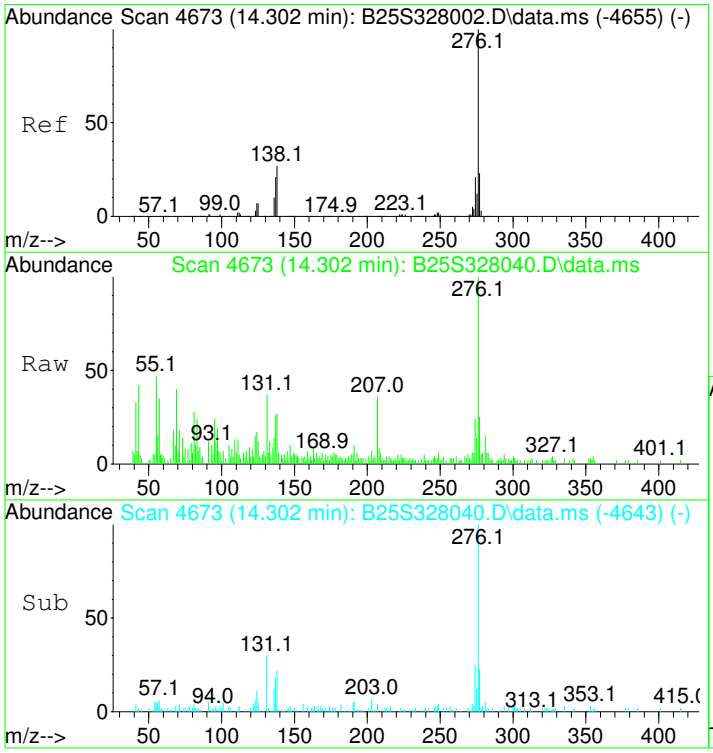


#84
Benzo(a)pyrene
Concen: 2.83 ug/ml
RT: 12.237 min Scan# 3870
Delta R.T. -0.015 min
Lab File: B25S328040.D
Acq: 25 Nov 2025 1:02 am

Tgt Ion:252 Resp: 16757

Ion	Ratio	Lower	Upper
252	100		
253	21.7	0.4	40.4
125	12.8	0.0	34.0

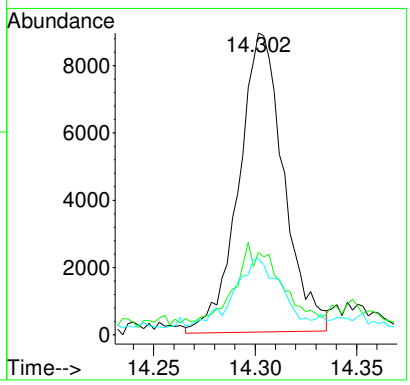


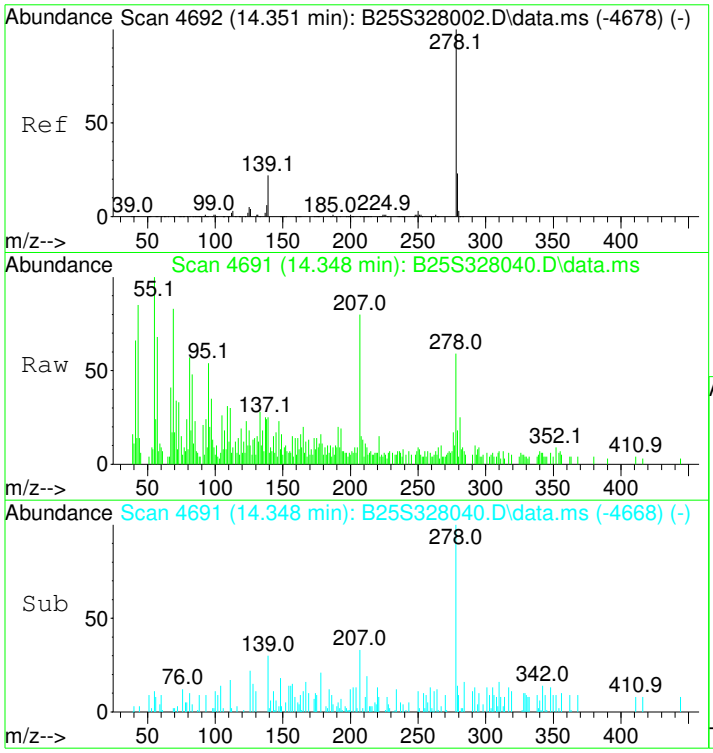


#85
Indeno(1,2,3-cd)pyrene
Concen: 2.61 ug/ml
RT: 14.302 min Scan# 4673
Delta R.T. -0.013 min
Lab File: B25S328040.D
Acq: 25 Nov 2025 1:02 am

Tgt Ion:276 Resp: 13722

Ion	Ratio	Lower	Upper
276	100		
138	15.8	5.0	45.0
277	26.1	4.1	44.1

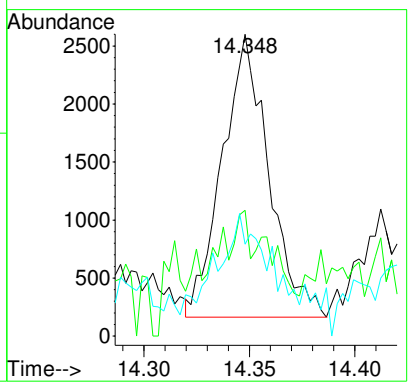


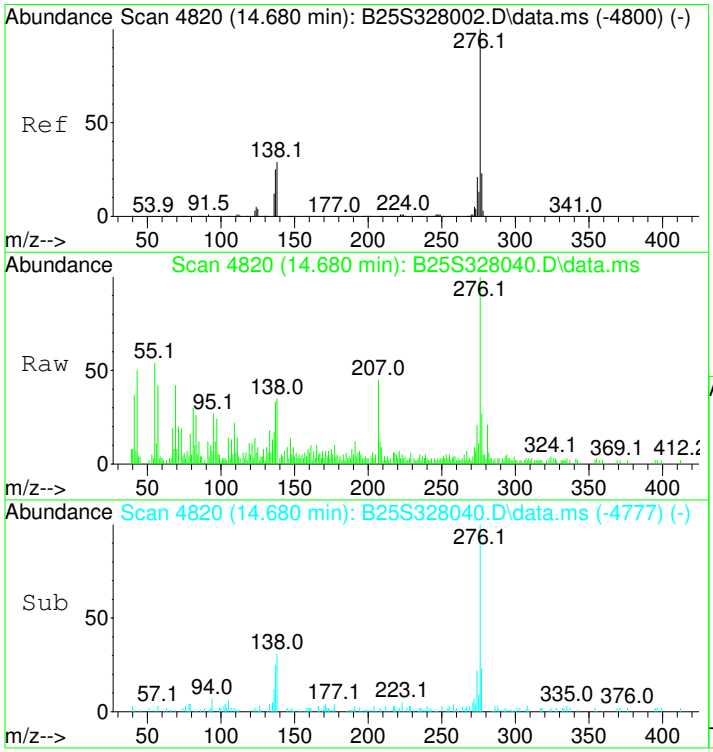


#86
Dibenz(a,h)anthracene
Concen: 0.68 ug/ml
RT: 14.348 min Scan# 4691
Delta R.T. -0.013 min
Lab File: B25S328040.D
Acq: 25 Nov 2025 1:02 am

Tgt Ion:278 Resp: 3742

Ion	Ratio	Lower	Upper
278	100		
139	14.8	1.1	41.1
279	24.7	3.5	43.5

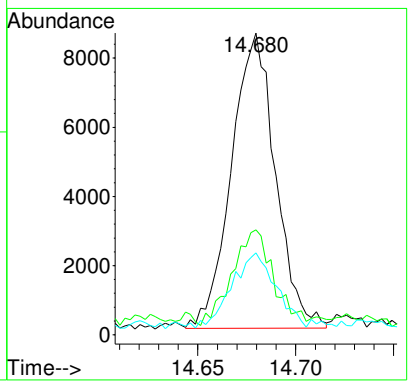


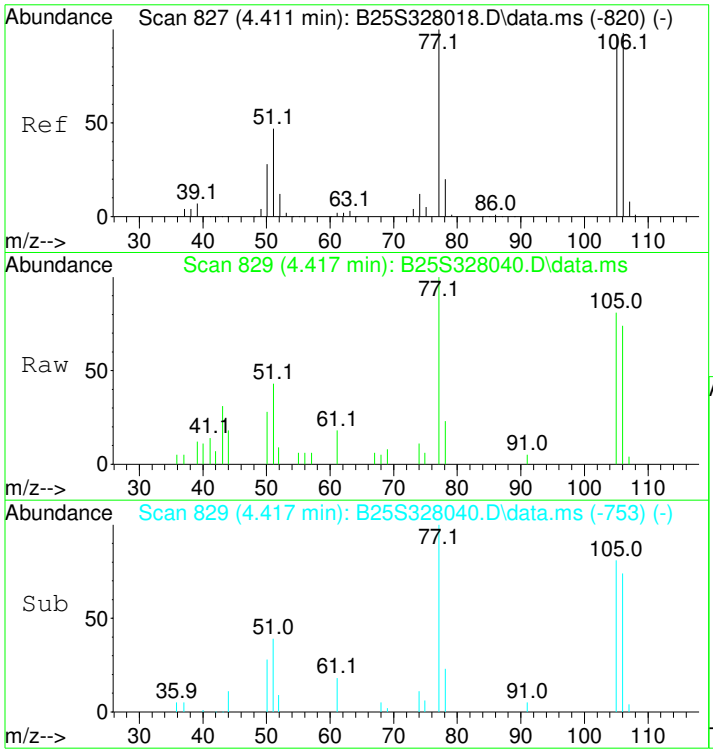


#87
Benzo(g,h,i)perylene
Concen: 2.29 ug/ml
RT: 14.680 min Scan# 4820
Delta R.T. -0.008 min
Lab File: B25S328040.D
Acq: 25 Nov 2025 1:02 am

Tgt Ion:276 Resp: 13352

Ion	Ratio	Lower	Upper
276	100		
138	30.5	5.6	45.6
277	26.0	3.2	43.2

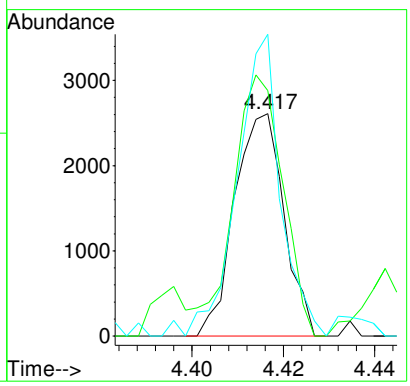




#90
Benzaldehyde
Concen: 0.81 ug/ml
RT: 4.417 min Scan# 829
Delta R.T. -0.005 min
Lab File: B25S328040.D
Acq: 25 Nov 2025 1:02 am

Tgt Ion:106 Resp: 1958

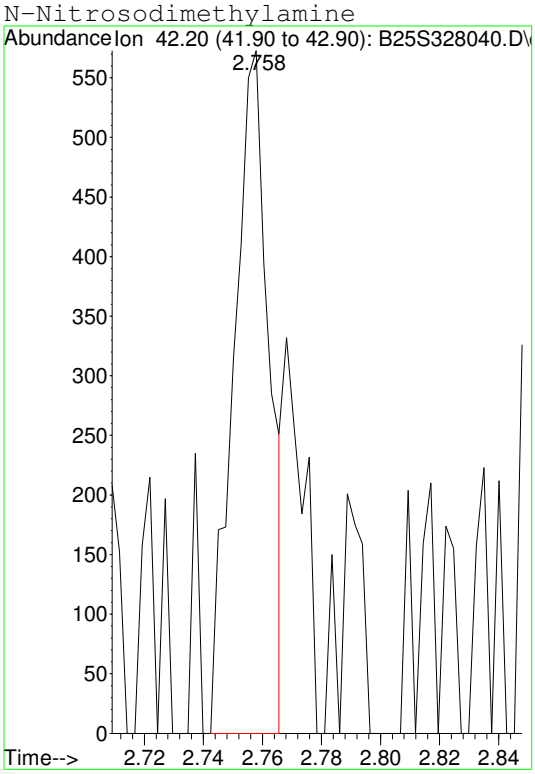
Ion	Ratio	Lower	Upper
106	100		
105	116.5	79.4	119.2
77	119.9	81.3	121.9



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328040.D
Acq On : 25 Nov 2025 1:02 am
Operator : BGL
Sample : 25K1213-11
Misc :

Quant Time : Tue Nov 25 11:03:04 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
N-Nitrosodimethylamine



Original Int. Results

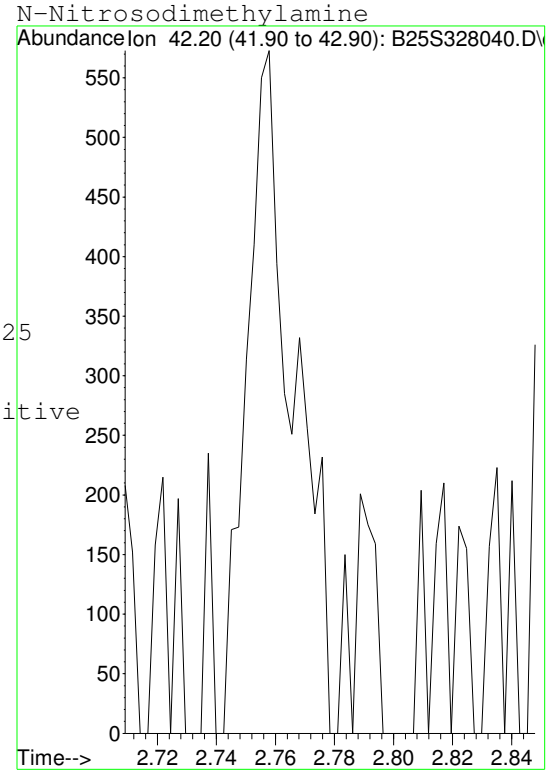
RT : 2.76
Area : 481
Amount: 0.373184

Manual Int. Results

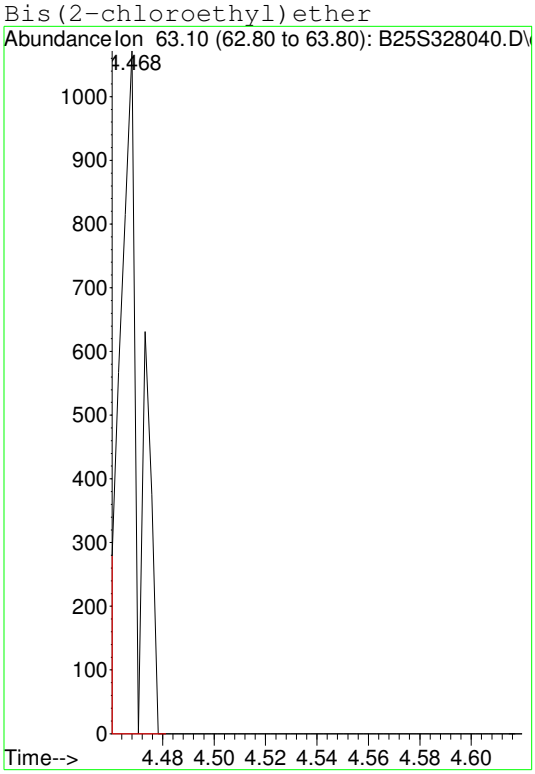
Tue Nov 25 11:02:08 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
N-Nitrosodimethylamine



Original Integration
Bis(2-chloroethyl)ether



Original Int. Results

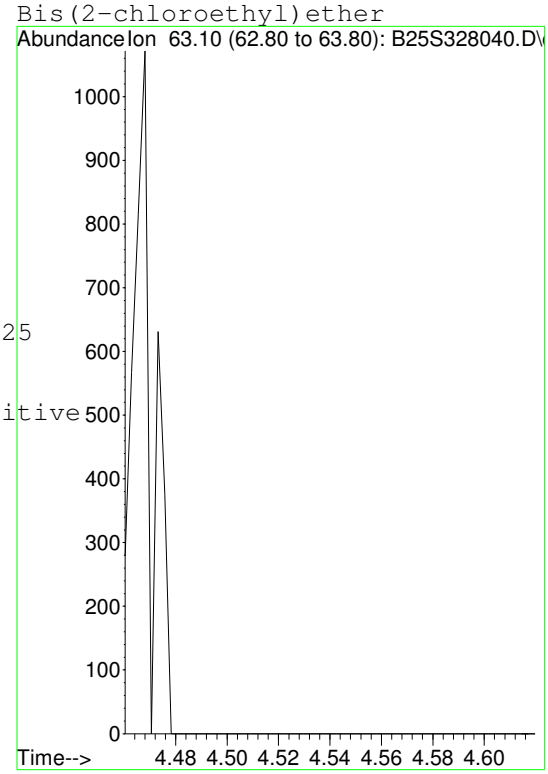
RT : 4.47
Area : 577
Amount: 0.310661

Manual Int. Results

Tue Nov 25 11:02:08 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

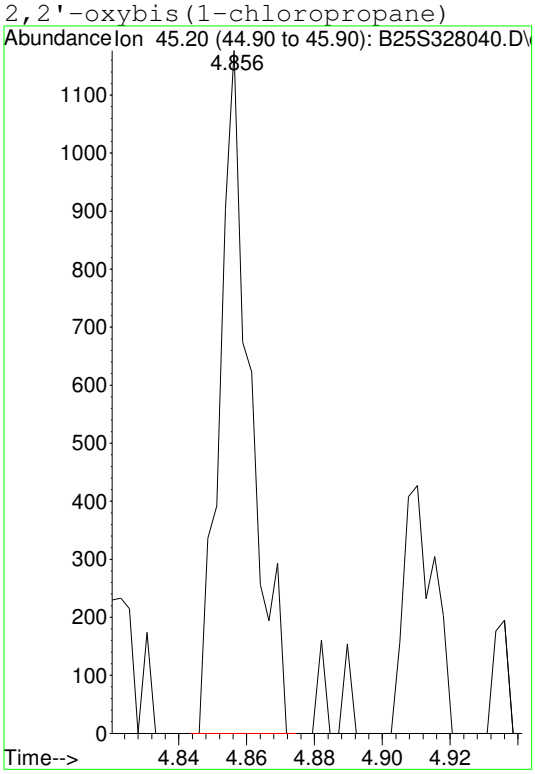
Manual Integration
Bis(2-chloroethyl)ether



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328040.D
Acq On : 25 Nov 2025 1:02 am
Operator : BGL
Sample : 25K1213-11
Misc :

Quant Time : Tue Nov 25 11:03:04 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
2,2'-oxybis(1-chloropropane)



Original Int. Results

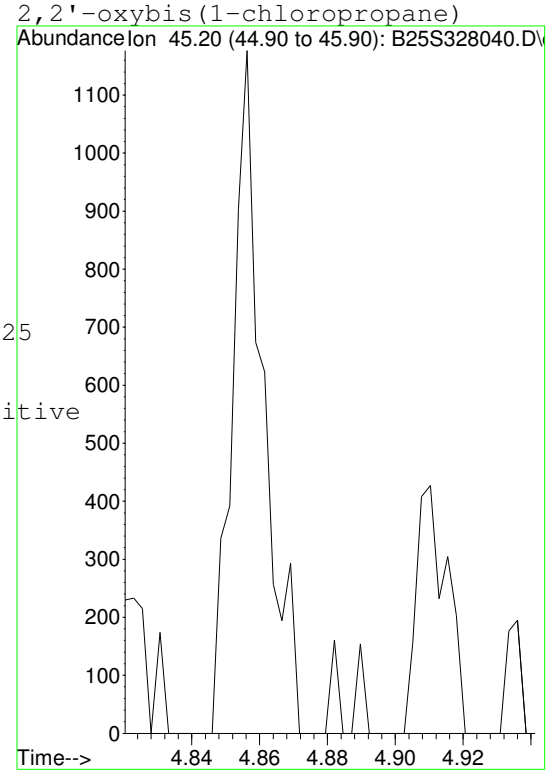
RT : 4.86
Area : 748
Amount: 0.248418

Manual Int. Results

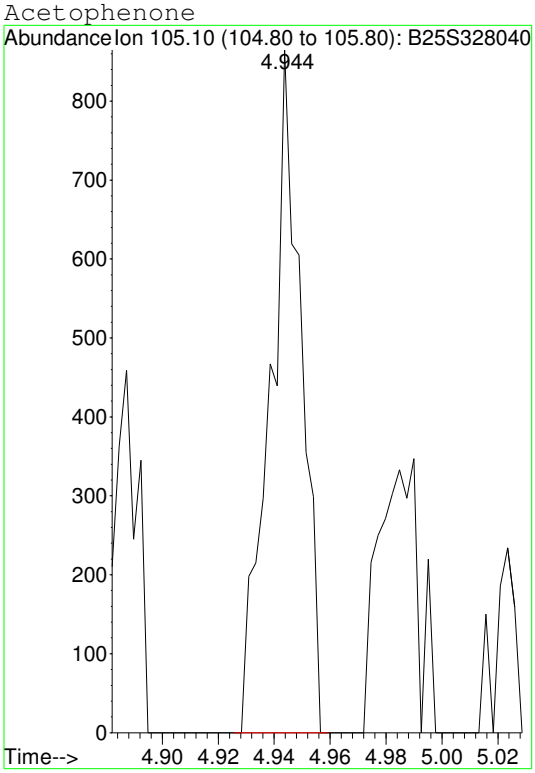
Tue Nov 25 11:02:08 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2,2'-oxybis(1-chloropropane)



Original Integration
Acetophenone



Original Int. Results

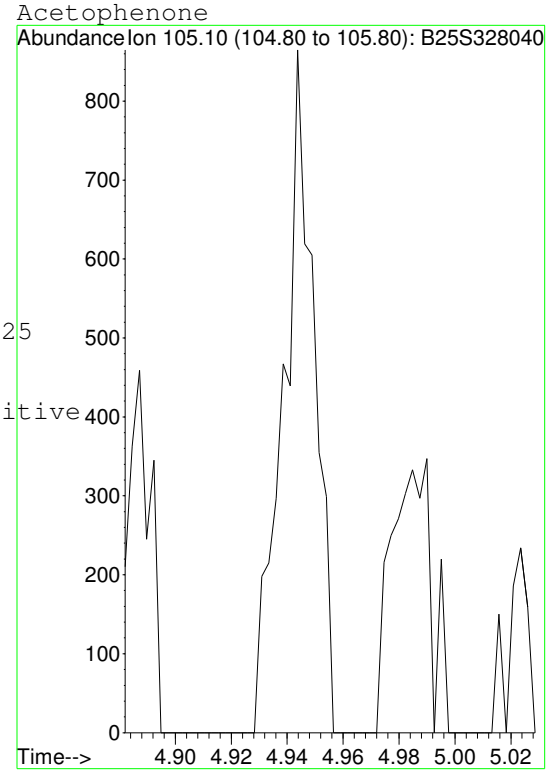
RT : 4.94
Area : 673
Amount: 0.180333

Manual Int. Results

Tue Nov 25 11:02:12 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

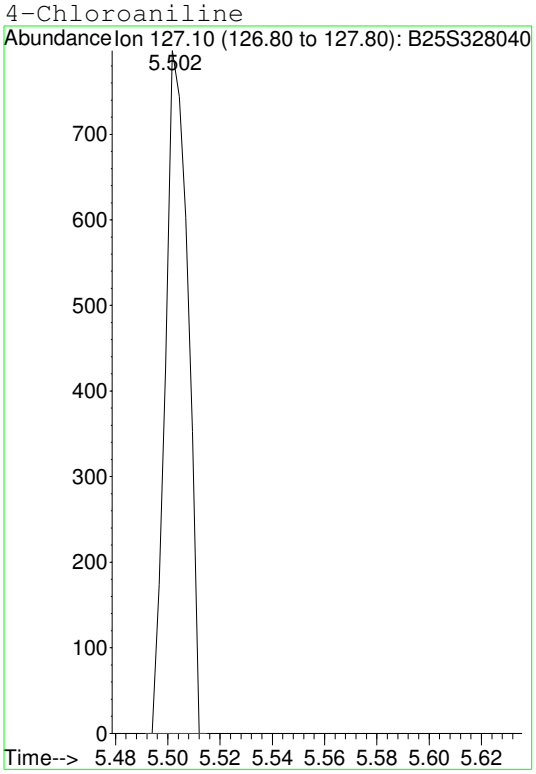
Manual Integration
Acetophenone



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328040.D
Acq On : 25 Nov 2025 1:02 am
Operator : BGL
Sample : 25K1213-11
Misc :

Quant Time : Tue Nov 25 11:03:04 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
4-Chloroaniline



Original Int. Results

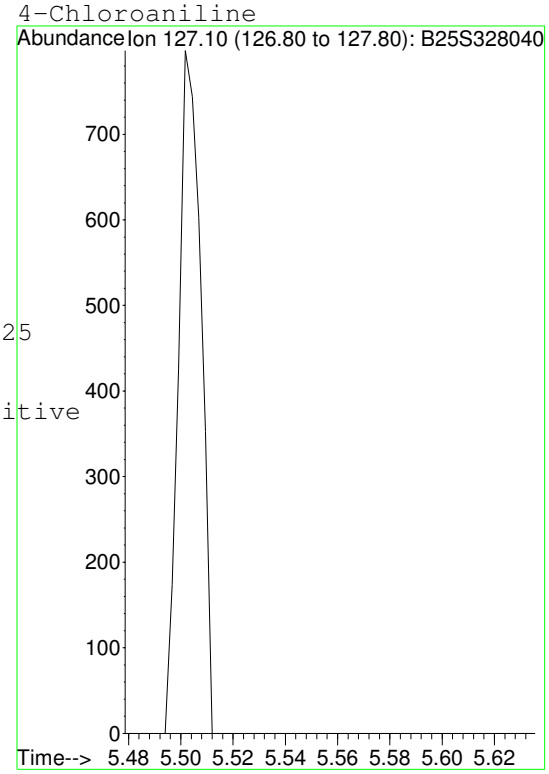
RT : 5.50
Area : 478
Amount: 0.150982

Manual Int. Results

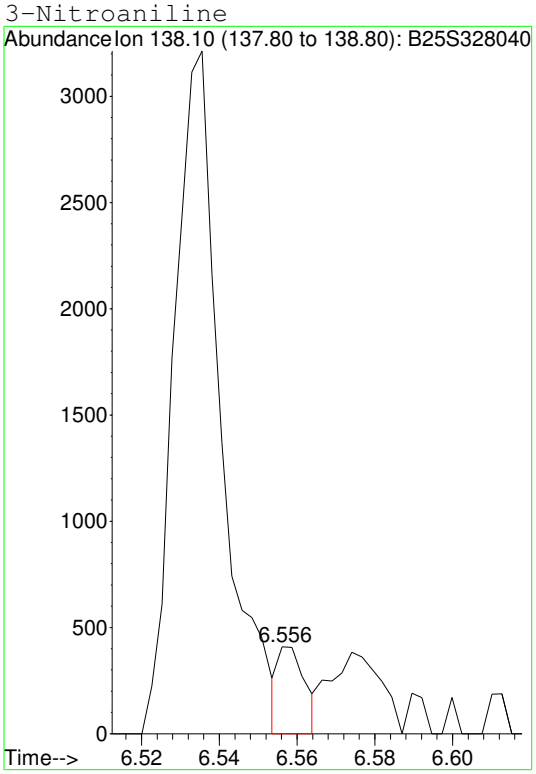
Tue Nov 25 11:02:08 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
4-Chloroaniline



Original Integration
3-Nitroaniline



Original Int. Results

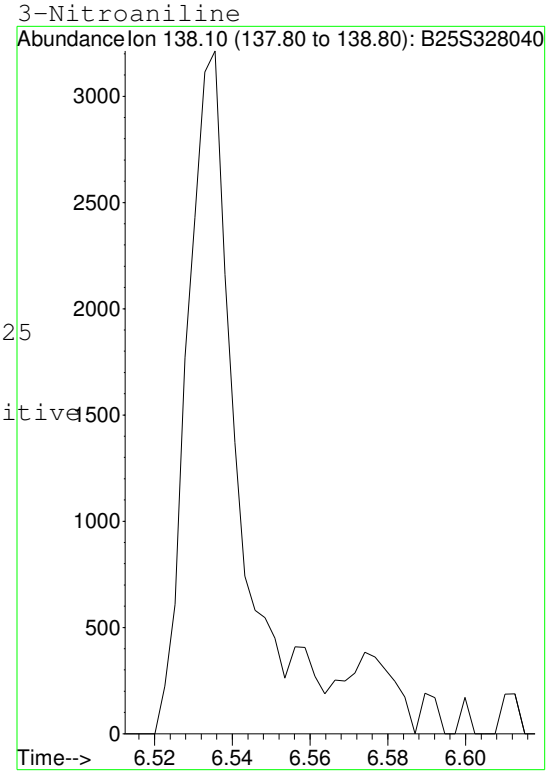
RT : 6.56
Area : 196
Amount: 0.152119

Manual Int. Results

Tue Nov 25 11:02:07 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

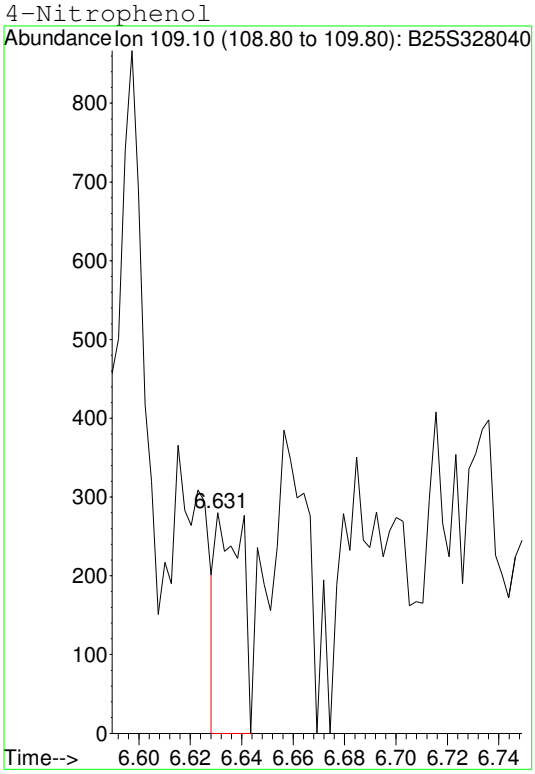
Manual Integration
3-Nitroaniline



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328040.D
Acq On : 25 Nov 2025 1:02 am
Operator : BGL
Sample : 25K1213-11
Misc :

Quant Time : Tue Nov 25 11:03:04 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
4-Nitrophenol



Original Int. Results

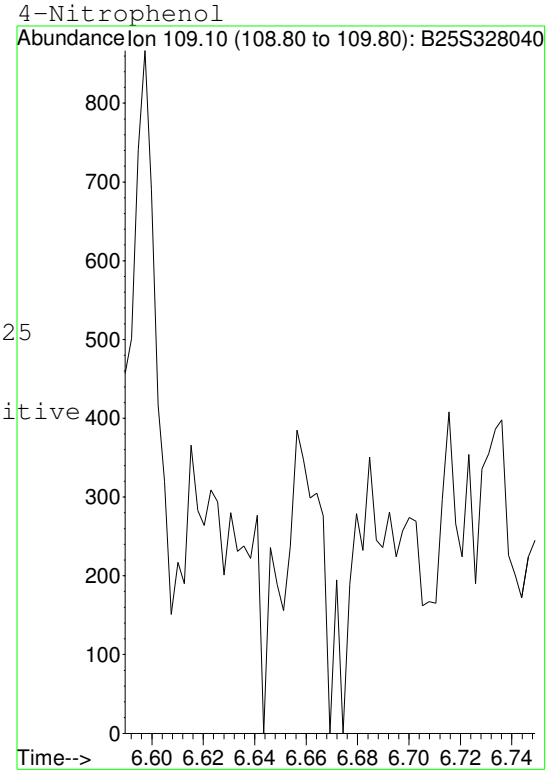
RT : 6.63
Area : 193
Amount: 0.346274

Manual Int. Results

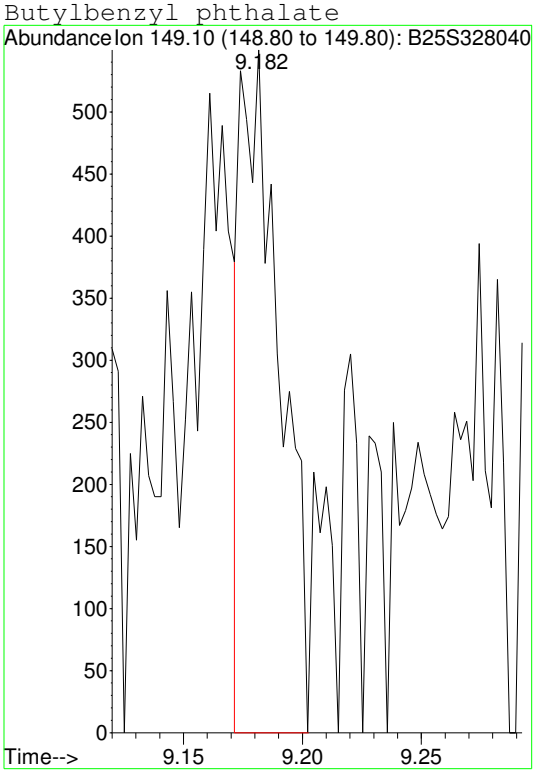
Tue Nov 25 11:02:24 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
4-Nitrophenol



Original Integration
Butylbenzyl phthalate



Original Int. Results

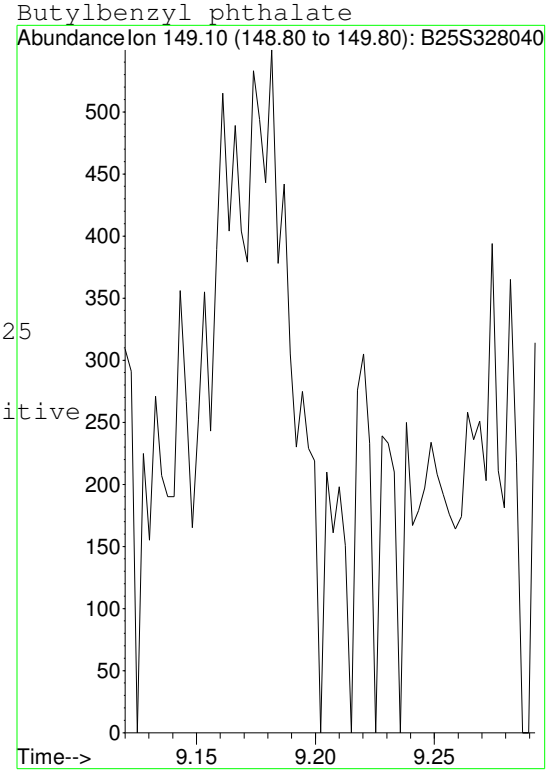
RT : 9.18
Area : 632
Amount: 0.216541

Manual Int. Results

Tue Nov 25 11:02:39 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

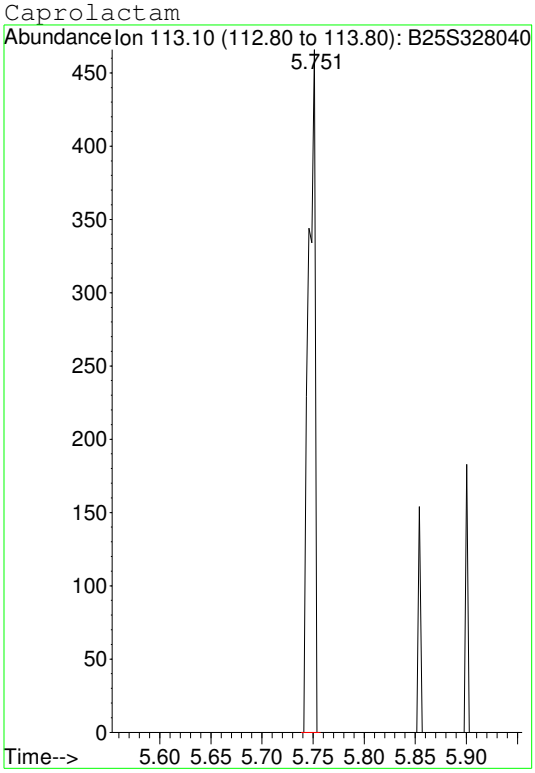
Manual Integration
Butylbenzyl phthalate



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328040.D
Acq On : 25 Nov 2025 1:02 am
Operator : BGL
Sample : 25K1213-11
Misc :

Quant Time : Tue Nov 25 11:03:04 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Caprolactam



Original Int. Results

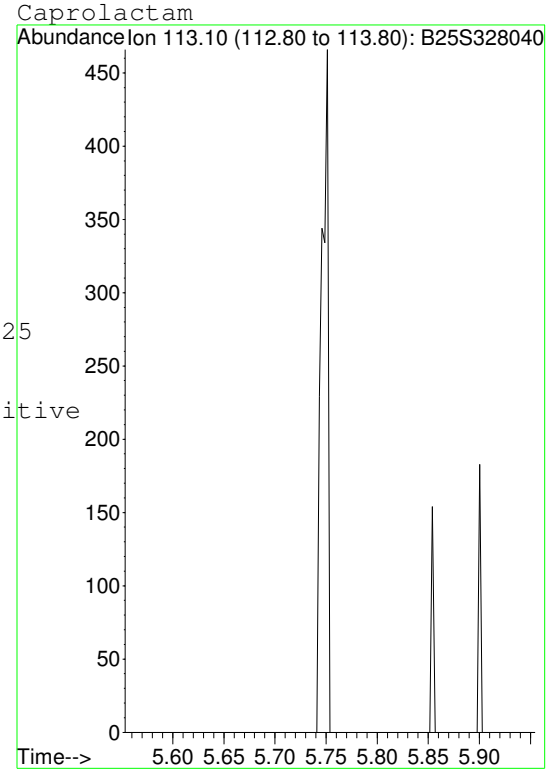
RT : 5.75
Area : 212
Amount: 0.259164

Manual Int. Results

Tue Nov 25 11:03:04 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Caprolactam



1 - FORM I
ANALYSIS DATA SHEET

B-1 (2-12in)

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-12	File ID:	B25S328041.D
Sampled:	11/17/25 11:50	Prepared:	11/20/25 15:25	Analyzed:	11/25/25 01:26
Solids:	88.58	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.09 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833
Instrument:	GCMSSV2				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol		0.054	0.75	
1912-24-9	Atrazine		0.052	0.75	
100-52-7	Benzaldehyde		0.053	0.38	L-04, V-05, V-34
92-52-4	Biphenyl		0.043	0.075	
105-60-2	Caprolactam		0.066	0.38	
83-32-9	Acenaphthene	0.0068	0.0042	0.037	J
208-96-8	Acenaphthylene	0.041	0.0047	0.037	
98-86-2	Acetophenone		0.040	0.38	
62-53-3	Aniline		0.072	0.38	V-34
120-12-7	Anthracene	0.029	0.0043	0.037	J
56-55-3	Benzo(a)anthracene	0.12	0.0059	0.037	
50-32-8	Benzo(a)pyrene	0.14	0.012	0.037	
205-99-2	Benzo(b)fluoranthene	0.25	0.0092	0.037	
191-24-2	Benzo(g,h,i)perylene	0.11	0.015	0.037	
207-08-9	Benzo(k)fluoranthene	0.085	0.0077	0.037	
111-91-1	Bis(2-chloroethoxy)methane		0.039	0.38	
111-44-4	Bis(2-chloroethyl)ether		0.051	0.38	
108-60-1	2,2'-oxybis(1-Chloropropane)		0.15	0.38	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.052	0.38	
101-55-3	4-Bromophenylphenylether		0.034	0.38	
85-68-7	Butylbenzylphthalate		0.043	0.38	
86-74-8	Carbazole		0.039	0.19	
106-47-8	4-Chloroaniline		0.061	0.74	
59-50-7	4-Chloro-3-methylphenol		0.040	0.74	
91-58-7	2-Chloronaphthalene		0.034	0.38	
95-57-8	2-Chlorophenol		0.033	0.38	
7005-72-3	4-Chlorophenylphenylether		0.035	0.38	
218-01-9	Chrysene	0.22	0.0048	0.037	
53-70-3	Dibenz(a,h)anthracene	0.036	0.017	0.037	J

1 - FORM I
ANALYSIS DATA SHEET

B-1 (2-12in)

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-12	File ID:	B25S328041.D
Sampled:	11/17/25 11:50	Prepared:	11/20/25 15:25	Analyzed:	11/25/25 01:26
Solids:	88.58	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.09 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
132-64-9	Dibenzofuran		0.037	0.38	
84-74-2	Di-n-butylphthalate		0.15	0.38	
91-94-1	3,3-Dichlorobenzidine		0.068	0.19	
120-83-2	2,4-Dichlorophenol		0.036	0.38	
84-66-2	Diethylphthalate		0.037	0.38	
105-67-9	2,4-Dimethylphenol		0.079	0.38	
131-11-3	Dimethylphthalate		0.034	0.38	
534-52-1	4,6-Dinitro-2-methylphenol		0.31	0.38	
51-28-5	2,4-Dinitrophenol		0.36	0.74	V-04, V-06
121-14-2	2,4-Dinitrotoluene		0.090	0.38	
606-20-2	2,6-Dinitrotoluene		0.048	0.38	
117-84-0	Di-n-octylphthalate		0.056	0.38	
206-44-0	Fluoranthene	0.26	0.0053	0.037	
86-73-7	Fluorene		0.0045	0.037	
118-74-1	Hexachlorobenzene		0.038	0.38	
87-68-3	Hexachlorobutadiene		0.039	0.38	
77-47-4	Hexachlorocyclopentadiene		0.19	0.38	
67-72-1	Hexachloroethane		0.034	0.38	
193-39-5	Indeno(1,2,3-cd)pyrene	0.12	0.015	0.037	
78-59-1	Isophorone		0.041	0.38	
90-12-0	1-Methylnaphthalene	0.042	0.0047	0.037	
91-57-6	2-Methylnaphthalene	0.052	0.0043	0.037	
95-48-7	2-Methylphenol		0.048	0.38	
108-39-4/106-4	3/4-Methylphenol		0.062	0.38	
91-20-3	Naphthalene	0.054	0.0054	0.037	
88-74-4	2-Nitroaniline		0.059	0.38	
99-09-2	3-Nitroaniline		0.050	0.38	
100-01-6	4-Nitroaniline		0.054	0.38	
98-95-3	Nitrobenzene		0.043	0.38	

1 - FORM I
ANALYSIS DATA SHEET

B-1 (2-12in)

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-12	File ID:	B25S328041.D
Sampled:	11/17/25 11:50	Prepared:	11/20/25 15:25	Analyzed:	11/25/25 01:26
Solids:	88.58	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.09 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
88-75-5	2-Nitrophenol		0.039	0.38	
100-02-7	4-Nitrophenol		0.15	0.74	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.050	0.38	
621-64-7	N-Nitrosodi-n-propylamine		0.047	0.38	
87-86-5	Pentachlorophenol		0.049	0.38	
85-01-8	Phenanthrene	0.15	0.0038	0.037	
108-95-2	Phenol		0.036	0.38	
129-00-0	Pyrene	0.21	0.0064	0.037	
110-86-1	Pyridine		0.048	0.38	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.037	0.38	
95-95-4	2,4,5-Trichlorophenol		0.039	0.38	
88-06-2	2,4,6-Trichlorophenol		0.033	0.38	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328041.D
Acq On : 25 Nov 2025 1:26 am
Operator : BGL
Sample : 25K1213-12 Inst : GCMSSV2
Misc :
ALS Vial : 41 Sample Multiplier: 1

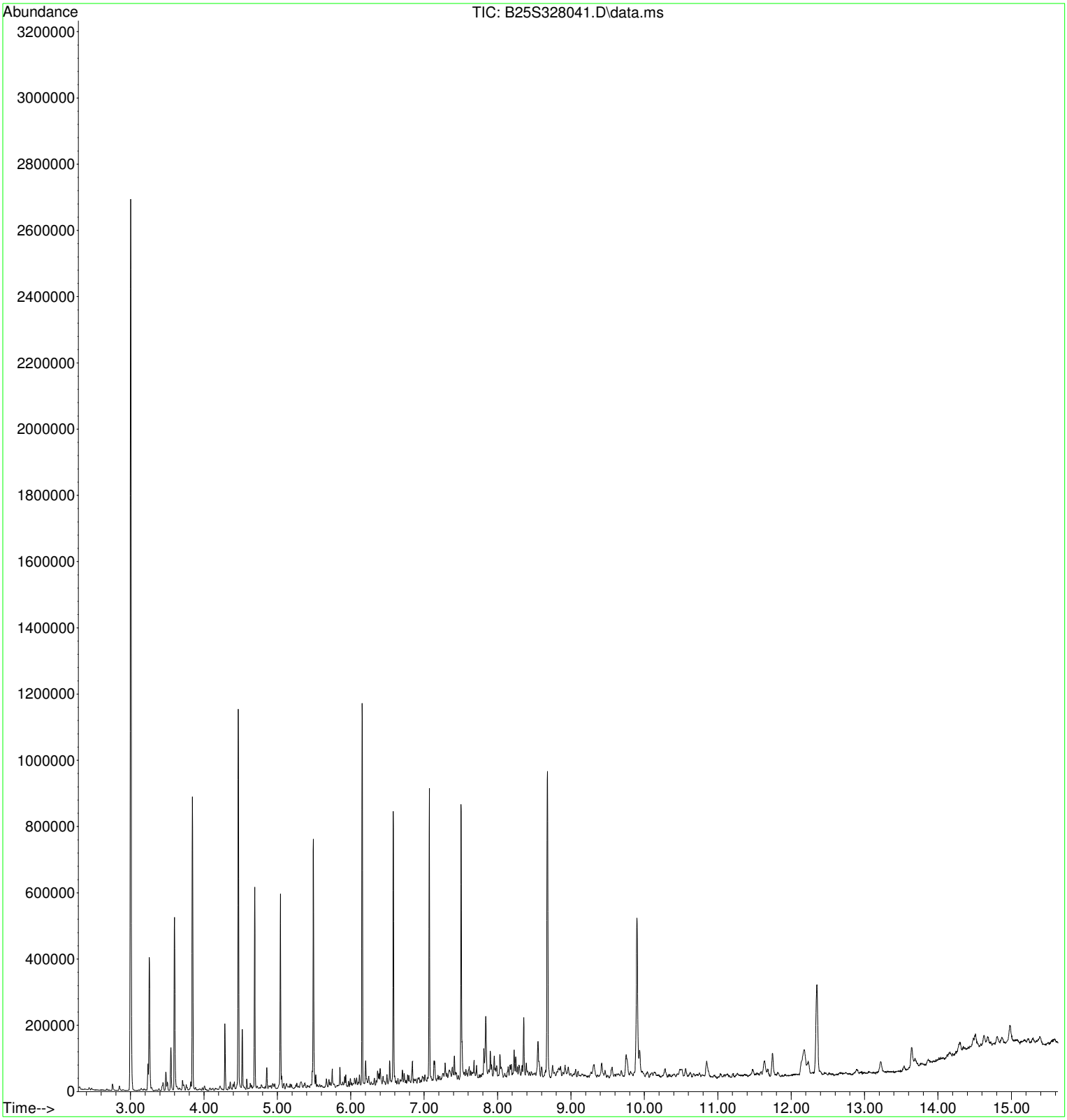
Quant Time: Nov 25 01:42:36 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

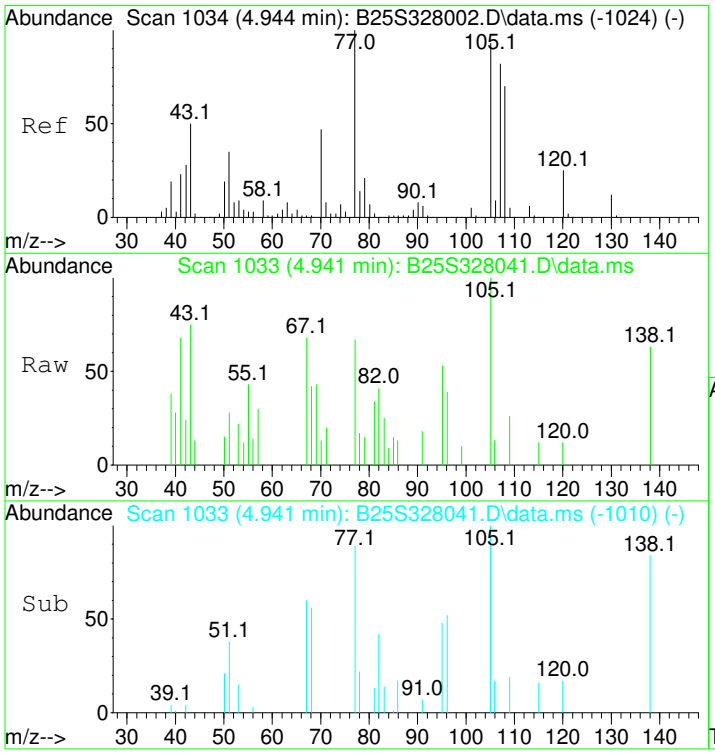
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.692	152	63010	40.00	ug/ml	-0.01
19) NAPHTHALENE-d8	5.491	136	239684	40.00	ug/ml	-0.01
35) ACENAPHTHENE-D10	6.579	164	121559	40.00	ug/ml	-0.01
58) PHENANTHRENE-D10	7.505	188	203680	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.899	240	189675	40.00	ug/ml	-0.02
80) PERYLENE-D12	12.350	264	168014	40.00	ug/ml	-0.01
88) 1,4-Dichlorobenzene-D4...	4.692	152	63010	40.00	ug/ml	-0.01
92) NAPHTHALENE-d8 (2)	5.491	136	239684	40.00	ug/ml	-0.01
95) ACENAPHTHENE-D10 (2)	6.579	164	121559	40.00	ug/ml	-0.01
System Monitoring Compounds						
2) 2-Fluorophenol	3.843	112	182926	103.91	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 51.95%			
3) Phenol-d6	4.468	99	299779	103.28	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 51.64%			
20) Nitrobenzene-d5	5.041	82	131538	55.14	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 55.14%			
36) 2-Fluorobiphenyl	6.155	172	240872	60.02	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 60.02%			
37) 2,4,6-Tribromophenol	7.070	330	65111	120.61	ug/ml	-0.01
Spiked Amount 200.000	Range 30 - 130		Recovery = 60.31%			
72) p-Terphenyl-d14	8.680	244	260989	66.44	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 66.44%			
Target Compounds						Qvalue
15) Acetophenone	4.941	105	1500	0.46	ug/ml#	78
26) Benzoic Acid	5.317	122	2091m	1.77	ug/ml	
29) Naphthalene	5.504	128	9470	1.44	ug/ml	97
33) 2-MethylNaphthalene	5.931	142	6224	1.39	ug/ml	95
34) 1-Methylnaphthalene	5.995	142	4680	1.11	ug/ml	94
44) 1,1-Biphenyl	6.219	154	1822	0.40	ug/ml#	98
47) Acenaphthylene	6.494	152	6421	1.10	ug/ml	92
49) Acenaphthene	6.600	154	704	0.18	ug/ml#	40
52) Dibenzofuran	6.708	168	3039	0.59	ug/ml	88
66) Phenanthrene	7.518	178	25246	3.97	ug/ml	97
67) Anthracene	7.549	178	4882	0.77	ug/ml	86
68) Carbazole	7.652	167	2660	0.45	ug/ml	96
70) Flouranthene	8.356	202	43691	6.95	ug/ml	96
74) Pyrene	8.549	202	39008	5.61	ug/ml	94
77) Benzo(a)anthracene	9.886	228	20569	3.21	ug/ml	86
78) Chrysene	9.935	228	37074	5.86	ug/ml	96
79) Bis(2-ethylhexyl)phtha...	9.958	149	2444	0.84	ug/ml	91
82) Benzo(b)fluoranthene	11.638	252	33898	6.58	ug/ml	89
83) Benzo(k)fluoranthene	11.681	252	11591	2.27	ug/ml	95
84) Benzo(a)pyrene	12.237	252	17829	3.73	ug/ml	96
85) Indeno(1,2,3-cd)pyrene	14.304	276	14012m	3.30	ug/ml	
86) Dibenz(a,h)anthracene	14.343	278	4278m	0.96	ug/ml	
87) Benzo(g,h,i)perylene	14.677	276	14370	3.05	ug/ml	91
90) Benzaldehyde	4.414	106	2573	1.23	ug/ml#	66

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

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328041.D
Acq On : 25 Nov 2025 1:26 am
Operator : BGL
Sample : 25K1213-12 Inst : GCMSSV2
Misc :
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Nov 25 01:42:36 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

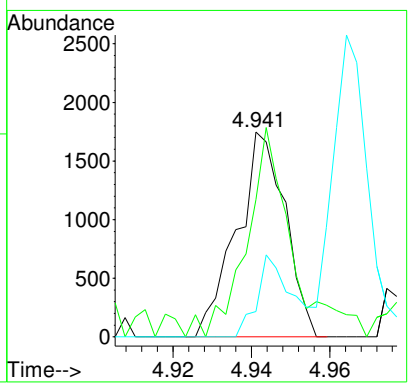


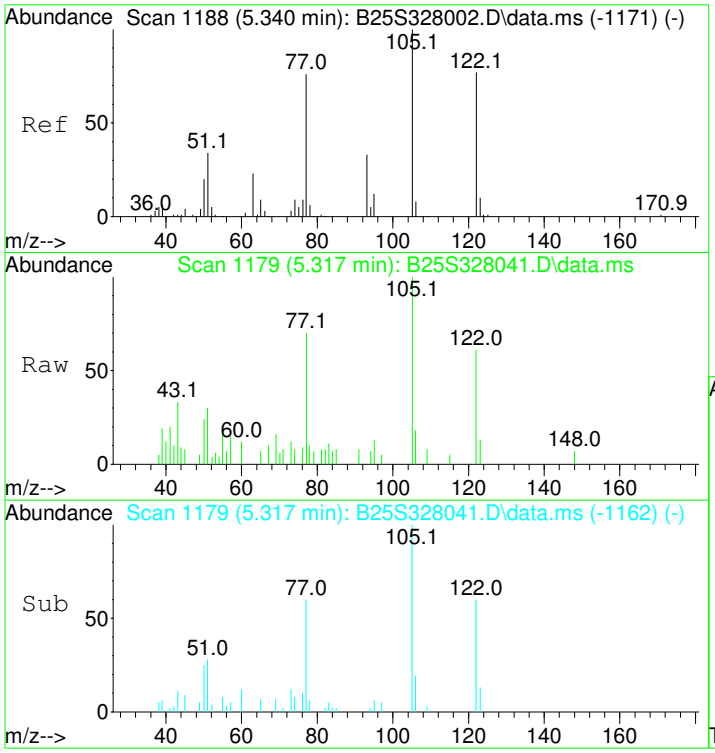


#15
Acetophenone
Concen: 0.46 ug/ml
RT: 4.941 min Scan# 1033
Delta R.T. -0.015 min
Lab File: B25S328041.D
Acq: 25 Nov 2025 1:26 am

Tgt Ion:105 Resp: 1500

Ion	Ratio	Lower	Upper
105	100		
77	94.9	105.8	145.8#
120	27.6	7.8	47.8

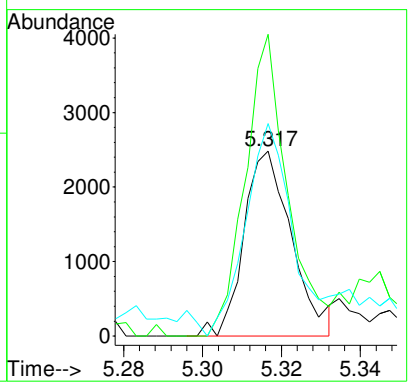


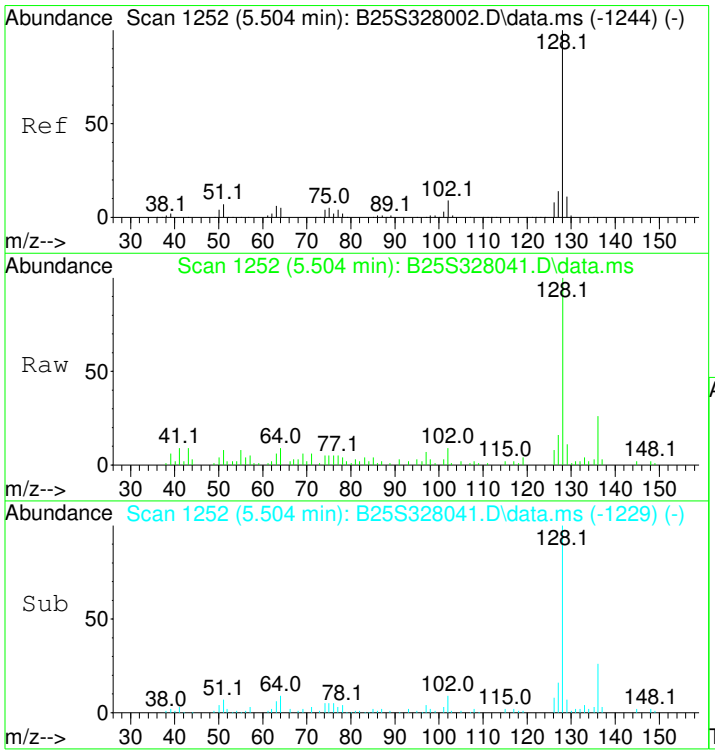


#26
Benzoic Acid
Concen: 1.77 ug/ml m
RT: 5.317 min Scan# 1179
Delta R.T. -0.023 min
Lab File: B25S328041.D
Acq: 25 Nov 2025 1:26 am

Tgt Ion:122 Resp: 2091

Ion	Ratio	Lower	Upper
122	100		
105	146.3	95.4	135.4#
77	104.3	64.2	104.2#

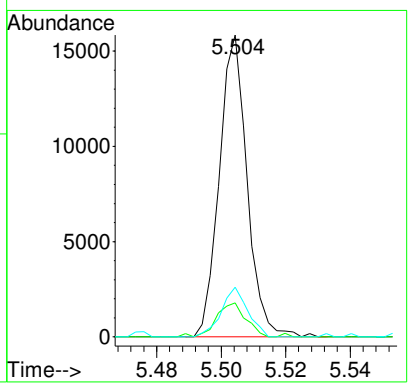


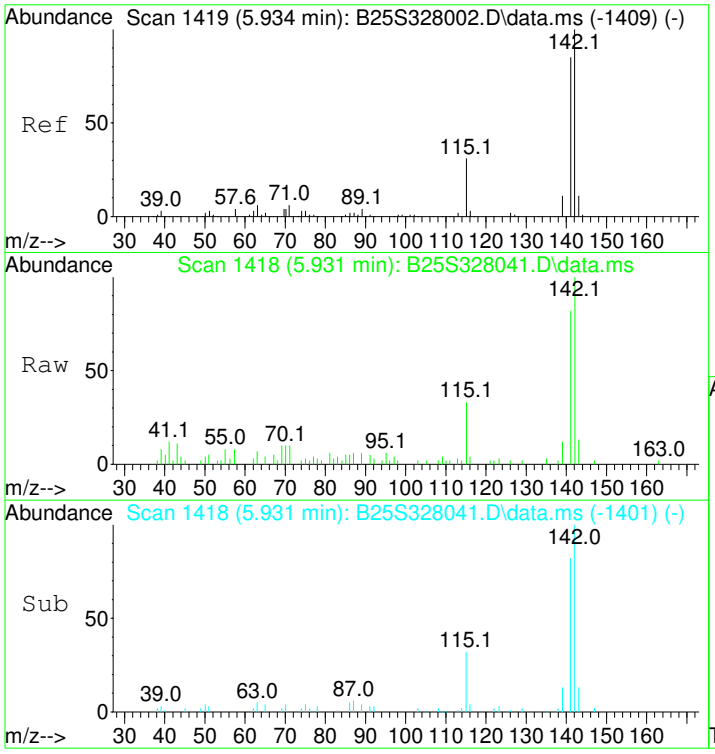


#29
Naphthalene
Concen: 1.44 ug/ml
RT: 5.504 min Scan# 1252
Delta R.T. -0.013 min
Lab File: B25S328041.D
Acq: 25 Nov 2025 1:26 am

Tgt Ion:128 Resp: 9470

Ion	Ratio	Lower	Upper
128	100		
129	12.0	0.0	31.1
127	15.5	0.0	34.2

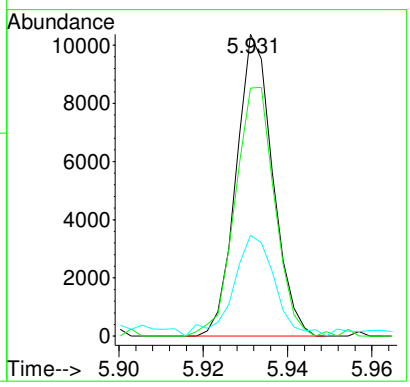


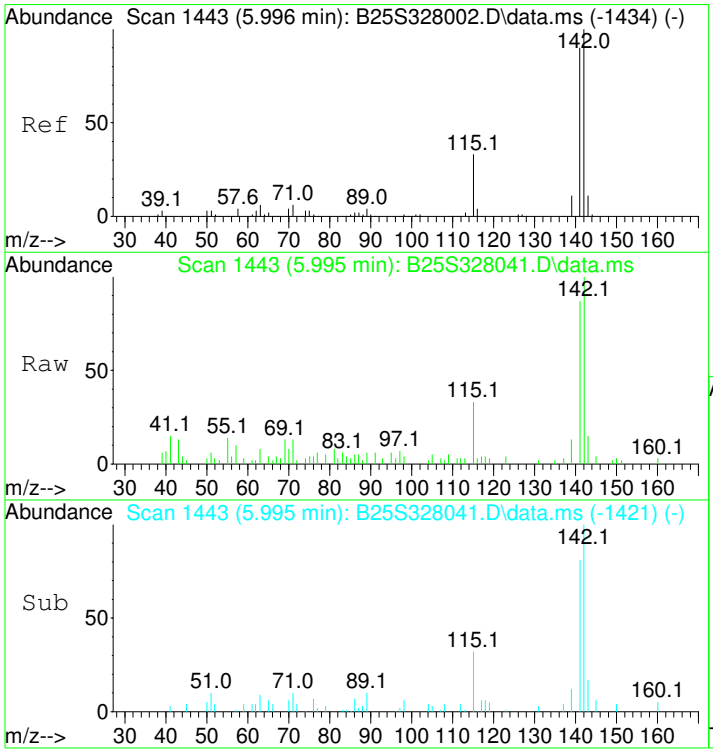


#33
2-MethylNaphthalene
Concen: 1.39 ug/ml
RT: 5.931 min Scan# 1418
Delta R.T. -0.013 min
Lab File: B25S328041.D
Acq: 25 Nov 2025 1:26 am

Tgt Ion:142 Resp: 6224

Ion	Ratio	Lower	Upper
142	100		
141	89.3	66.6	106.6
115	37.7	12.6	52.6

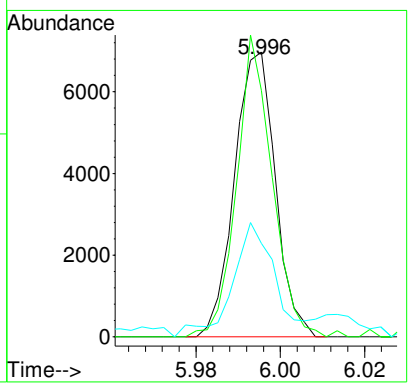


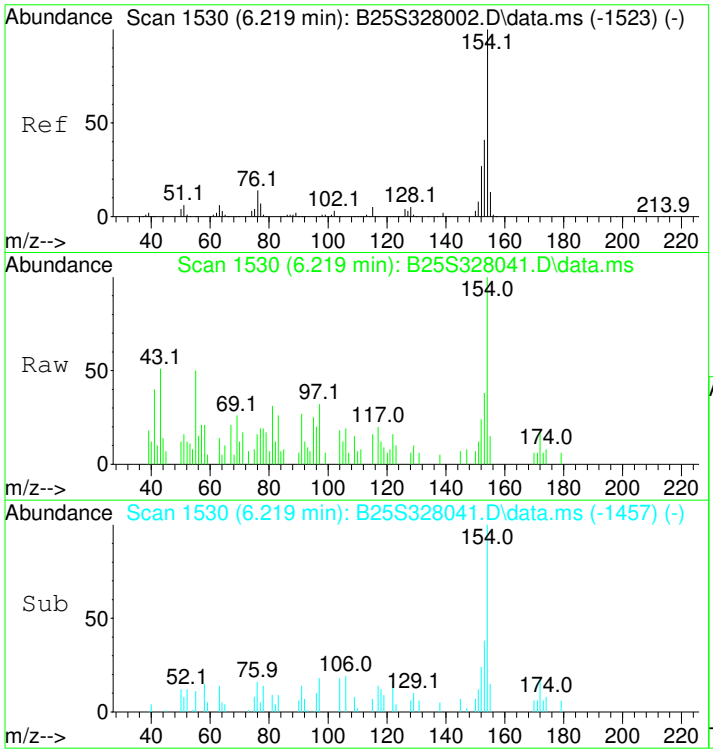


#34
1-Methylnaphthalene
Concen: 1.11 ug/ml
RT: 5.995 min Scan# 1443
Delta R.T. -0.010 min
Lab File: B25S328041.D
Acq: 25 Nov 2025 1:26 am

Tgt Ion:142 Resp: 4680

Ion	Ratio	Lower	Upper
142	100		
141	92.1	69.0	109.0
115	41.2	14.1	54.1

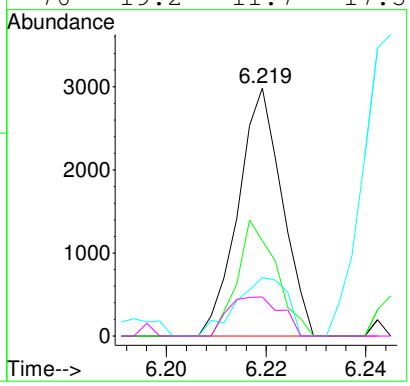


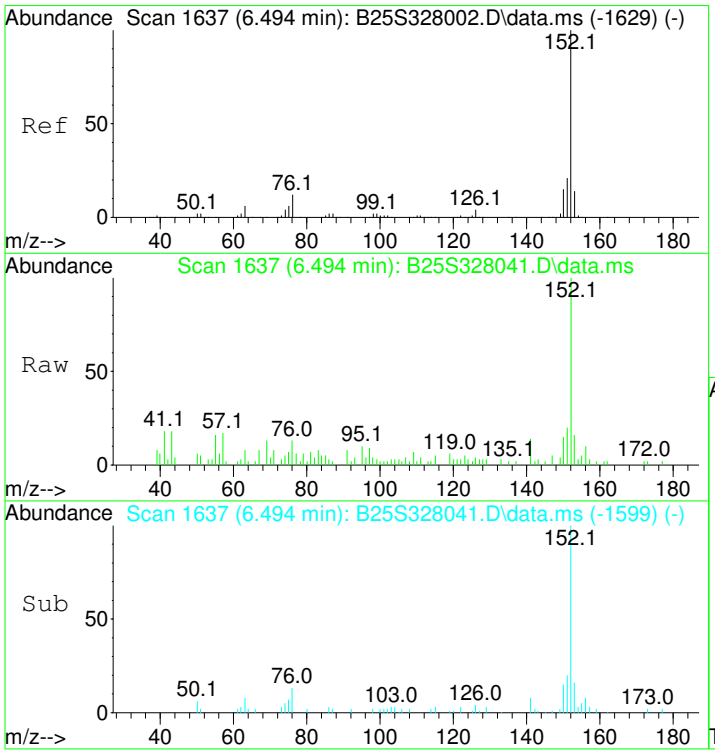


#44
1,1-Biphenyl
Concen: 0.40 ug/ml
RT: 6.219 min Scan# 1530
Delta R.T. -0.013 min
Lab File: B25S328041.D
Acq: 25 Nov 2025 1:26 am

Tgt Ion:154 Resp: 1822

Ion	Ratio	Lower	Upper
154	100		
153	41.7	33.0	49.4
152	27.4	22.0	33.0
76	19.2	11.7	17.5#

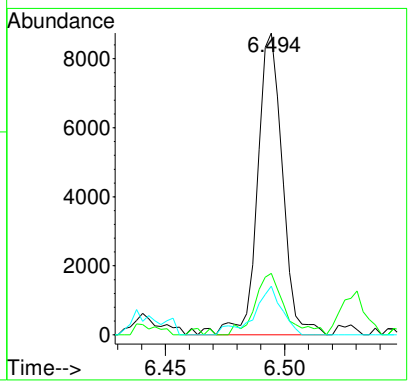


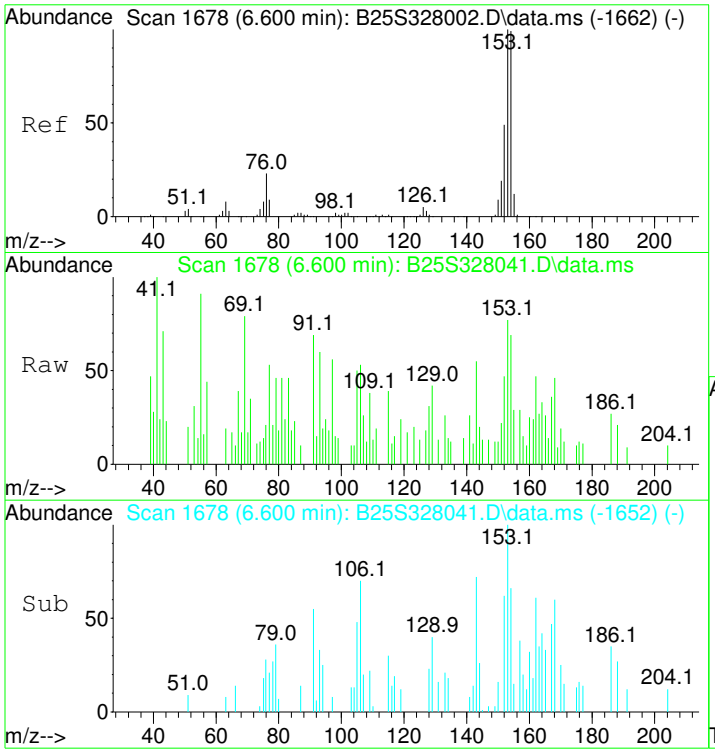


#47
Acenaphthylene
Concen: 1.10 ug/ml
RT: 6.494 min Scan# 1637
Delta R.T. -0.010 min
Lab File: B25S328041.D
Acq: 25 Nov 2025 1:26 am

Tgt Ion:152 Resp: 6421

Ion	Ratio	Lower	Upper
152	100		
151	23.9	1.0	41.0
153	17.8	0.0	33.1

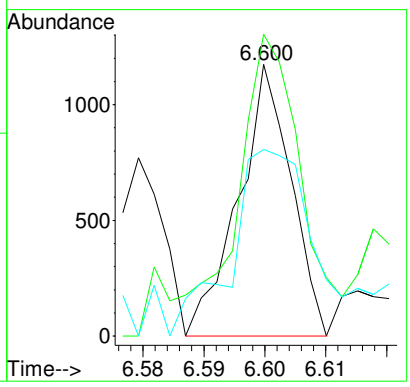


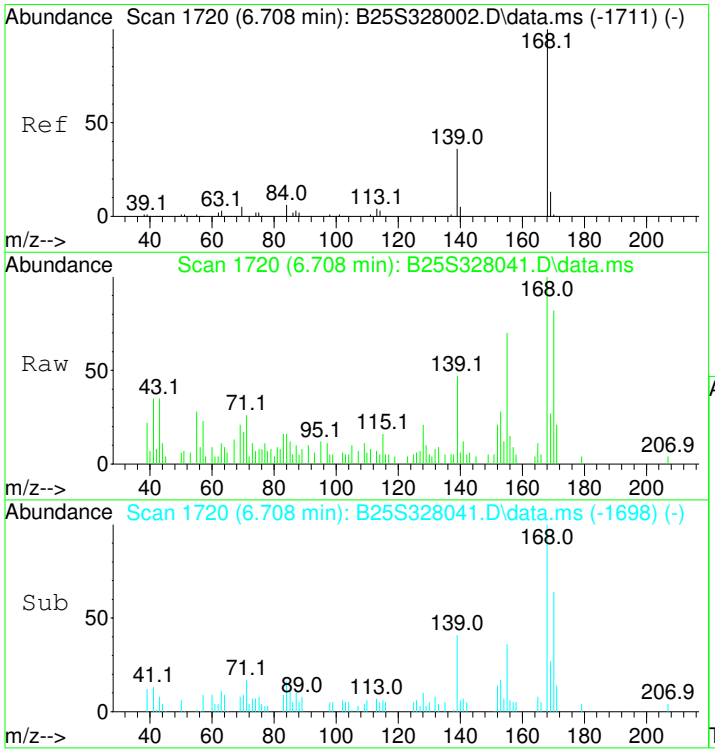


#49
Acenaphthene
Concen: 0.18 ug/ml
RT: 6.600 min Scan# 1678
Delta R.T. -0.013 min
Lab File: B25S328041.D
Acq: 25 Nov 2025 1:26 am

Tgt Ion:154 Resp: 704

Ion	Ratio	Lower	Upper
154	100		
153	145.5	77.8	117.8#
152	104.1	28.0	68.0#

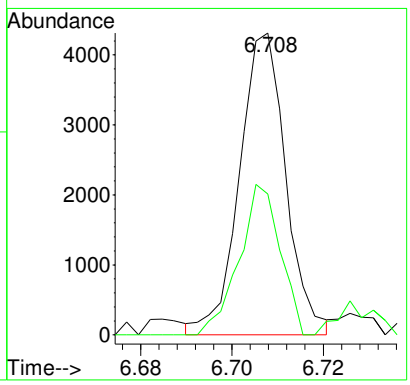


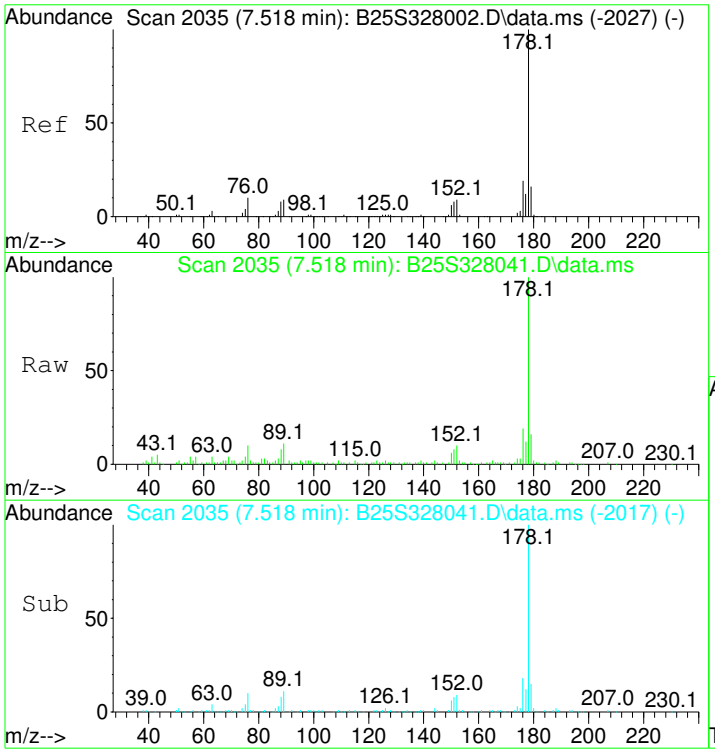


#52
Dibenzofuran
Concen: 0.59 ug/ml
RT: 6.708 min Scan# 1720
Delta R.T. -0.010 min
Lab File: B25S328041.D
Acq: 25 Nov 2025 1:26 am

Tgt Ion:168 Resp: 3039

Ion	Ratio	Lower	Upper
168	100		
139	44.1	16.8	56.8

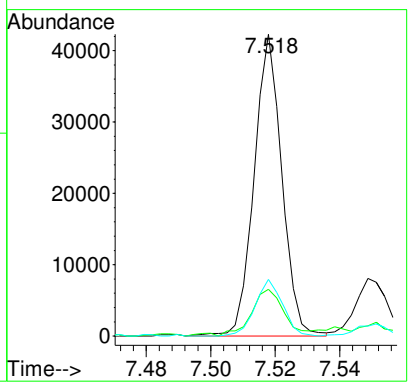


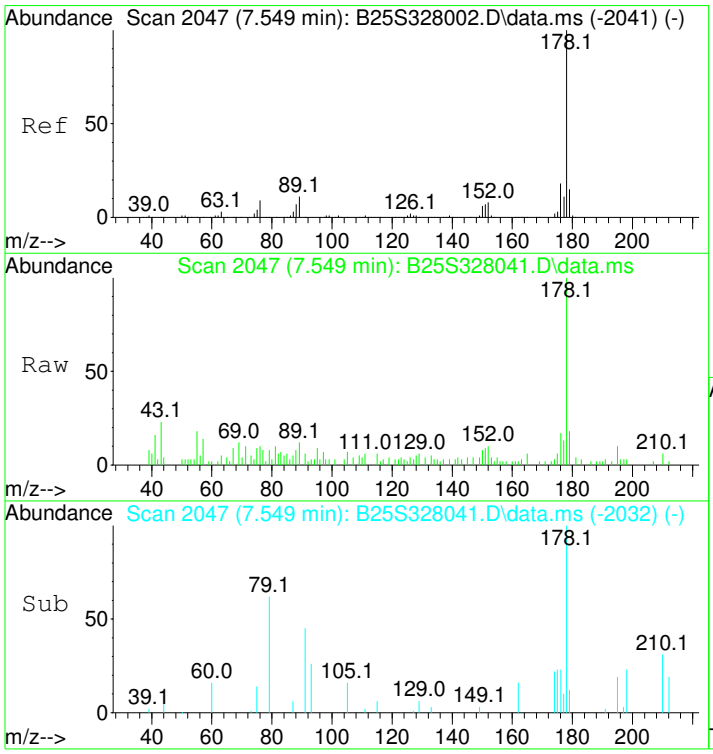


#66
Phenanthrene
Concen: 3.97 ug/ml
RT: 7.518 min Scan# 2035
Delta R.T. -0.010 min
Lab File: B25S328041.D
Acq: 25 Nov 2025 1:26 am

Tgt Ion:178 Resp: 25246

Ion	Ratio	Lower	Upper
178	100		
179	18.1	0.0	35.5
176	18.6	0.0	39.0

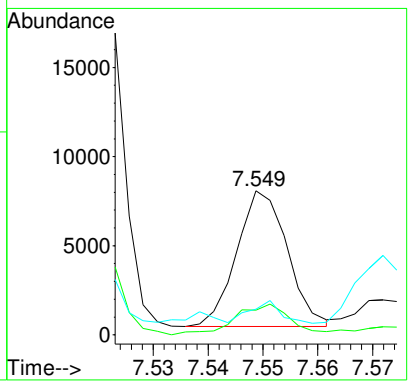


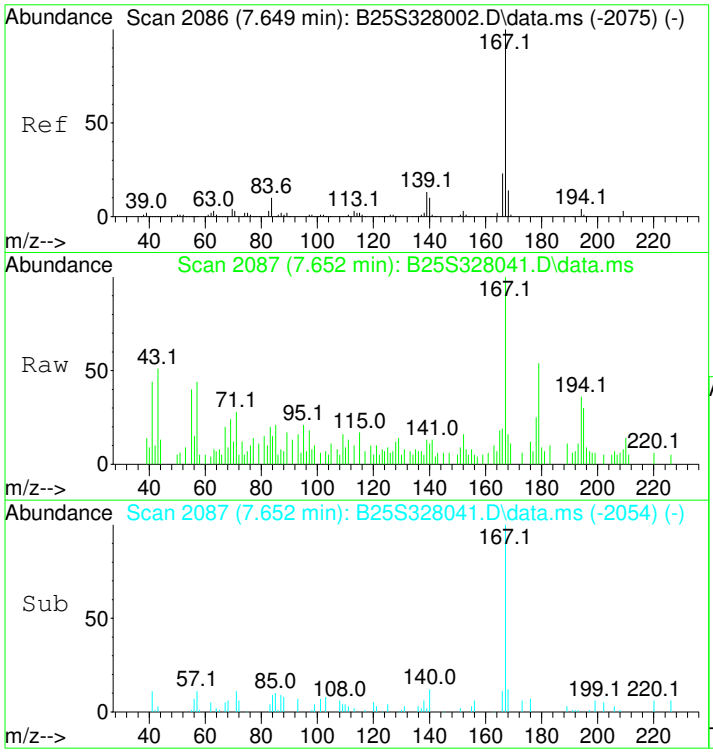


#67
Anthracene
Concen: 0.77 ug/ml
RT: 7.549 min Scan# 2047
Delta R.T. -0.013 min
Lab File: B25S328041.D
Acq: 25 Nov 2025 1:26 am

Tgt Ion:178 Resp: 4882

Ion	Ratio	Lower	Upper
178	100		
176	24.7	0.0	38.3
179	9.9	0.0	35.5

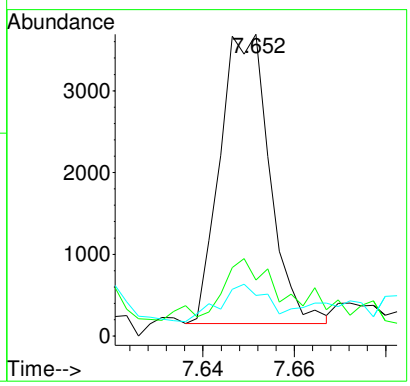


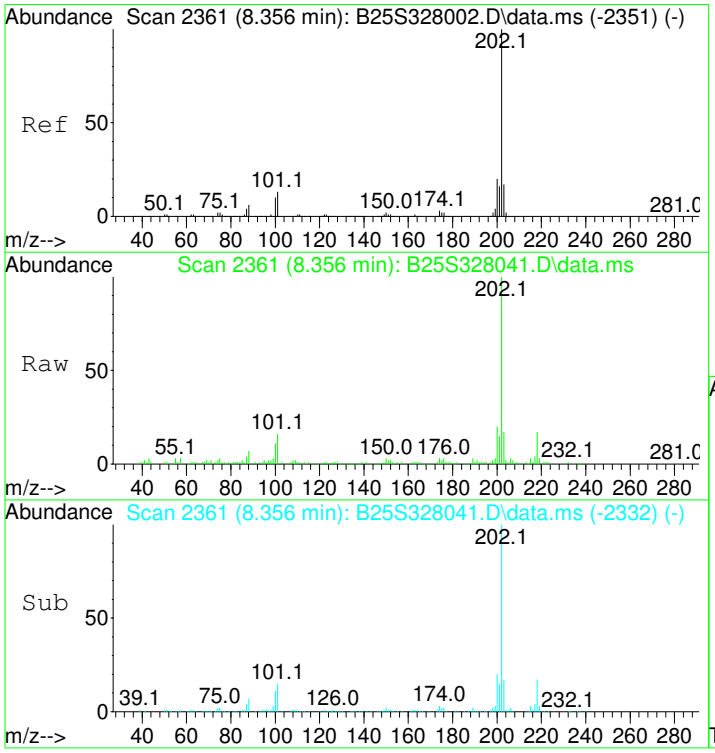


#68
Carbazole
Concen: 0.45 ug/ml
RT: 7.652 min Scan# 2087
Delta R.T. -0.005 min
Lab File: B25S328041.D
Acq: 25 Nov 2025 1:26 am

Tgt Ion:167 Resp: 2660

Ion	Ratio	Lower	Upper
167	100		
166	19.1	1.9	41.9
139	12.9	0.0	33.5

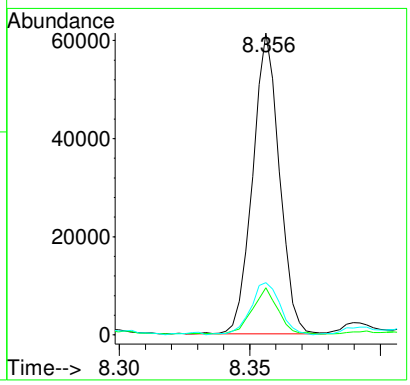


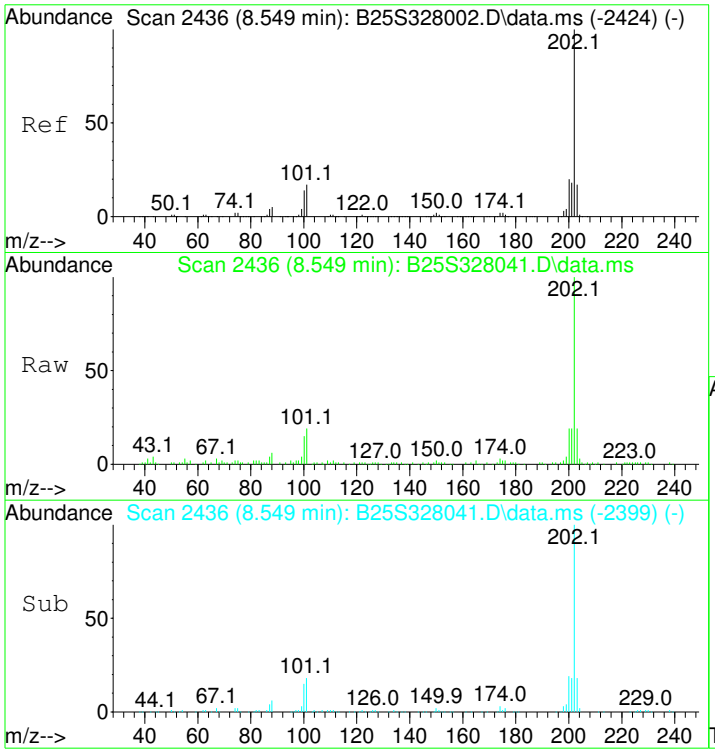


#70
Flouranthene
Concen: 6.95 ug/ml
RT: 8.356 min Scan# 2361
Delta R.T. -0.010 min
Lab File: B25S328041.D
Acq: 25 Nov 2025 1:26 am

Tgt Ion:202 Resp: 43691

Ion	Ratio	Lower	Upper
202	100		
101	14.9	0.0	36.2
203	19.4	0.0	37.5

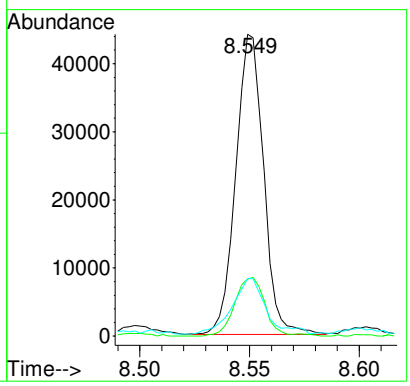


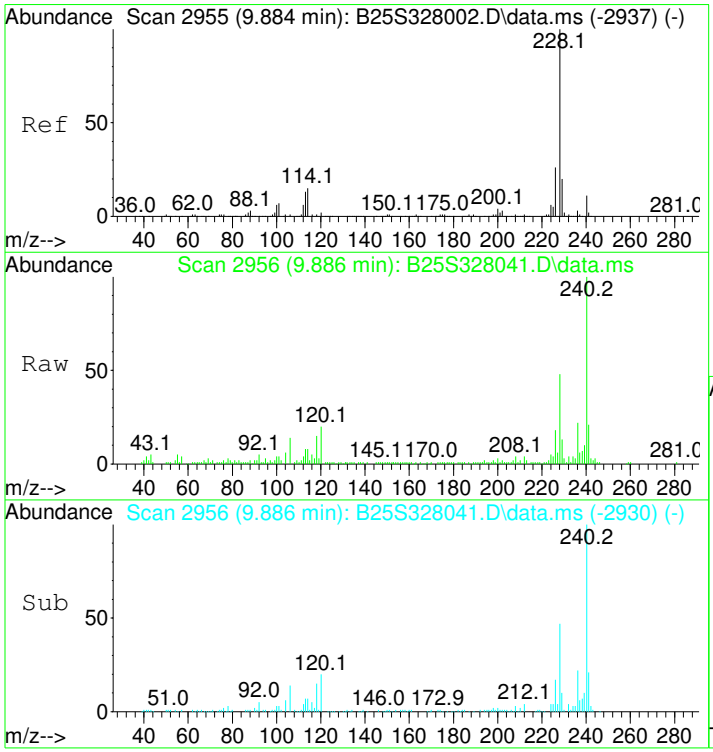


#74
Pyrene
Concen: 5.61 ug/ml
RT: 8.549 min Scan# 2436
Delta R.T. -0.013 min
Lab File: B25S328041.D
Acq: 25 Nov 2025 1:26 am

Tgt Ion:202 Resp: 39008

Ion	Ratio	Lower	Upper
202	100		
200	20.9	0.1	40.1
203	22.6	0.0	38.1

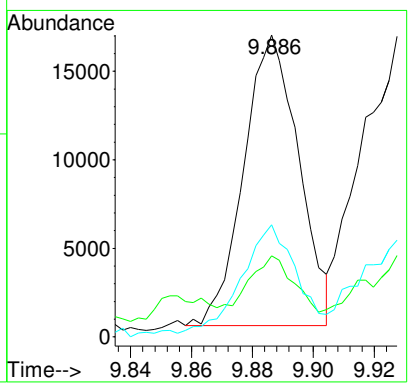


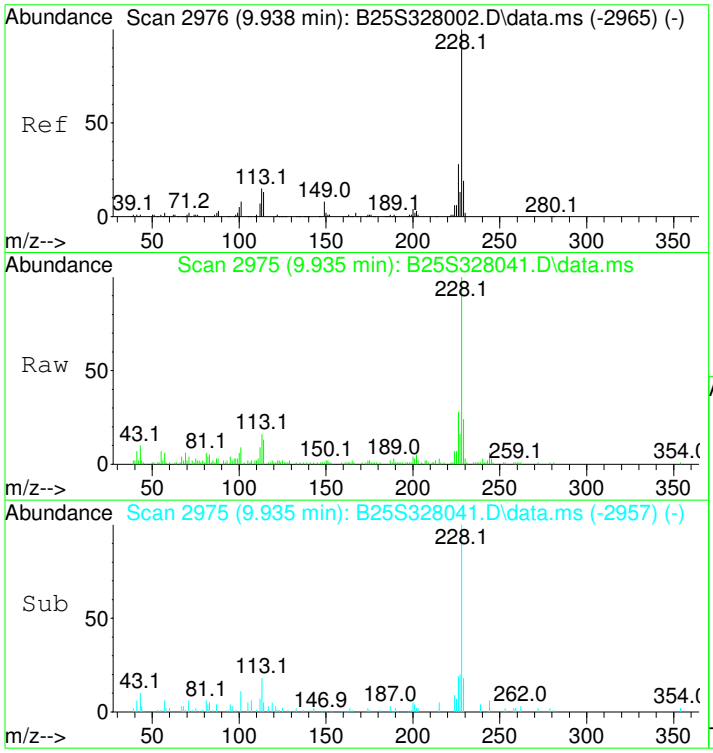


#77
Benzo(a)anthracene
Concen: 3.21 ug/ml
RT: 9.886 min Scan# 2956
Delta R.T. -0.015 min
Lab File: B25S328041.D
Acq: 25 Nov 2025 1:26 am

Tgt Ion:228 Resp: 20569

Ion	Ratio	Lower	Upper
228	100		
229	18.3	0.0	38.9
226	37.1	4.9	44.9

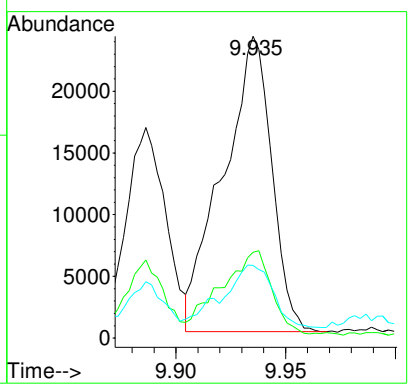


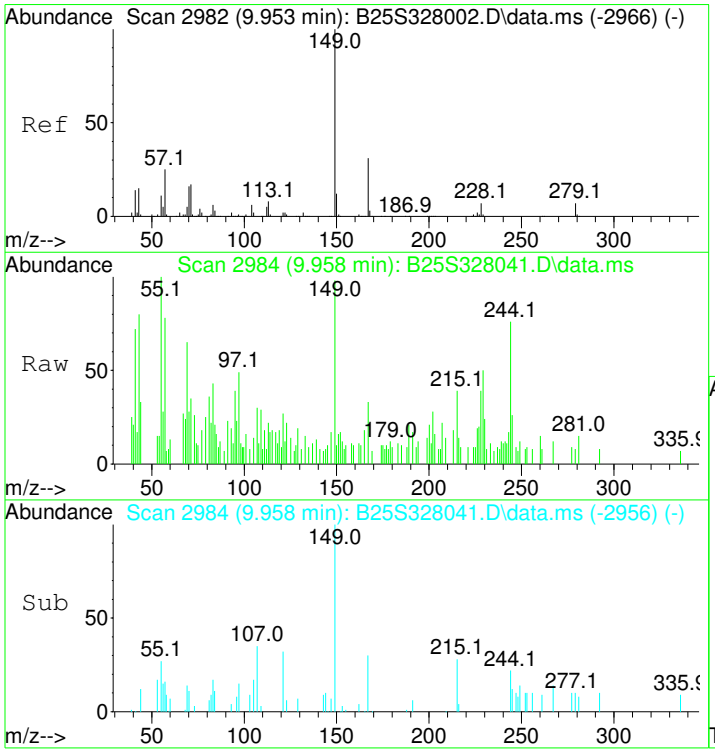


#78
Chrysene
Concen: 5.86 ug/ml
RT: 9.935 min Scan# 2975
Delta R.T. -0.018 min
Lab File: B25S328041.D
Acq: 25 Nov 2025 1:26 am

Tgt Ion:228 Resp: 37074

Ion	Ratio	Lower	Upper
228	100		
226	29.1	8.1	48.1
229	22.0	0.0	38.9

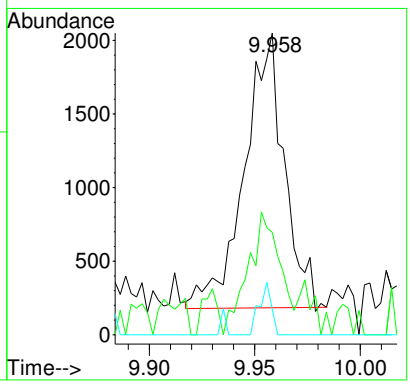


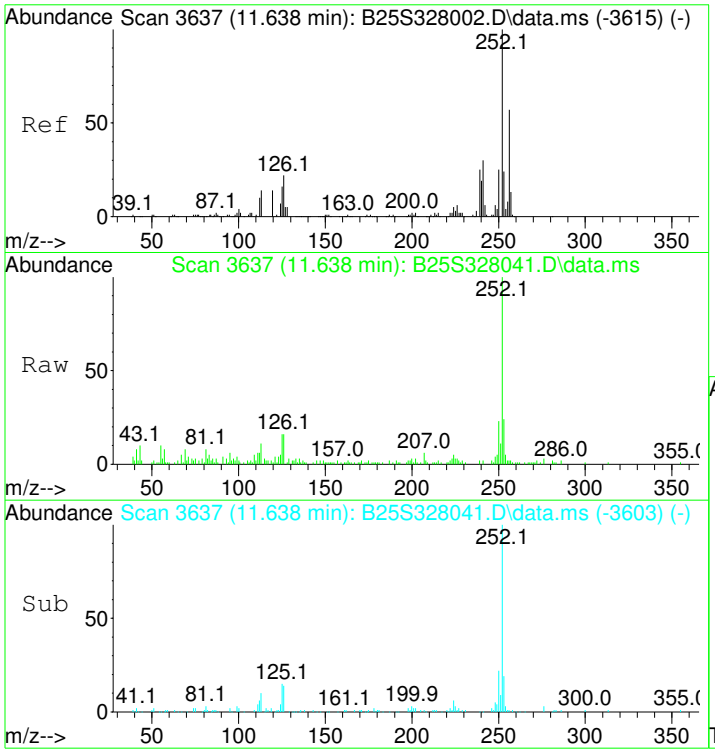


#79
Bis(2-ethylhexyl)phthalate
Concen: 0.84 ug/ml
RT: 9.958 min Scan# 2984
Delta R.T. -0.018 min
Lab File: B25S328041.D
Acq: 25 Nov 2025 1:26 am

Tgt Ion:149 Resp: 2444

Ion	Ratio	Lower	Upper
149	100		
167	35.8	10.2	50.2
279	5.8	0.0	27.3

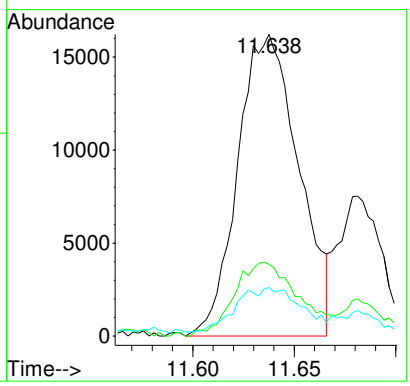


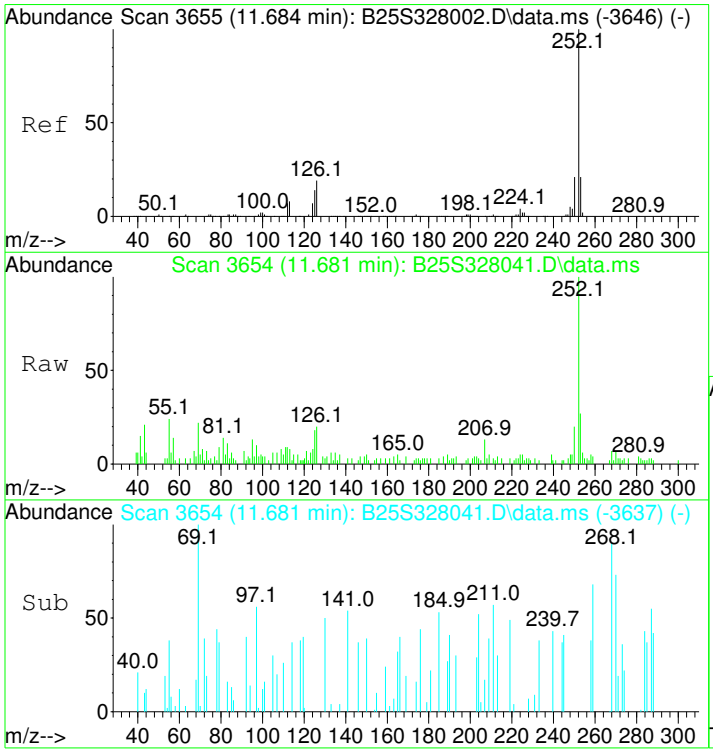


#82
Benzo(b)fluoranthene
Concen: 6.58 ug/ml
RT: 11.638 min Scan# 3637
Delta R.T. -0.015 min
Lab File: B25S328041.D
Acq: 25 Nov 2025 1:26 am

Tgt Ion:252 Resp: 33898

Ion	Ratio	Lower	Upper
252	100		
253	26.3	2.2	42.2
125	8.2	0.0	34.5

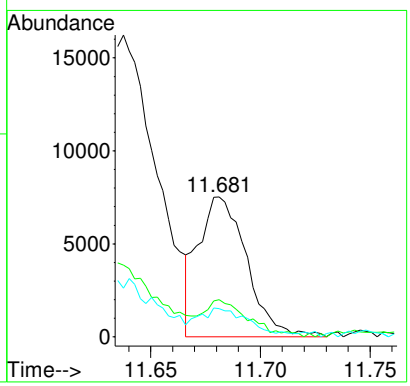


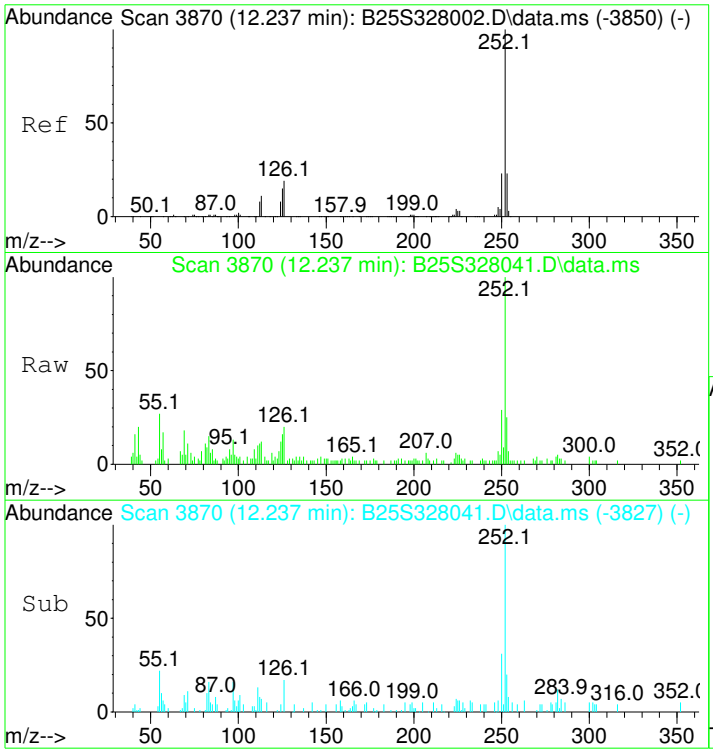


#83
Benzo(k)fluoranthene
Concen: 2.27 ug/ml
RT: 11.681 min Scan# 3654
Delta R.T. -0.023 min
Lab File: B25S328041.D
Acq: 25 Nov 2025 1:26 am

Tgt Ion:252 Resp: 11591

Ion	Ratio	Lower	Upper
252	100		
253	23.4	0.7	40.7
126	17.2	0.0	39.4

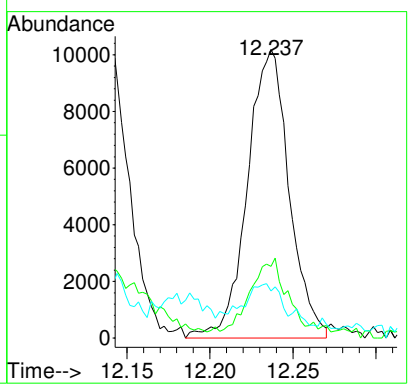


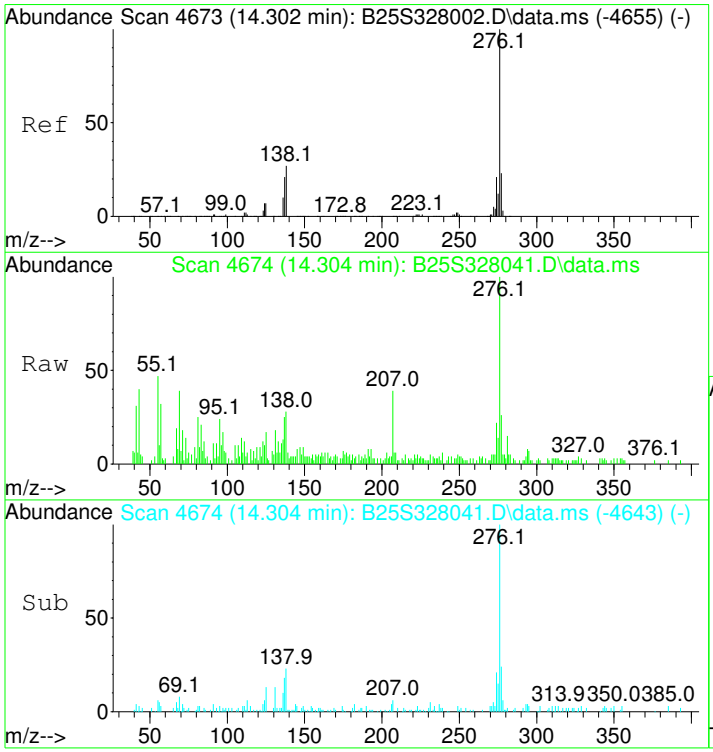


#84
Benzo(a)pyrene
Concen: 3.73 ug/ml
RT: 12.237 min Scan# 3870
Delta R.T. -0.015 min
Lab File: B25S328041.D
Acq: 25 Nov 2025 1:26 am

Tgt Ion:252 Resp: 17829

Ion	Ratio	Lower	Upper
252	100		
253	22.0	0.4	40.4
125	11.8	0.0	34.0

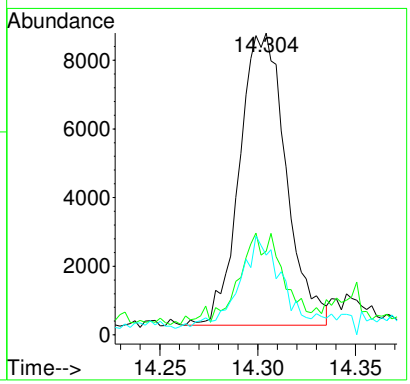


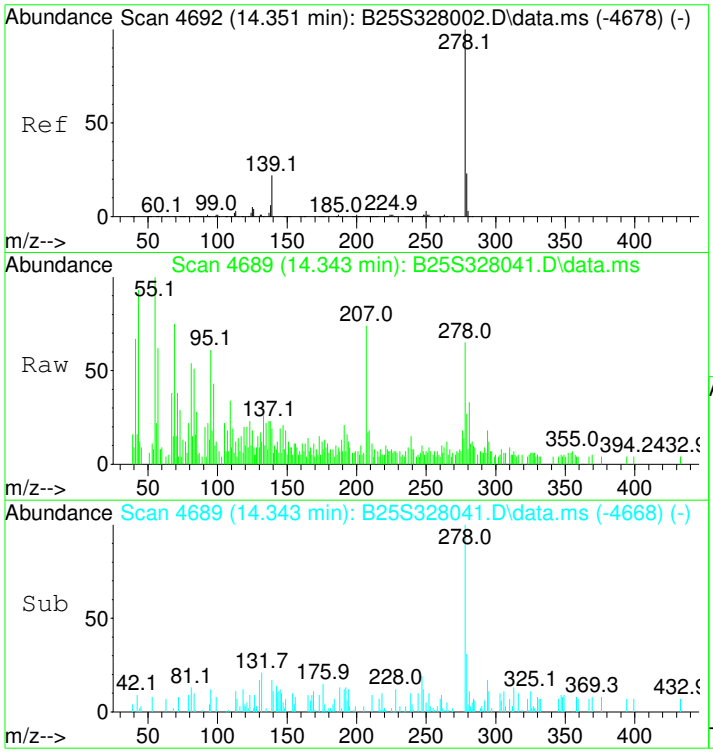


#85
Indeno(1,2,3-cd)pyrene
Concen: 3.30 ug/ml m
RT: 14.304 min Scan# 4674
Delta R.T. -0.010 min
Lab File: B25S328041.D
Acq: 25 Nov 2025 1:26 am

Tgt Ion:276 Resp: 14012

Ion	Ratio	Lower	Upper
276	100		
138	38.5	5.0	45.0
277	32.9	4.1	44.1

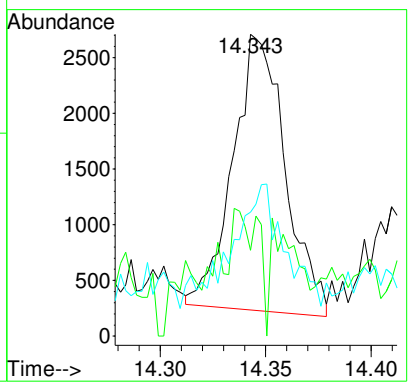


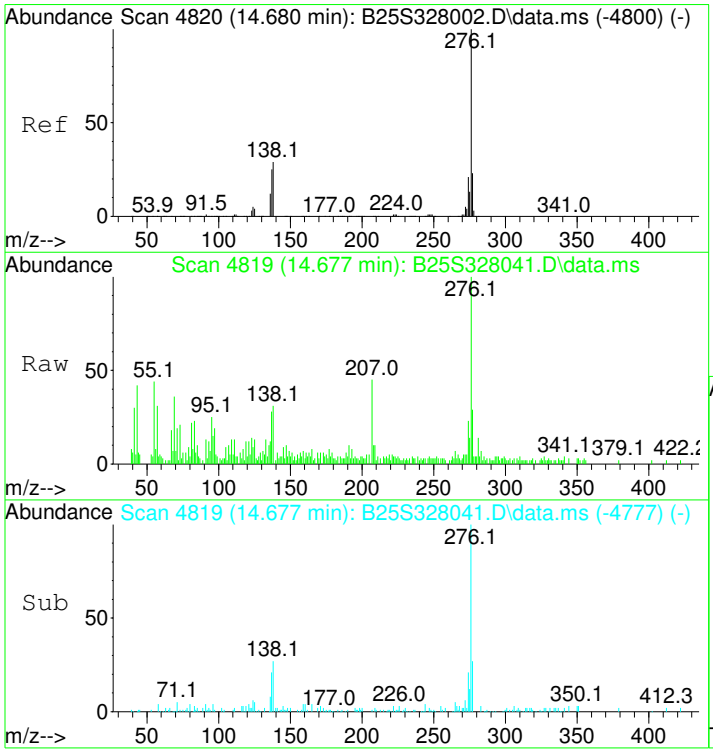


#86
Dibenz(a,h)anthracene
Concen: 0.96 ug/ml m
RT: 14.343 min Scan# 4689
Delta R.T. -0.018 min
Lab File: B25S328041.D
Acq: 25 Nov 2025 1:26 am

Tgt Ion:278 Resp: 4278

Ion	Ratio	Lower	Upper
278	100		
139	46.9	1.1	41.1#
279	41.7	3.5	43.5

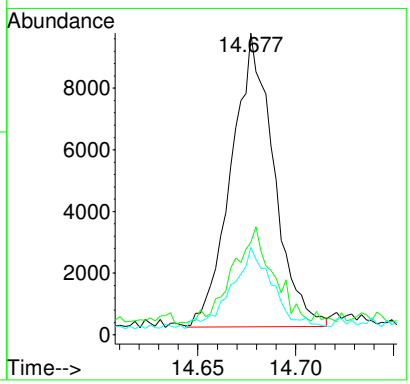


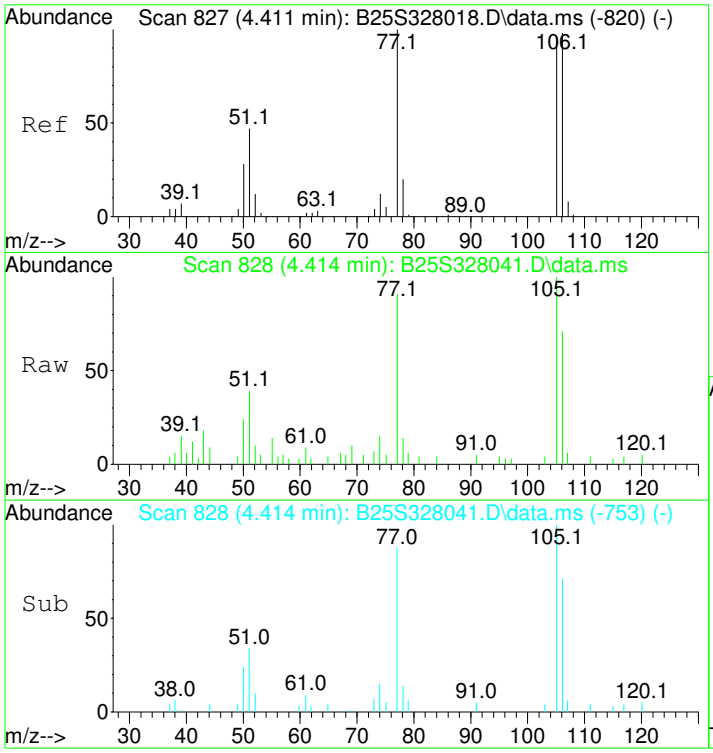


#87
Benzo(g,h,i)perylene
Concen: 3.05 ug/ml
RT: 14.677 min Scan# 4819
Delta R.T. -0.010 min
Lab File: B25S328041.D
Acq: 25 Nov 2025 1:26 am

Tgt Ion:276 Resp: 14370

Ion	Ratio	Lower	Upper
276	100		
138	32.0	5.6	45.6
277	25.9	3.2	43.2

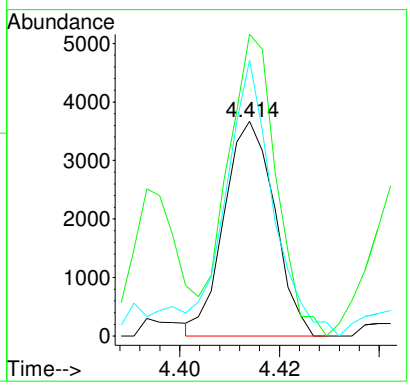




#90
Benzaldehyde
Concen: 1.23 ug/ml
RT: 4.414 min Scan# 828
Delta R.T. -0.008 min
Lab File: B25S328041.D
Acq: 25 Nov 2025 1:26 am

Tgt Ion:106 Resp: 2573

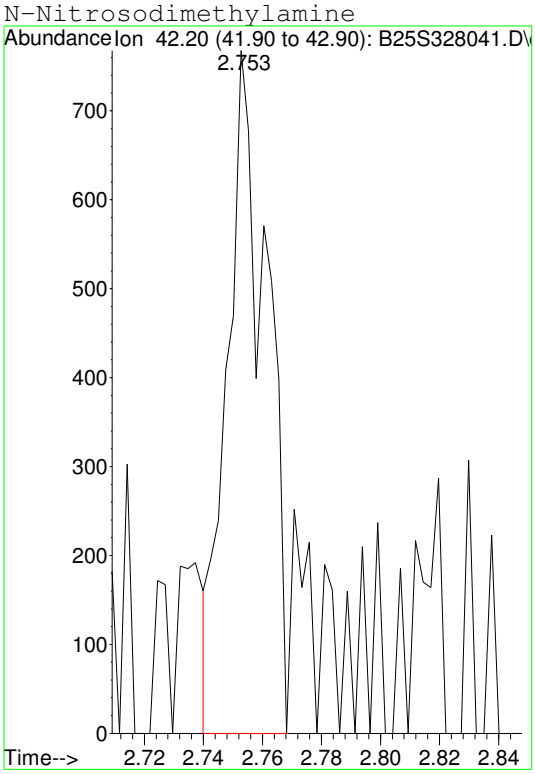
Ion	Ratio	Lower	Upper
106	100		
105	135.1	79.4	119.2#
77	133.5	81.3	121.9#



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328041.D
Acq On : 25 Nov 2025 1:26 am
Operator : BGL
Sample : 25K1213-12
Misc :

Quant Time : Tue Nov 25 11:06:10 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
N-Nitrosodimethylamine



Original Int. Results

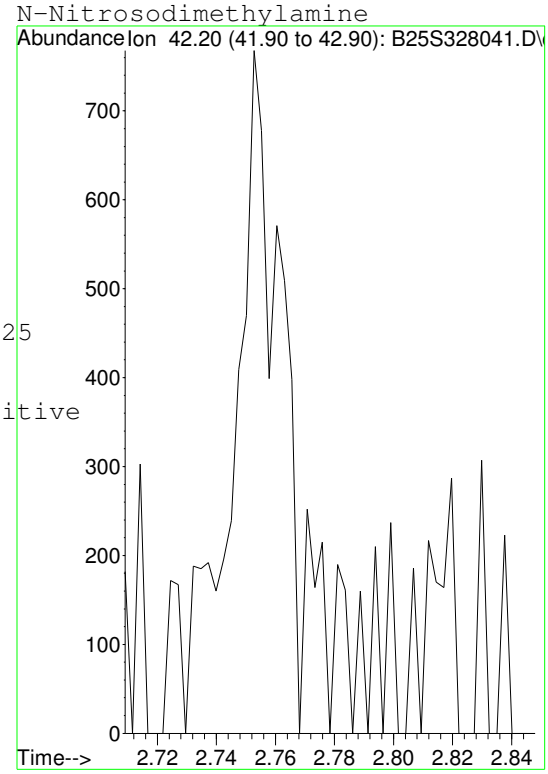
RT : 2.75
Area : 715
Amount: 0.637242

Manual Int. Results

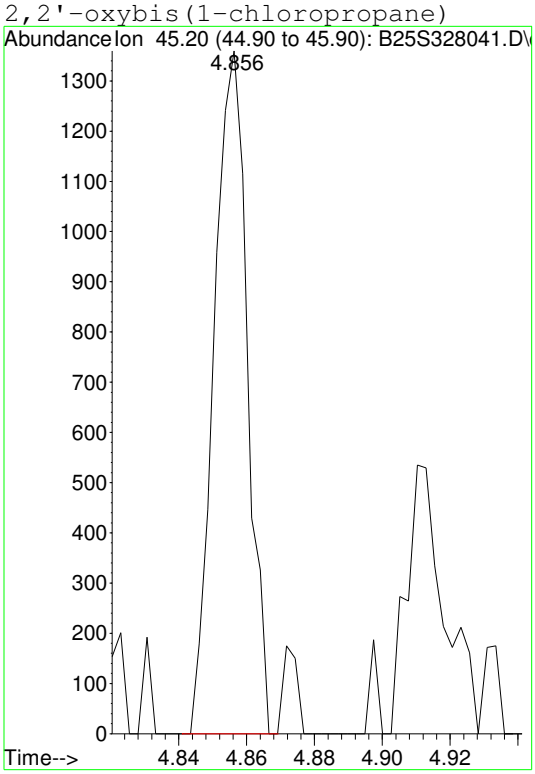
Tue Nov 25 11:03:49 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
N-Nitrosodimethylamine



Original Integration
2,2'-oxybis(1-chloropropane)



Original Int. Results

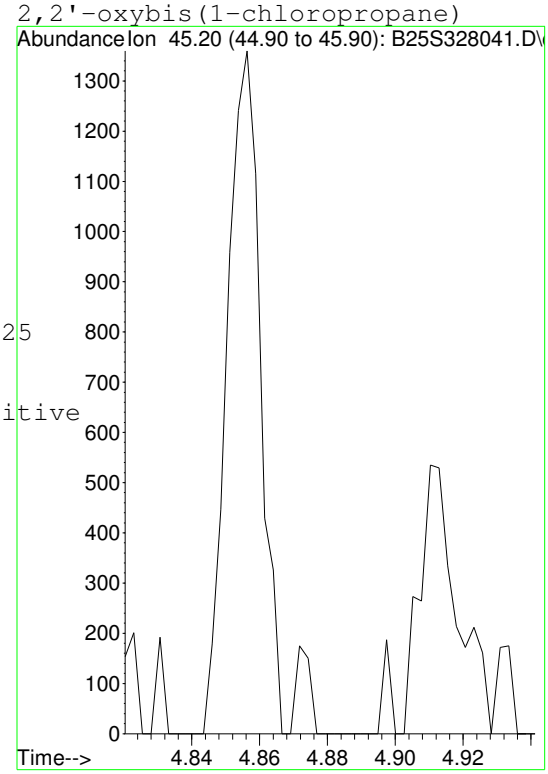
RT : 4.86
Area : 934
Amount: 0.356327

Manual Int. Results

Tue Nov 25 11:03:49 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

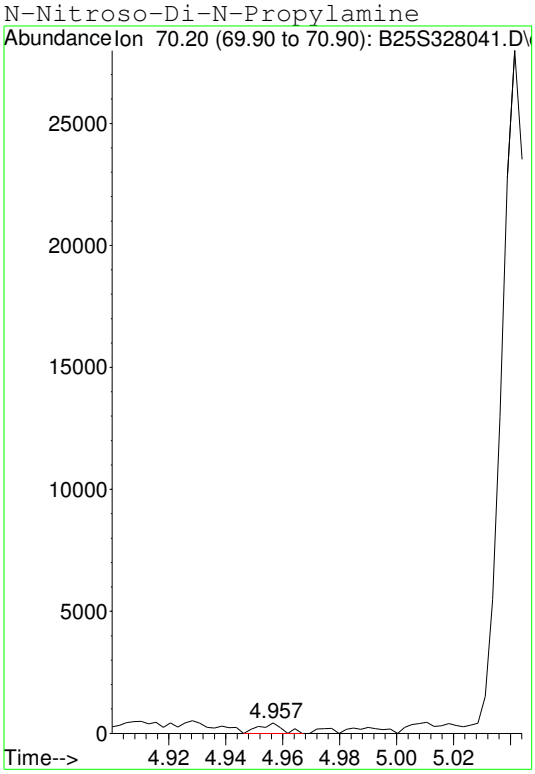
Manual Integration
2,2'-oxybis(1-chloropropane)



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328041.D
Acq On : 25 Nov 2025 1:26 am
Operator : BGL
Sample : 25K1213-12
Misc :

Quant Time : Tue Nov 25 11:06:10 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
N-Nitroso-Di-N-Propylamine



Original Int. Results

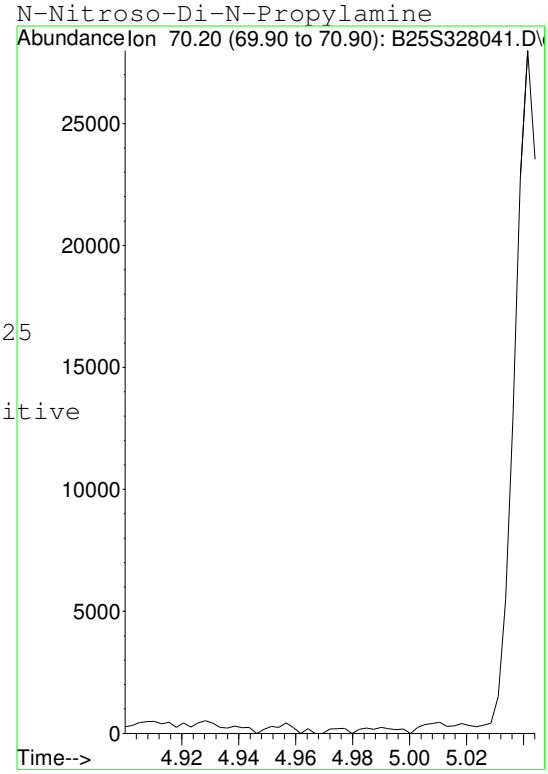
RT : 4.96
Area : 239
Amount: 0.141698

Manual Int. Results

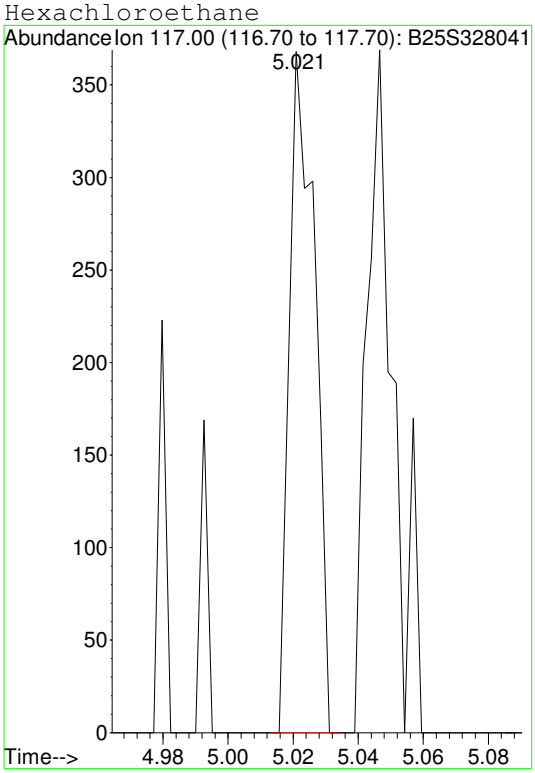
Tue Nov 25 11:03:49 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
N-Nitroso-Di-N-Propylamine



Original Integration
Hexachloroethane



Original Int. Results

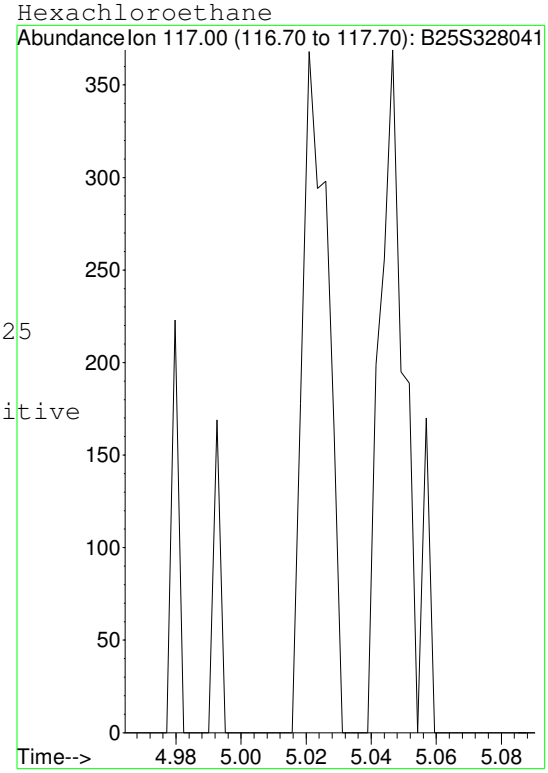
RT : 5.02
Area : 201
Amount: 0.198092

Manual Int. Results

Tue Nov 25 11:03:48 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

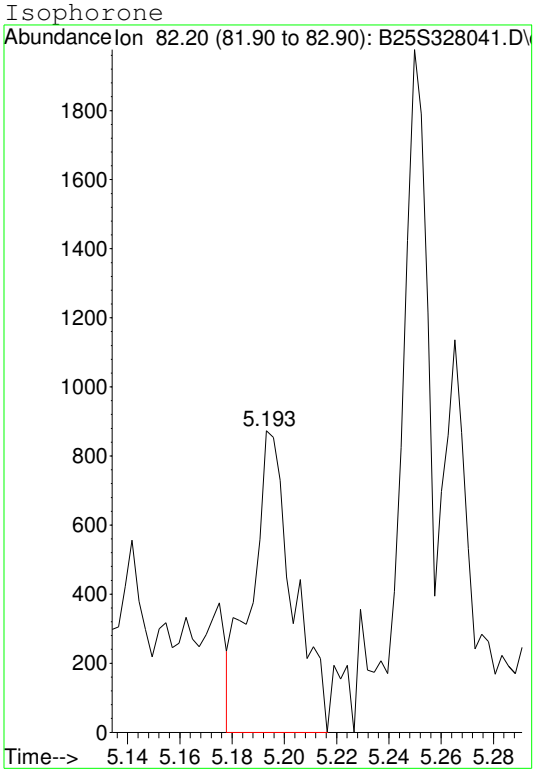
Manual Integration
Hexachloroethane



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328041.D
Acq On : 25 Nov 2025 1:26 am
Operator : BGL
Sample : 25K1213-12
Misc :

Quant Time : Tue Nov 25 11:06:10 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Isophorone



Original Int. Results

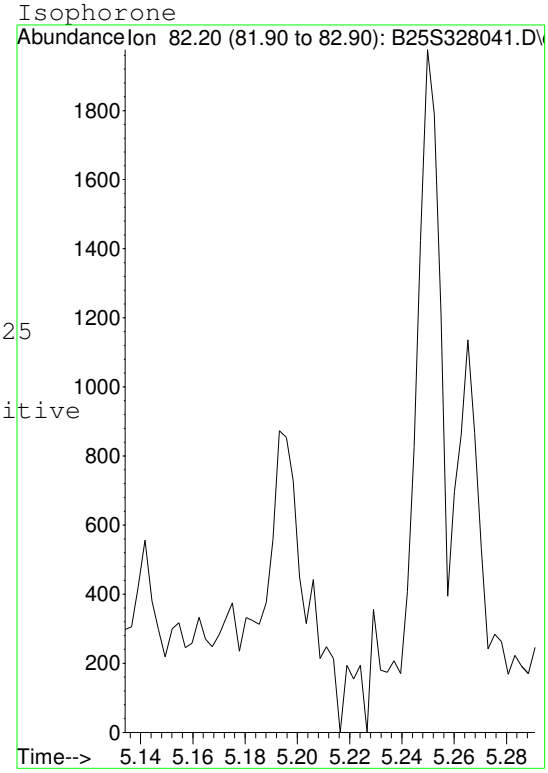
RT : 5.19
Area : 963
Amount: 0.238921

Manual Int. Results

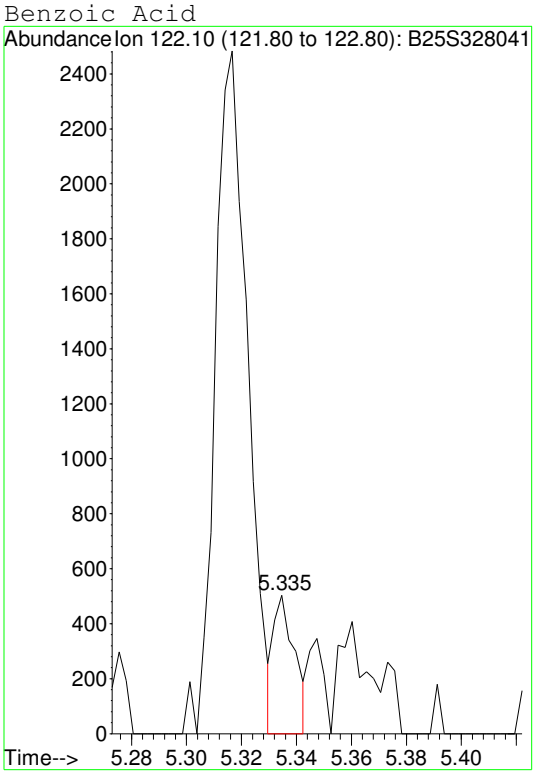
Tue Nov 25 11:03:48 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Isophorone



Original Integration
Benzoic Acid



Original Int. Results

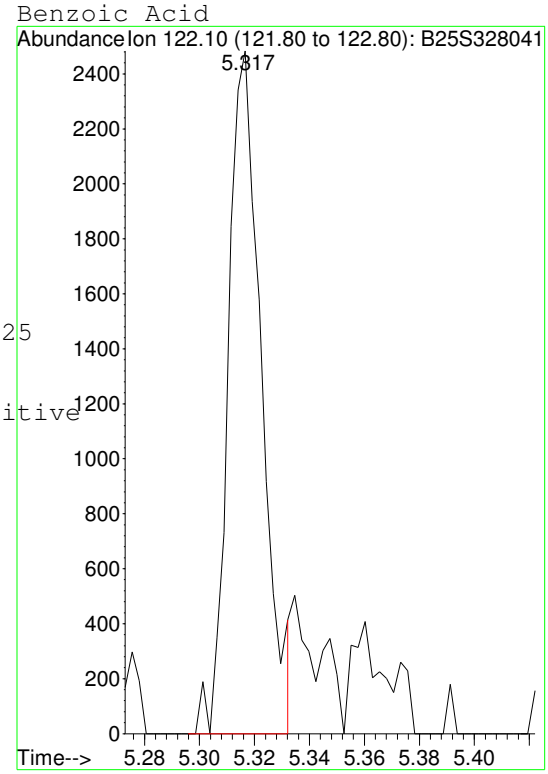
RT : 5.33
Area : 269
Amount: 0.227323

Manual Int. Results

Tue Nov 25 11:04:09 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 5.32
Area : 2091
Amount: 1.76704

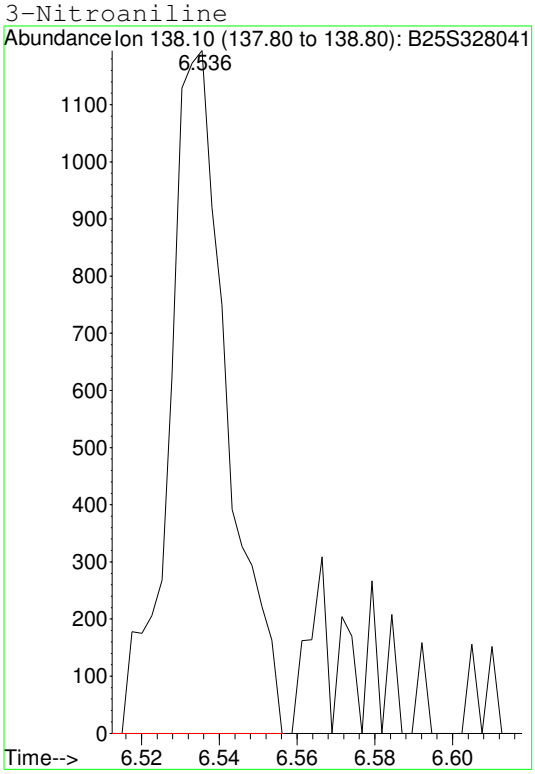
Manual Integration
Benzoic Acid



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328041.D
Acq On : 25 Nov 2025 1:26 am
Operator : BGL
Sample : 25K1213-12
Misc :

Quant Time : Tue Nov 25 11:06:10 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
3-Nitroaniline



Original Int. Results

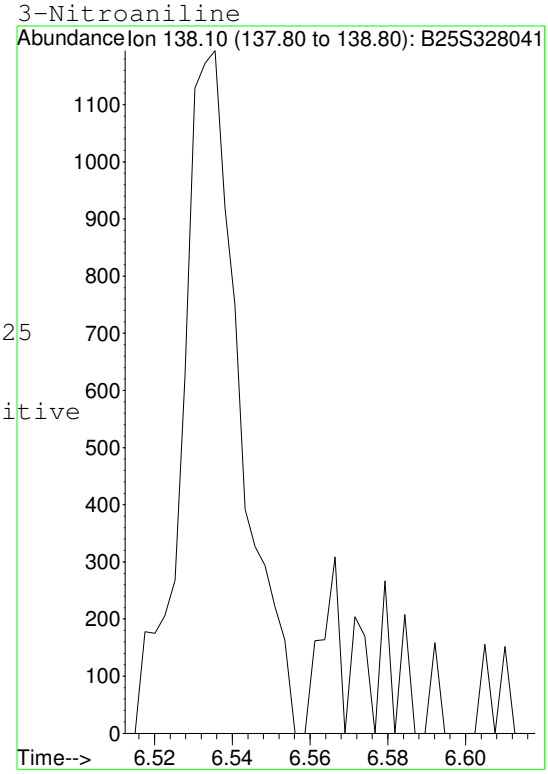
RT : 6.54
Area : 1237
Amount: 1.13782

Manual Int. Results

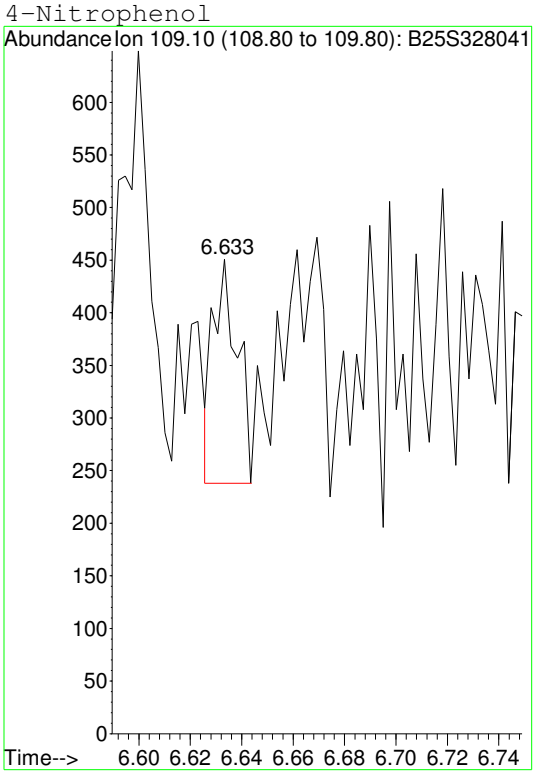
Tue Nov 25 11:03:47 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
3-Nitroaniline



Original Integration
4-Nitrophenol



Original Int. Results

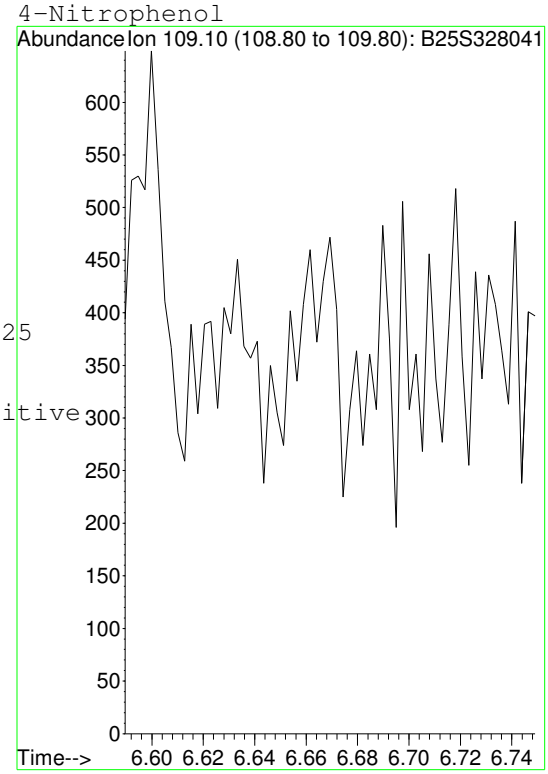
RT : 6.63
Area : 140
Amount: 0.297691

Manual Int. Results

Tue Nov 25 11:04:36 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

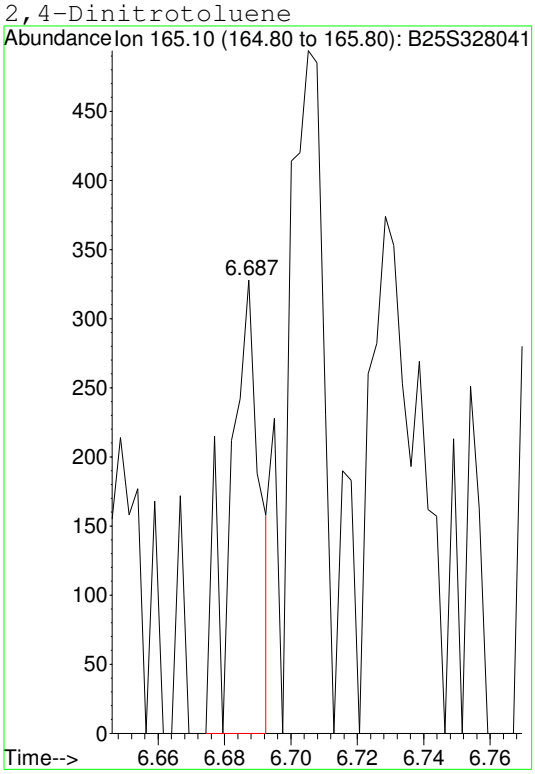
Manual Integration
4-Nitrophenol



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328041.D
Acq On : 25 Nov 2025 1:26 am
Operator : BGL
Sample : 25K1213-12
Misc :

Quant Time : Tue Nov 25 11:06:10 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
2,4-Dinitrotoluene



Original Int. Results

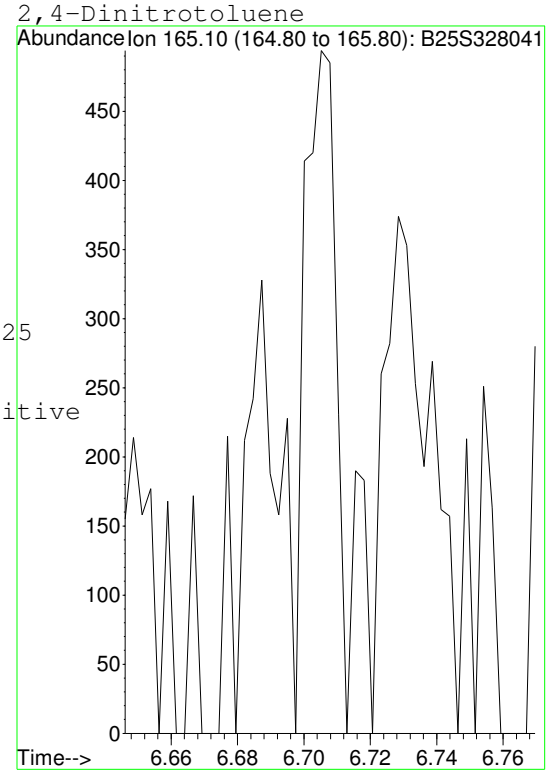
RT : 6.69
Area : 207
Amount: 0.174265

Manual Int. Results

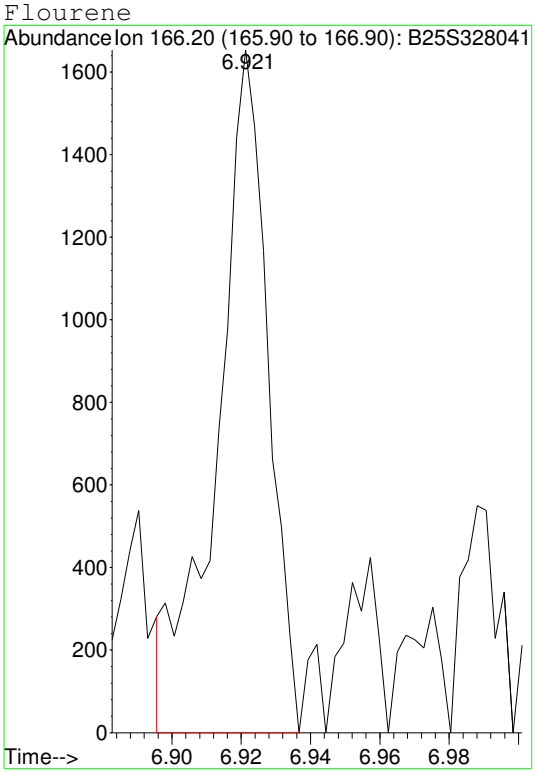
Tue Nov 25 11:04:36 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2,4-Dinitrotoluene



Original Integration
Flourene



Original Int. Results

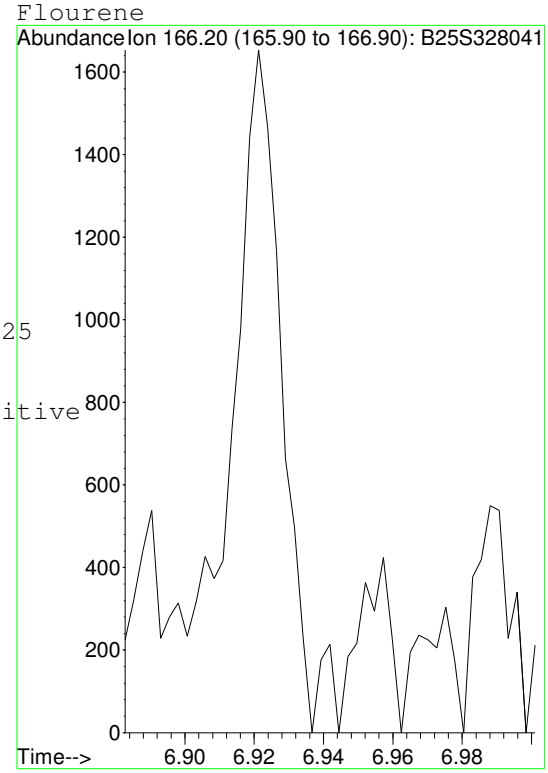
RT : 6.92
Area : 1686
Amount: 0.39355

Manual Int. Results

Tue Nov 25 11:04:52 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

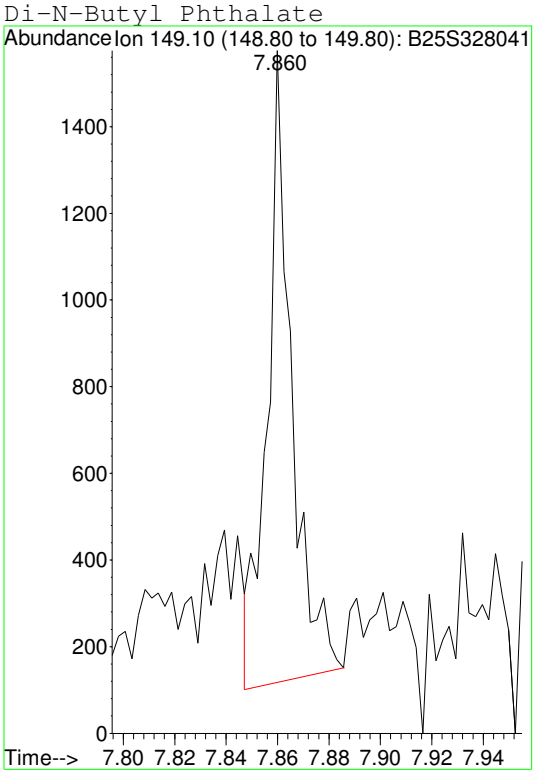
Manual Integration
Flourene



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328041.D
Acq On : 25 Nov 2025 1:26 am
Operator : BGL
Sample : 25K1213-12
Misc :

Quant Time : Tue Nov 25 11:06:10 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Di-N-Butyl Phthalate



Original Int. Results

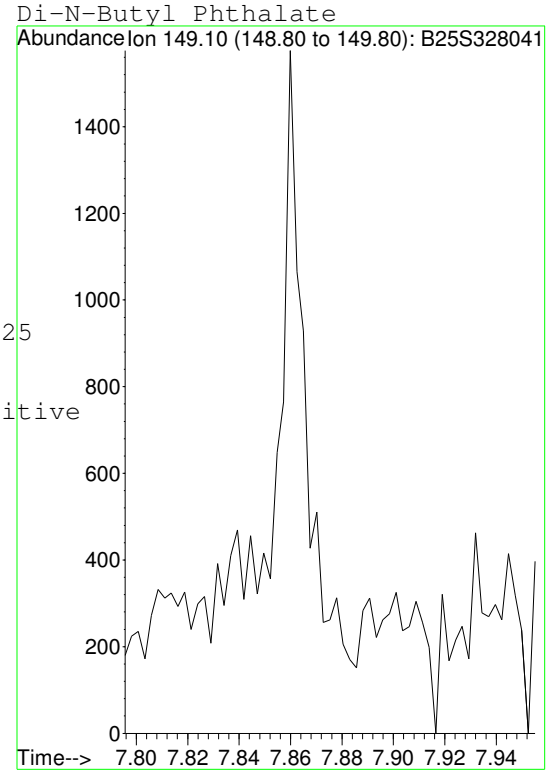
RT : 7.86
Area : 950
Amount: 0.164488

Manual Int. Results

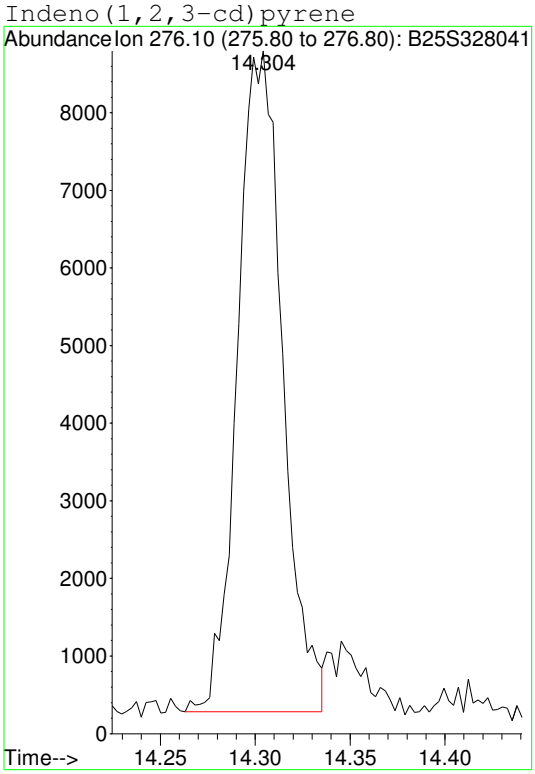
Tue Nov 25 11:05:05 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Di-N-Butyl Phthalate



Original Integration
Indeno(1,2,3-cd)pyrene



Original Int. Results

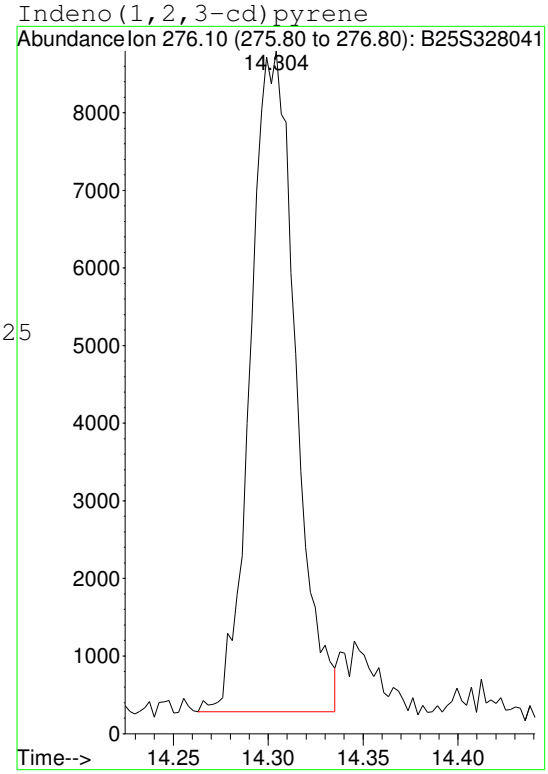
RT : 14.30
Area : 14012
Amount: 3.29598

Manual Int. Results

Tue Nov 25 11:06:10 2025

MIuser: BGL
Reason: Other
RT : 14.30
Area : 14012
Amount: 3.29598

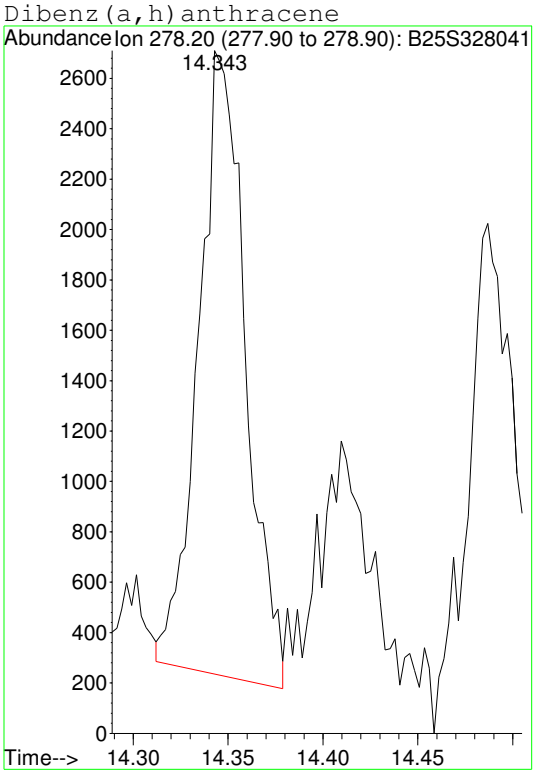
Manual Integration
Indeno(1,2,3-cd)pyrene



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328041.D
Acq On : 25 Nov 2025 1:26 am
Operator : BGL
Sample : 25K1213-12
Misc :

Quant Time : Tue Nov 25 11:06:10 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Dibenz(a,h)anthracene



Original Int. Results

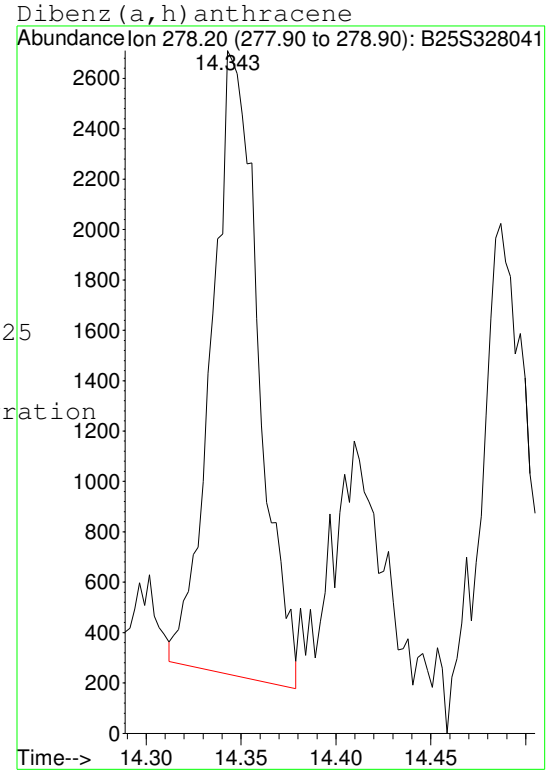
RT : 14.34
Area : 4278
Amount: 0.95737

Manual Int. Results

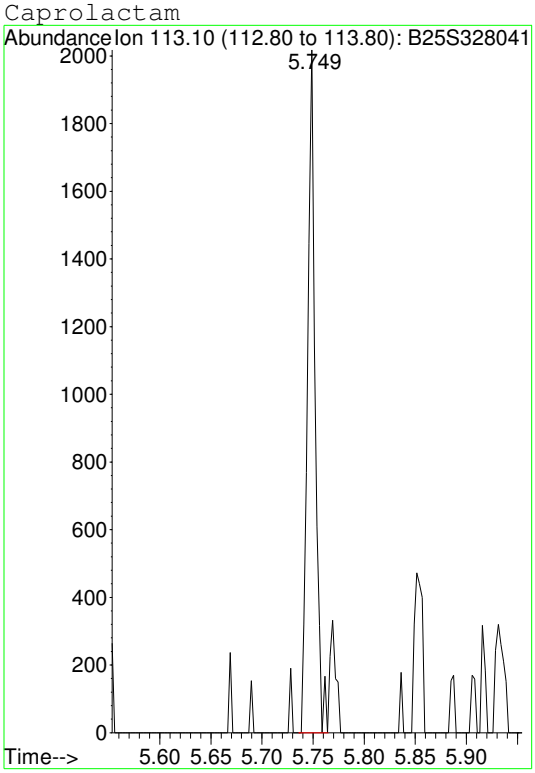
Tue Nov 25 11:06:02 2025

MIuser: BGL
Reason: Incorret Integration
RT : 14.34
Area : 4278
Amount: 0.95737

Manual Integration
Dibenz(a,h)anthracene



Original Integration
Caprolactam



Original Int. Results

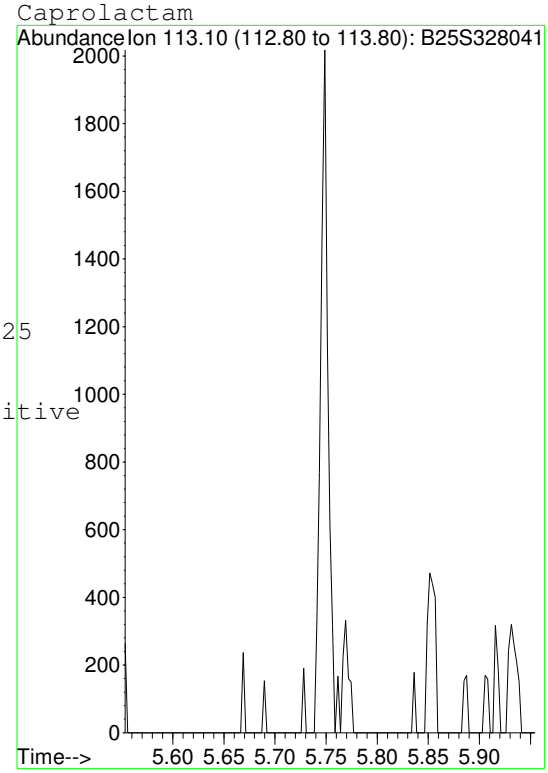
RT : 5.75
Area : 1049
Amount: 1.4282

Manual Int. Results

Tue Nov 25 11:05:43 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Caprolactam



1 - FORM I
ANALYSIS DATA SHEET

B-2 (0-2in)

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-13RE1	File ID:	B25S330013.D
Sampled:	11/17/25 12:35	Prepared:	11/25/25 08:43	Analyzed:	11/26/25 17:49
Solids:	83.74	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.46 g / 1 mL				
Batch:	B418195	Sequence:	S129079	Calibration:	2500833	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol		0.056	0.79	
1912-24-9	Atrazine		0.055	0.79	V-06
100-52-7	Benzaldehyde	0.083	0.055	0.40	V-05, V-34, J
92-52-4	Biphenyl		0.045	0.079	
105-60-2	Caprolactam		0.069	0.40	
83-32-9	Acenaphthene		0.0044	0.039	
208-96-8	Acenaphthylene	0.0074	0.0049	0.039	J
98-86-2	Acetophenone		0.042	0.40	
62-53-3	Aniline		0.075	0.40	09, R-06, V-05, V
120-12-7	Anthracene	0.0078	0.0045	0.039	J
56-55-3	Benzo(a)anthracene	0.049	0.0061	0.039	
50-32-8	Benzo(a)pyrene	0.051	0.013	0.039	
205-99-2	Benzo(b)fluoranthene	0.078	0.0096	0.039	
191-24-2	Benzo(g,h,i)perylene	0.043	0.015	0.039	
207-08-9	Benzo(k)fluoranthene	0.027	0.0080	0.039	J
111-91-1	Bis(2-chloroethoxy)methane		0.040	0.40	
111-44-4	Bis(2-chloroethyl)ether		0.053	0.40	
108-60-1	2,2'-oxybis(1-Chloropropane)		0.16	0.40	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.054	0.40	V-06
101-55-3	4-Bromophenylphenylether		0.035	0.40	
85-68-7	Butylbenzylphthalate		0.045	0.40	
86-74-8	Carbazole		0.041	0.20	
106-47-8	4-Chloroaniline		0.064	0.78	MS-09, R-06
59-50-7	4-Chloro-3-methylphenol		0.042	0.78	
91-58-7	2-Chloronaphthalene		0.035	0.40	
95-57-8	2-Chlorophenol		0.035	0.40	
7005-72-3	4-Chlorophenylphenylether		0.037	0.40	
218-01-9	Chrysene	0.056	0.0051	0.039	
53-70-3	Dibenz(a,h)anthracene		0.018	0.039	

1 - FORM I
ANALYSIS DATA SHEET

B-2 (0-2in)

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-13RE1	File ID:	B25S330013.D
Sampled:	11/17/25 12:35	Prepared:	11/25/25 08:43	Analyzed:	11/26/25 17:49
Solids:	83.74	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.46 g / 1 mL				
Batch:	B418195	Sequence:	S129079	Calibration:	2500833	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
132-64-9	Dibenzofuran		0.039	0.40	
84-74-2	Di-n-butylphthalate		0.15	0.40	
91-94-1	3,3-Dichlorobenzidine		0.071	0.20	MS-09
120-83-2	2,4-Dichlorophenol		0.037	0.40	
84-66-2	Diethylphthalate		0.039	0.40	
105-67-9	2,4-Dimethylphenol		0.082	0.40	
131-11-3	Dimethylphthalate		0.036	0.40	
534-52-1	4,6-Dinitro-2-methylphenol		0.33	0.40	
51-28-5	2,4-Dinitrophenol		0.37	0.78	V-04, V-06
121-14-2	2,4-Dinitrotoluene		0.095	0.40	
606-20-2	2,6-Dinitrotoluene		0.050	0.40	
117-84-0	Di-n-octylphthalate		0.059	0.40	V-06
206-44-0	Fluoranthene	0.094	0.0055	0.039	
86-73-7	Fluorene		0.0047	0.039	
118-74-1	Hexachlorobenzene		0.040	0.40	
87-68-3	Hexachlorobutadiene		0.041	0.40	
77-47-4	Hexachlorocyclopentadiene		0.20	0.40	MS-09
67-72-1	Hexachloroethane		0.036	0.40	R-06
193-39-5	Indeno(1,2,3-cd)pyrene	0.045	0.016	0.039	
78-59-1	Isophorone		0.043	0.40	
90-12-0	1-Methylnaphthalene	0.0055	0.0049	0.039	J
91-57-6	2-Methylnaphthalene	0.0071	0.0045	0.039	J
95-48-7	2-Methylphenol		0.050	0.40	
108-39-4/106-4	3/4-Methylphenol		0.065	0.40	
91-20-3	Naphthalene	0.0098	0.0056	0.039	J
88-74-4	2-Nitroaniline		0.061	0.40	
99-09-2	3-Nitroaniline		0.052	0.40	
100-01-6	4-Nitroaniline		0.056	0.40	R-06
98-95-3	Nitrobenzene		0.045	0.40	

1 - FORM I
ANALYSIS DATA SHEET

B-2 (0-2in)

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-13RE1	File ID:	B25S330013.D
Sampled:	11/17/25 12:35	Prepared:	11/25/25 08:43	Analyzed:	11/26/25 17:49
Solids:	83.74	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.46 g / 1 mL				
Batch:	B418195	Sequence:	S129079	Calibration:	2500833
				Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
88-75-5	2-Nitrophenol		0.041	0.40	
100-02-7	4-Nitrophenol		0.16	0.78	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.052	0.40	
621-64-7	N-Nitrosodi-n-propylamine		0.049	0.40	
87-86-5	Pentachlorophenol		0.051	0.40	
85-01-8	Phenanthrene	0.036	0.0040	0.039	J
108-95-2	Phenol		0.038	0.40	
129-00-0	Pyrene	0.070	0.0067	0.039	
110-86-1	Pyridine		0.051	0.40	MS-09
95-94-3	1,2,4,5-Tetrachlorobenzene		0.038	0.40	
95-95-4	2,4,5-Trichlorophenol		0.040	0.40	
88-06-2	2,4,6-Trichlorophenol		0.035	0.40	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330013.D
Acq On : 26 Nov 2025 5:49 pm
Operator : BGL
Sample : 25K1213-13RE1@/DER Inst : GCMSSV2
Misc :
ALS Vial : 13 Sample Multiplier: 1

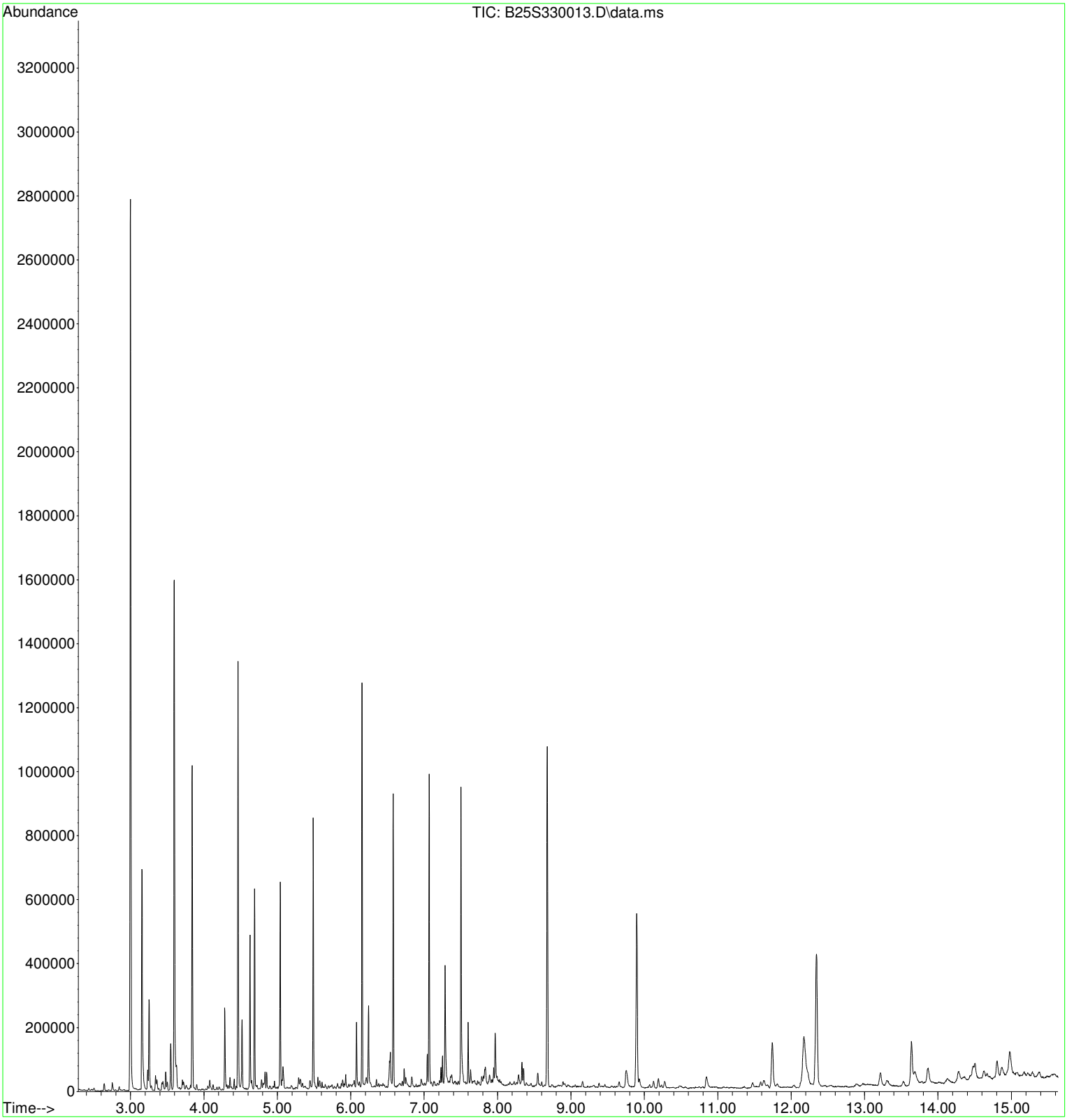
Quant Time: Nov 26 18:05:00 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

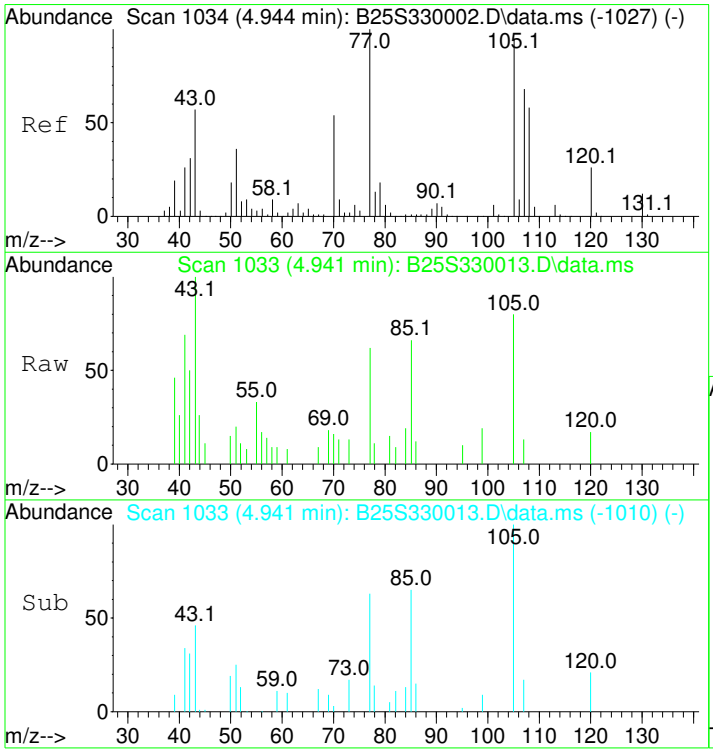
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.689	152	63223	40.00	ug/ml	-0.01
19) NAPHTHALENE-d8	5.489	136	242558	40.00	ug/ml	-0.01
35) ACENAPHTHENE-D10	6.579	164	125279	40.00	ug/ml	-0.01
58) PHENANTHRENE-D10	7.503	188	207551	40.00	ug/ml	-0.01
71) CHRYSENE-D12	9.897	240	207433	40.00	ug/ml	-0.02
80) PERYLENE-D12	12.342	264	233187	40.00	ug/ml	-0.02
88) 1,4-Dichlorobenzene-D4...	4.689	152	63223	40.00	ug/ml	-0.01
92) NAPHTHALENE-d8 (2)	5.489	136	242558	40.00	ug/ml	0.00
95) ACENAPHTHENE-D10 (2)	6.579	164	125279	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	3.841	112	202060	114.39	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 57.19%			
3) Phenol-d6	4.466	99	336645	115.59	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 57.79%			
20) Nitrobenzene-d5	5.039	82	143604	59.49	ug/ml	-0.02
Spiked Amount 100.000	Range 30 - 130		Recovery = 59.49%			
36) 2-Fluorobiphenyl	6.155	172	250120	60.48	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 60.48%			
37) 2,4,6-Tribromophenol	7.068	330	64003	115.03	ug/ml	-0.01
Spiked Amount 200.000	Range 30 - 130		Recovery = 57.52%			
72) p-Terphenyl-d14	8.678	244	276120	64.28	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 64.28%			
Target Compounds						Qvalue
15) Acetophenone	4.941	105	1060	0.33	ug/ml#	80
26) Benzoic Acid	5.309	122	2980	2.49	ug/ml	81
29) Naphthalene	5.499	128	1696	0.25	ug/ml	94
33) 2-MethylNaphthalene	5.929	142	822	0.18	ug/ml	90
34) 1-Methylnaphthalene	5.993	142	584	0.14	ug/ml#	67
47) Acenaphthylene	6.492	152	1145	0.19	ug/ml	95
66) Phenanthrene	7.515	178	5966	0.92	ug/ml	94
67) Anthracene	7.549	178	1278	0.20	ug/ml	94
68) Carbazole	7.649	167	1195	0.20	ug/ml	87
70) Flouranthene	8.354	202	15378	2.40	ug/ml	98
74) Pyrene	8.547	202	13541	1.78	ug/ml	95
77) Benzo(a)anthracene	9.884	228	8740	1.25	ug/ml	90
78) Chrysene	9.930	228	9920	1.43	ug/ml	89
79) Bis(2-ethylhexyl)phtha...	9.948	149	1791	0.56	ug/ml#	92
82) Benzo(b)fluoranthene	11.625	252	14208	1.99	ug/ml	99
83) Benzo(k)fluoranthene	11.676	252	4900	0.69	ug/ml	76
84) Benzo(a)pyrene	12.232	252	8530	1.29	ug/ml	91
85) Indeno(1,2,3-cd)pyrene	14.297	276	6866	1.16	ug/ml	87
86) Dibenz(a,h)anthracene	14.343	278	1726	0.28	ug/ml	84
87) Benzo(g,h,i)perylene	14.672	276	7221	1.10	ug/ml	87
90) Benzaldehyde	4.412	106	4460	2.12	ug/ml	91
91) Benzyl Alcohol	4.779	108	499	0.33	ug/ml#	12

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

Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330013.D
Acq On : 26 Nov 2025 5:49 pm
Operator : BGL
Sample : 25K1213-13RE1@/DER Inst : GCMSSV2
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 26 18:05:00 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

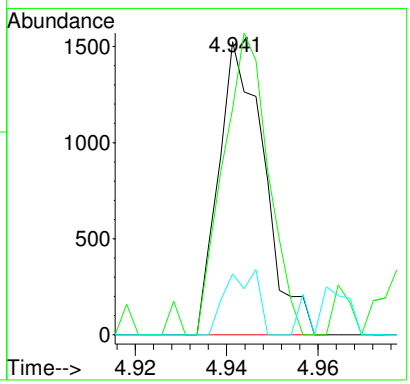


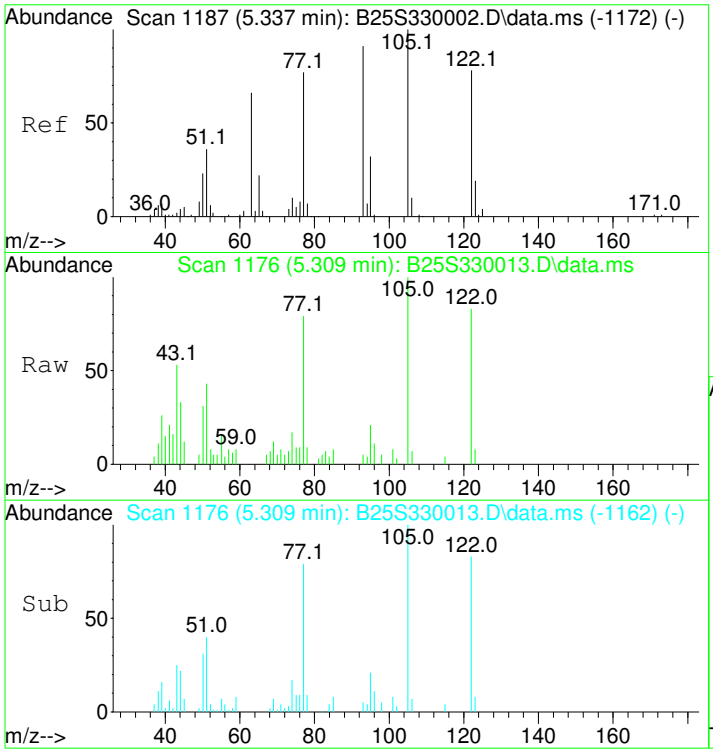


#15
Acetophenone
Concen: 0.33 ug/ml
RT: 4.941 min Scan# 1033
Delta R.T. -0.015 min
Lab File: B25S330013.D
Acq: 26 Nov 2025 5:49 pm

Tgt Ion:105 Resp: 1060

Ion	Ratio	Lower	Upper
105	100		
77	104.1	105.8	145.8#
120	15.7	7.8	47.8

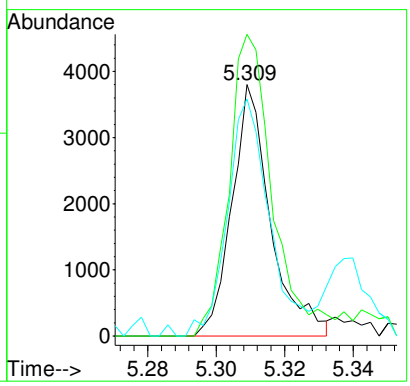


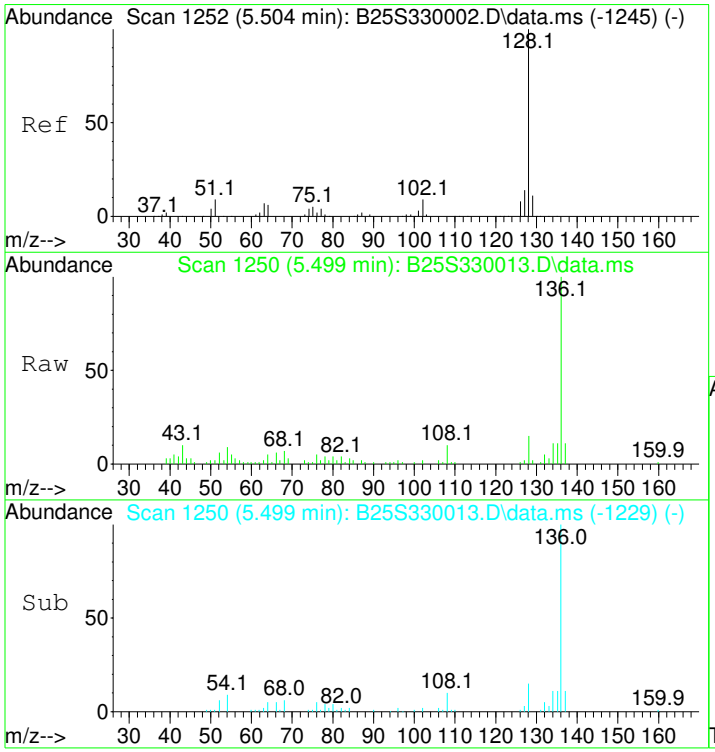


#26
Benzoic Acid
Concen: 2.49 ug/ml
RT: 5.309 min Scan# 1176
Delta R.T. -0.031 min
Lab File: B25S330013.D
Acq: 26 Nov 2025 5:49 pm

Tgt Ion:122 Resp: 2980

Ion	Ratio	Lower	Upper
122	100		
105	135.2	95.4	135.4
77	101.9	64.2	104.2

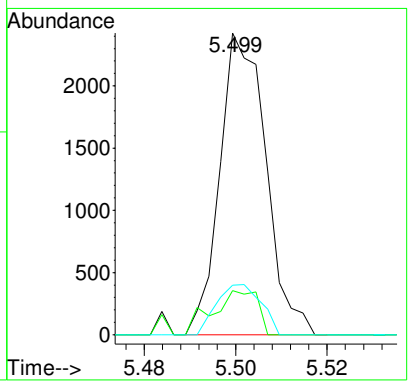


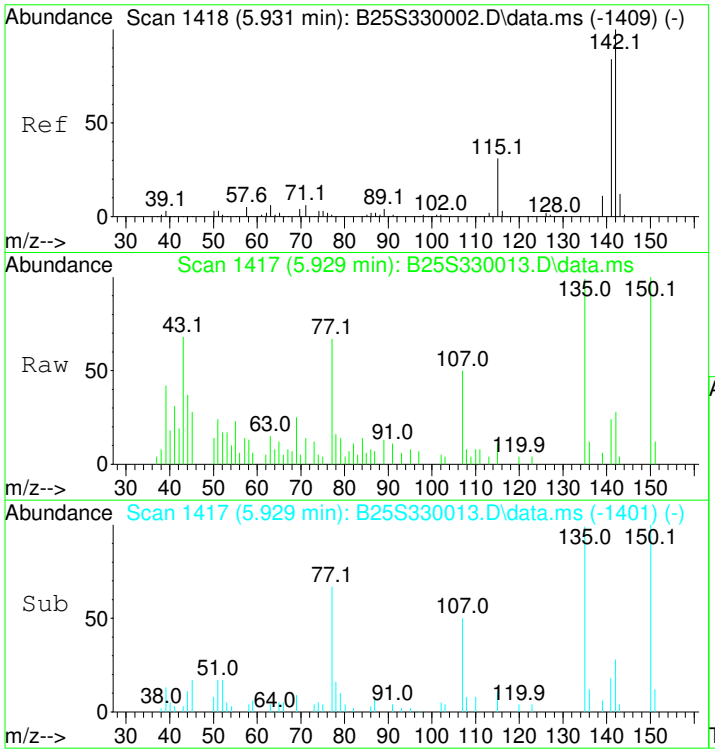


#29
Naphthalene
Concen: 0.25 ug/ml
RT: 5.499 min Scan# 1250
Delta R.T. -0.018 min
Lab File: B25S330013.D
Acq: 26 Nov 2025 5:49 pm

Tgt Ion:128 Resp: 1696

Ion	Ratio	Lower	Upper
128	100		
129	14.4	0.0	31.1
127	16.1	0.0	34.2

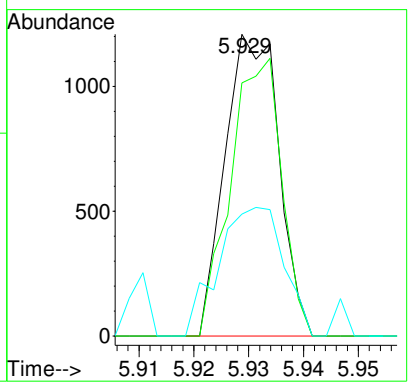


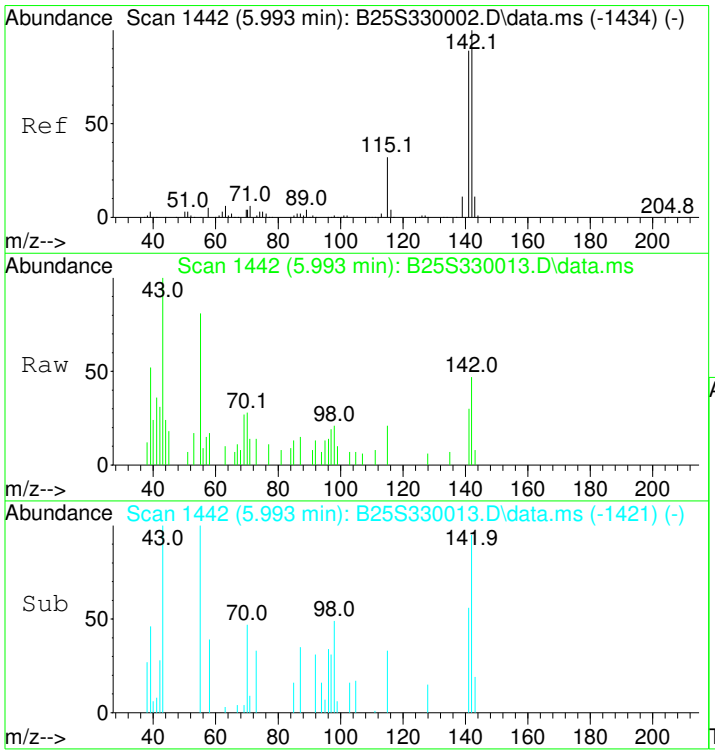


#33
2-MethylNaphthalene
Concen: 0.18 ug/ml
RT: 5.929 min Scan# 1417
Delta R.T. -0.015 min
Lab File: B25S330013.D
Acq: 26 Nov 2025 5:49 pm

Tgt Ion:142 Resp: 822

Ion	Ratio	Lower	Upper
142	100		
141	87.6	66.6	106.6
115	52.2	12.6	52.6

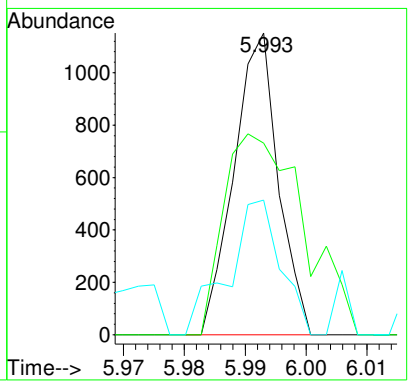


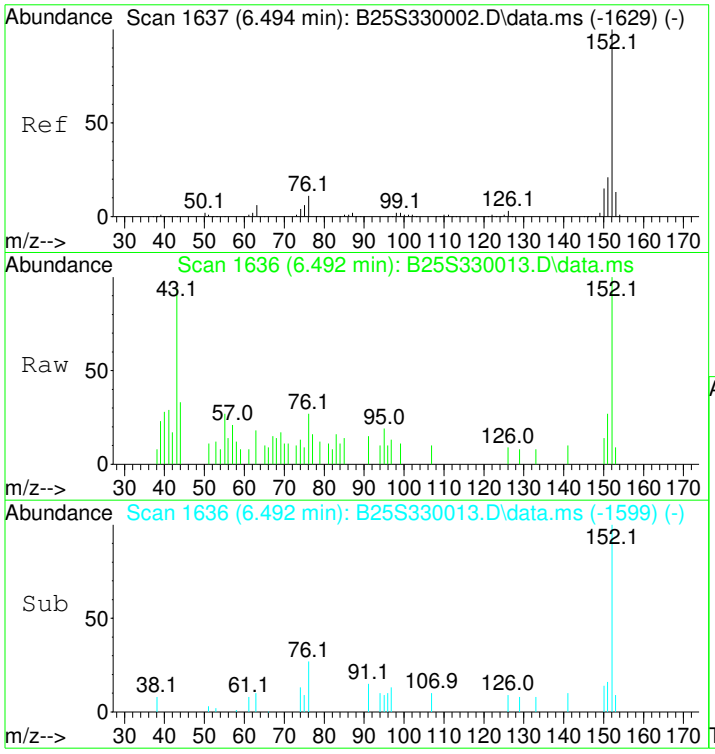


#34
1-Methylnaphthalene
Concen: 0.14 ug/ml
RT: 5.993 min Scan# 1442
Delta R.T. -0.013 min
Lab File: B25S330013.D
Acq: 26 Nov 2025 5:49 pm

Tgt Ion:142 Resp: 584

Ion	Ratio	Lower	Upper
142	100		
141	120.2	69.0	109.0#
115	53.1	14.1	54.1

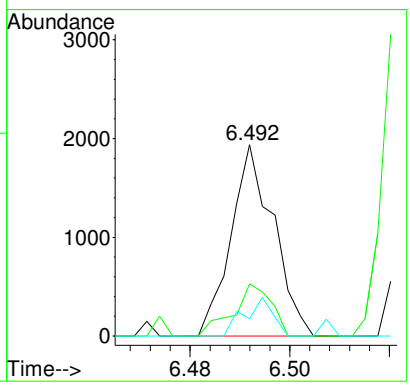


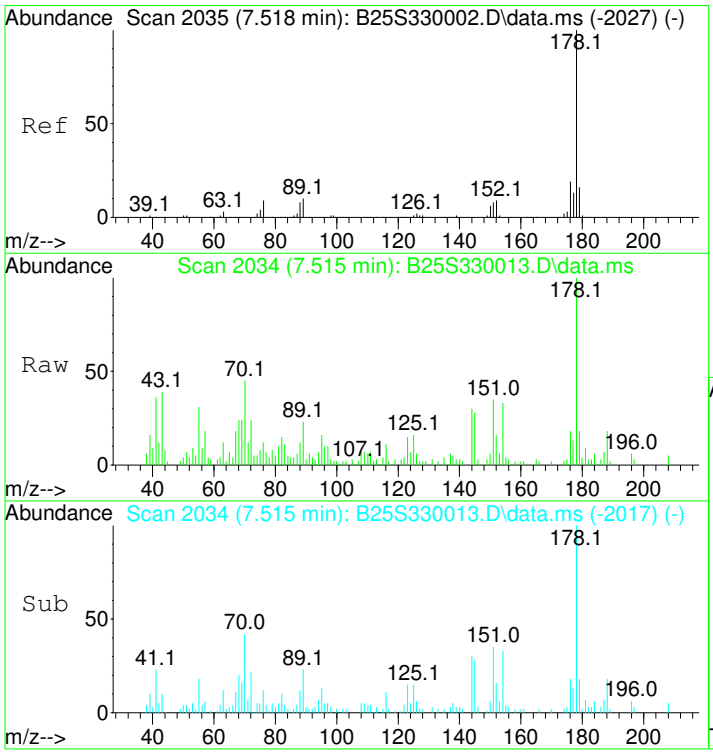


#47
Acenaphthylene
Concen: 0.19 ug/ml
RT: 6.492 min Scan# 1636
Delta R.T. -0.013 min
Lab File: B25S330013.D
Acq: 26 Nov 2025 5:49 pm

Tgt Ion:152 Resp: 1145

Ion	Ratio	Lower	Upper
152	100		
151	24.7	1.0	41.0
153	13.6	0.0	33.1

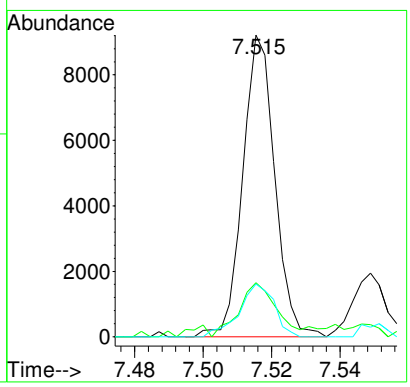


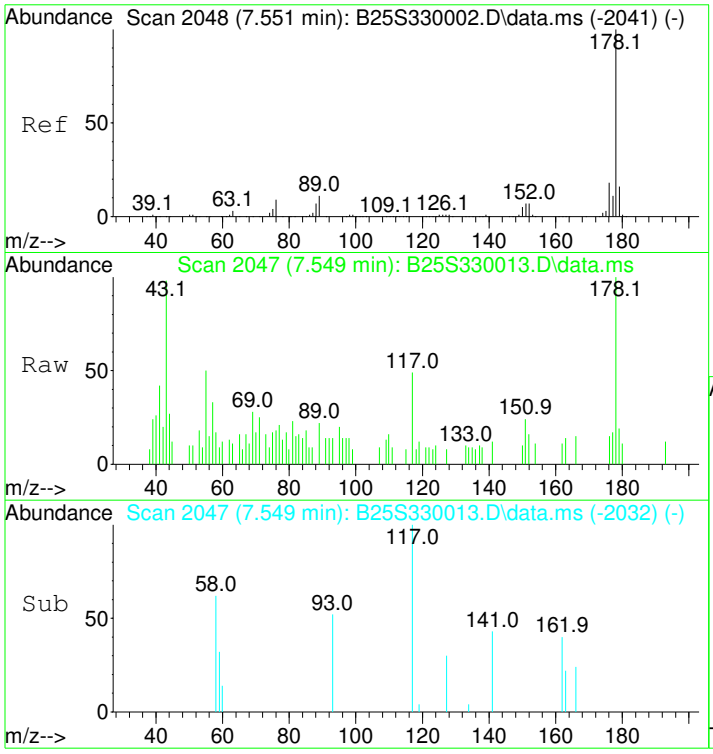


#66
Phenanthrene
Concen: 0.92 ug/ml
RT: 7.515 min Scan# 2034
Delta R.T. -0.013 min
Lab File: B25S330013.D
Acq: 26 Nov 2025 5:49 pm

Tgt Ion:178 Resp: 5966

Ion	Ratio	Lower	Upper
178	100		
179	20.8	0.0	35.5
176	19.2	0.0	39.0

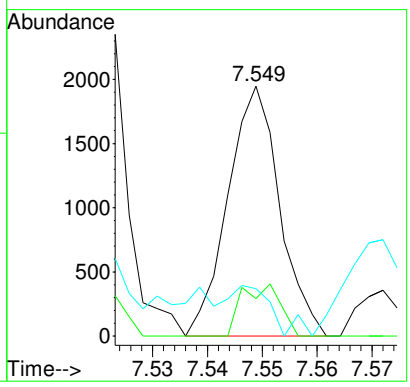


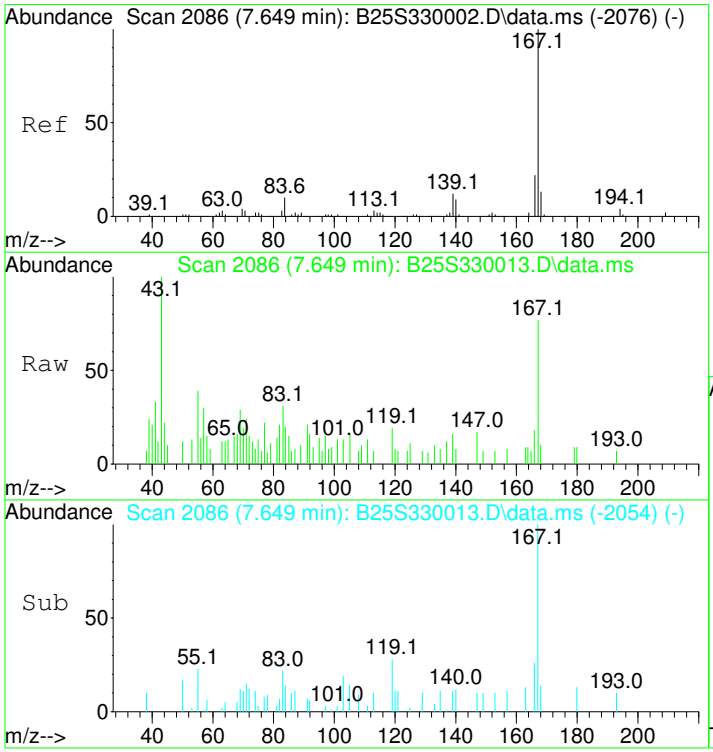


#67
Anthracene
Concen: 0.20 ug/ml
RT: 7.549 min Scan# 2047
Delta R.T. -0.013 min
Lab File: B25S330013.D
Acq: 26 Nov 2025 5:49 pm

Tgt Ion:178 Resp: 1278

Ion	Ratio	Lower	Upper
178	100		
176	15.4	0.0	38.3
179	18.0	0.0	35.5

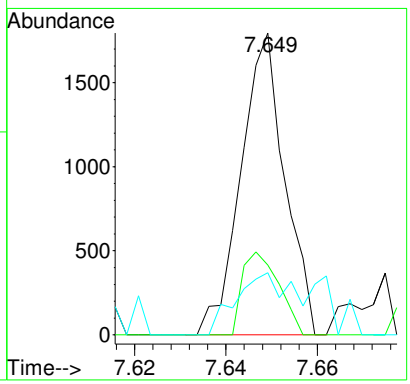


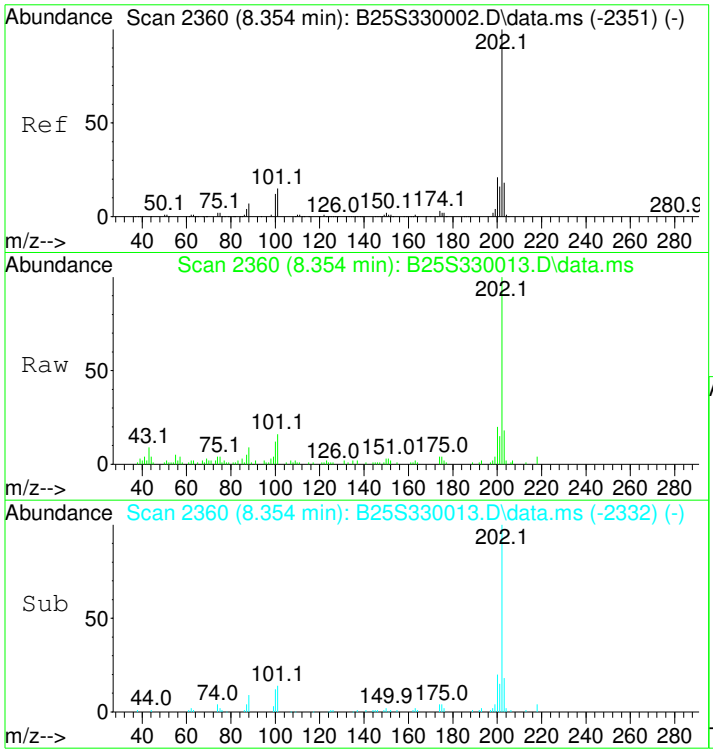


#68
Carbazole
Concen: 0.20 ug/ml
RT: 7.649 min Scan# 2086
Delta R.T. -0.008 min
Lab File: B25S330013.D
Acq: 26 Nov 2025 5:49 pm

Tgt Ion:167 Resp: 1195

Ion	Ratio	Lower	Upper
167	100		
166	22.9	1.9	41.9
139	26.2	0.0	33.5

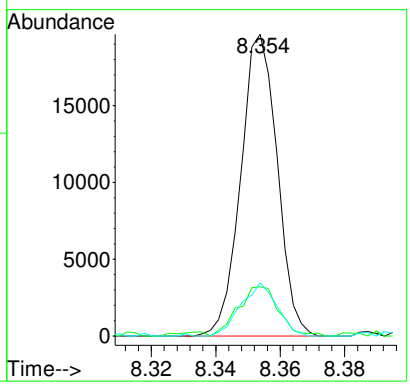


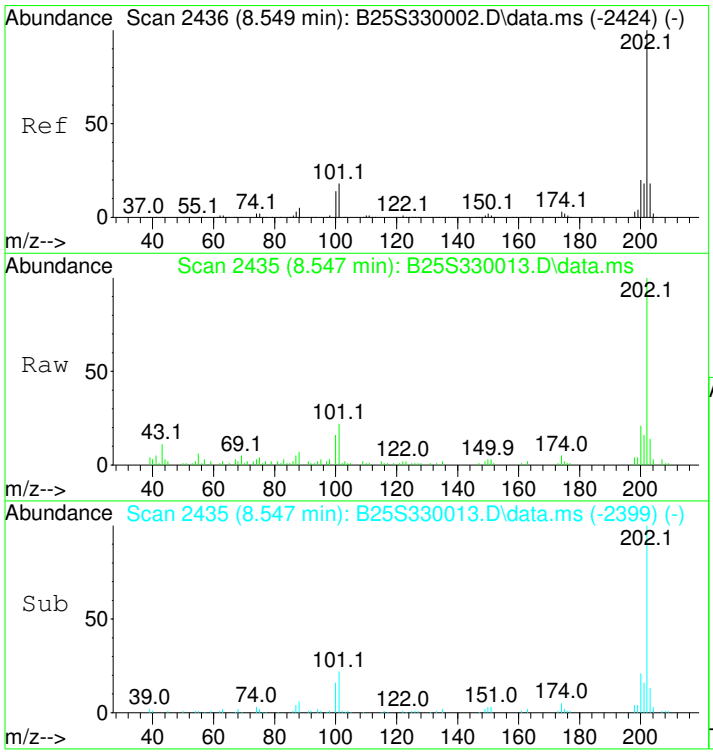


#70
Flouranthene
Concen: 2.40 ug/ml
RT: 8.354 min Scan# 2360
Delta R.T. -0.013 min
Lab File: B25S330013.D
Acq: 26 Nov 2025 5:49 pm

Tgt Ion:202 Resp: 15378

Ion	Ratio	Lower	Upper
202	100		
101	18.3	0.0	36.2
203	17.4	0.0	37.5

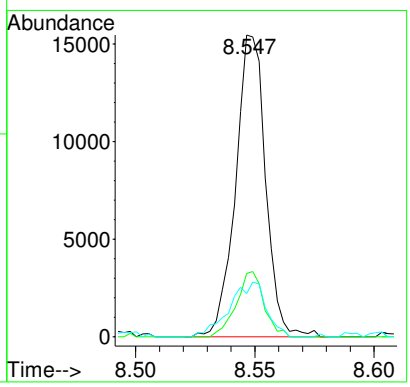


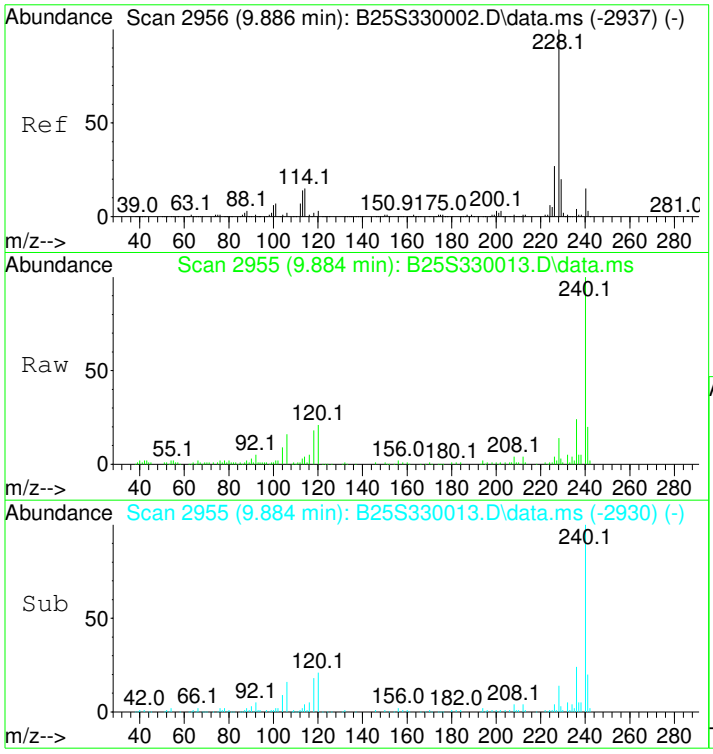


#74
Pyrene
Concen: 1.78 ug/ml
RT: 8.547 min Scan# 2435
Delta R.T. -0.015 min
Lab File: B25S330013.D
Acq: 26 Nov 2025 5:49 pm

Tgt Ion:202 Resp: 13541

Ion	Ratio	Lower	Upper
202	100		
200	19.8	0.1	40.1
203	22.3	0.0	38.1

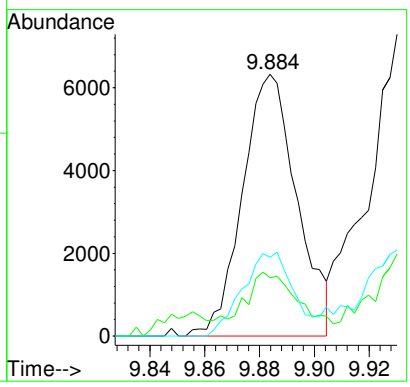


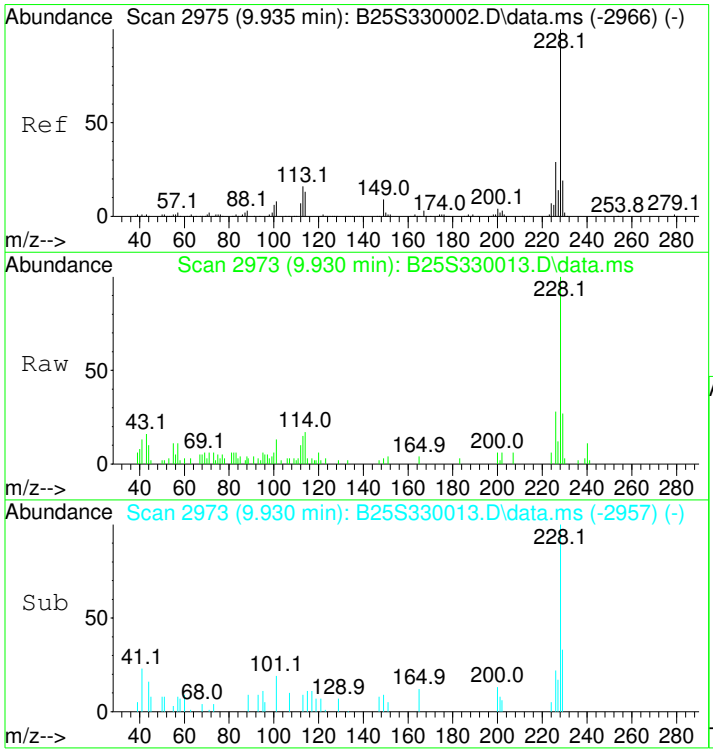


#77
Benzo(a)anthracene
Concen: 1.25 ug/ml
RT: 9.884 min Scan# 2955
Delta R.T. -0.018 min
Lab File: B25S330013.D
Acq: 26 Nov 2025 5:49 pm

Tgt Ion:228 Resp: 8740

Ion	Ratio	Lower	Upper
228	100		
229	23.4	0.0	38.9
226	30.3	4.9	44.9

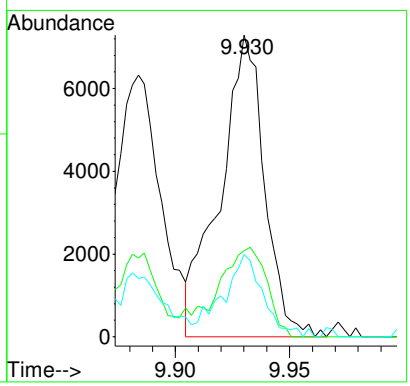


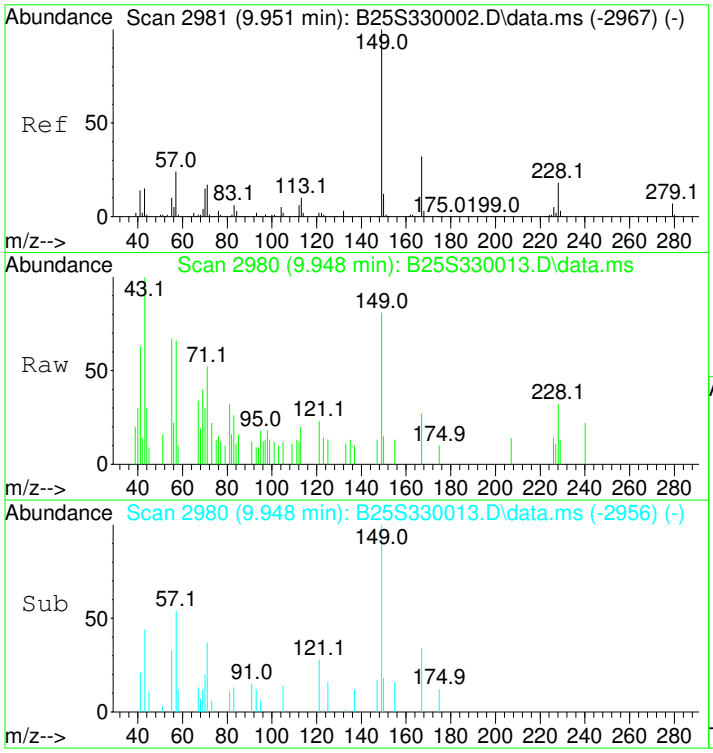


#78
Chrysene
Concen: 1.43 ug/ml
RT: 9.930 min Scan# 2973
Delta R.T. -0.023 min
Lab File: B25S330013.D
Acq: 26 Nov 2025 5:49 pm

Tgt Ion:228 Resp: 9920

Ion	Ratio	Lower	Upper
228	100		
226	33.4	8.1	48.1
229	24.9	0.0	38.9

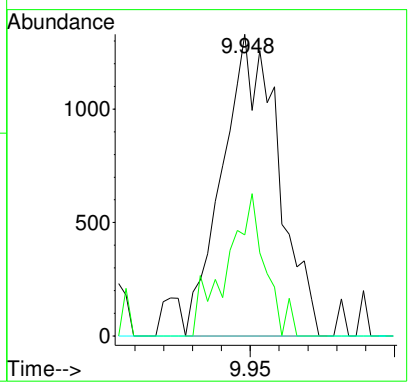


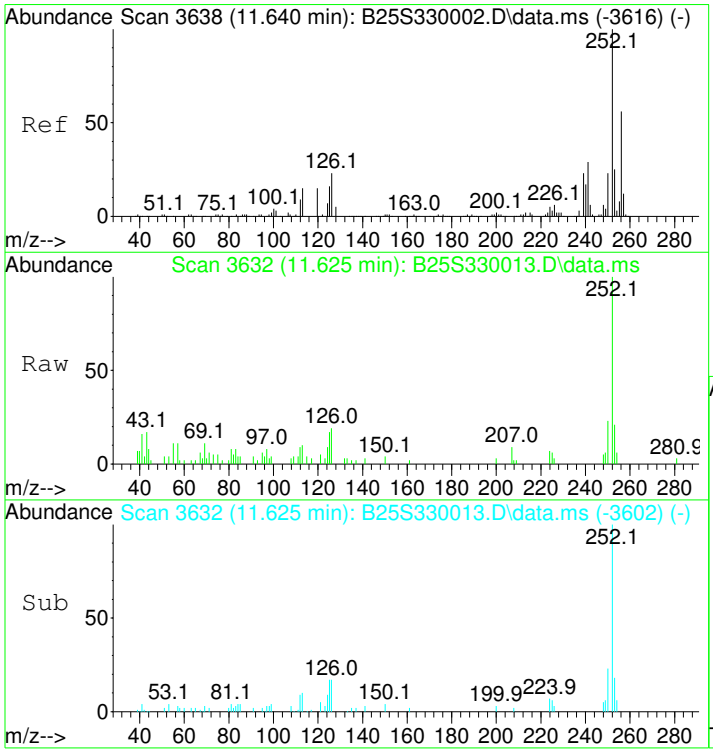


#79
Bis(2-ethylhexyl)phthalate
Concen: 0.56 ug/ml
RT: 9.948 min Scan# 2980
Delta R.T. -0.028 min
Lab File: B25S330013.D
Acq: 26 Nov 2025 5:49 pm

Tgt Ion:149 Resp: 1791

Ion	Ratio	Lower	Upper
149	100		
167	32.6	10.2	50.2
279	0.0	0.0	27.3

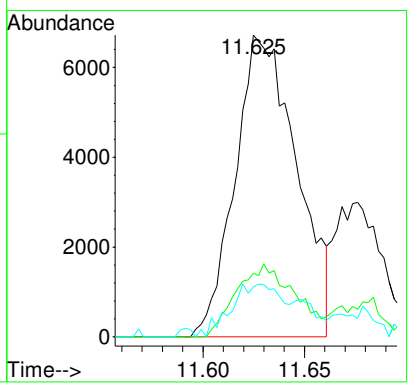


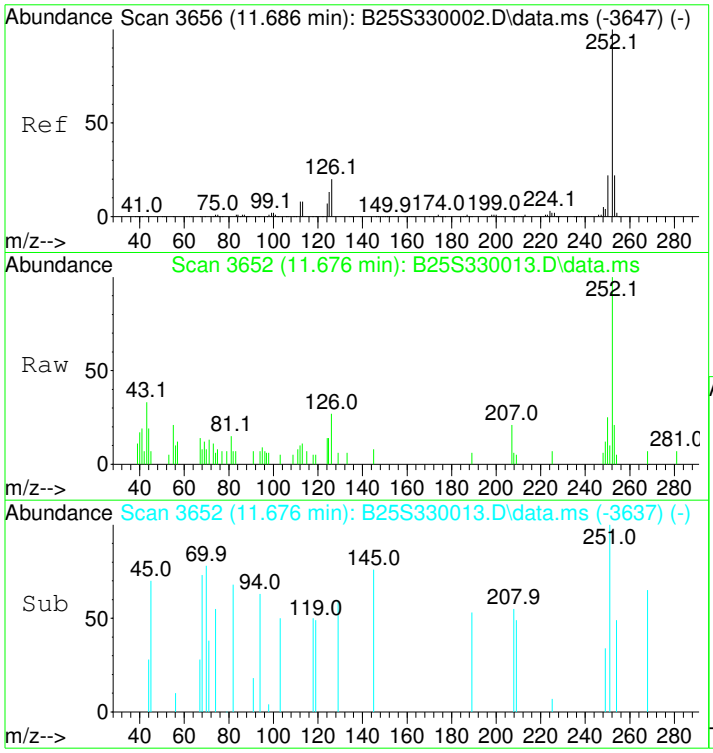


#82
Benzo(b)fluoranthene
Concen: 1.99 ug/ml
RT: 11.625 min Scan# 3632
Delta R.T. -0.028 min
Lab File: B25S330013.D
Acq: 26 Nov 2025 5:49 pm

Tgt Ion:252 Resp: 14208

Ion	Ratio	Lower	Upper
252	100		
253	22.7	2.2	42.2
125	14.5	0.0	34.5

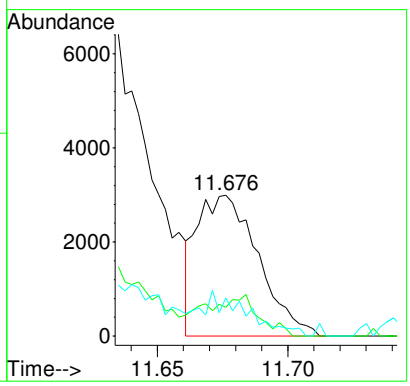


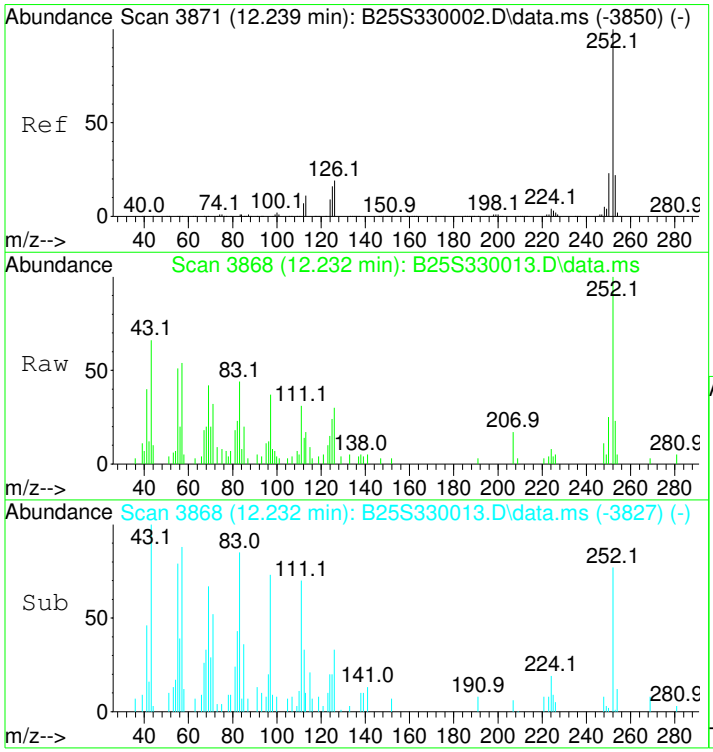


#83
Benzo(k)fluoranthene
Concen: 0.69 ug/ml
RT: 11.676 min Scan# 3652
Delta R.T. -0.028 min
Lab File: B25S330013.D
Acq: 26 Nov 2025 5:49 pm

Tgt Ion:252 Resp: 4900

Ion	Ratio	Lower	Upper
252	100		
253	17.3	0.7	40.7
126	0.8	0.0	39.4

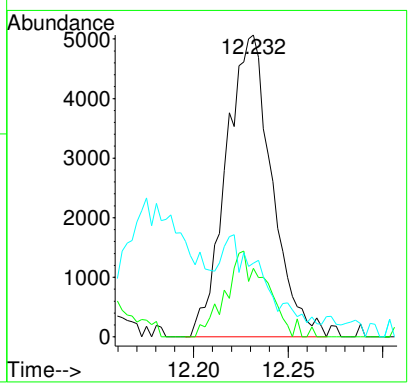


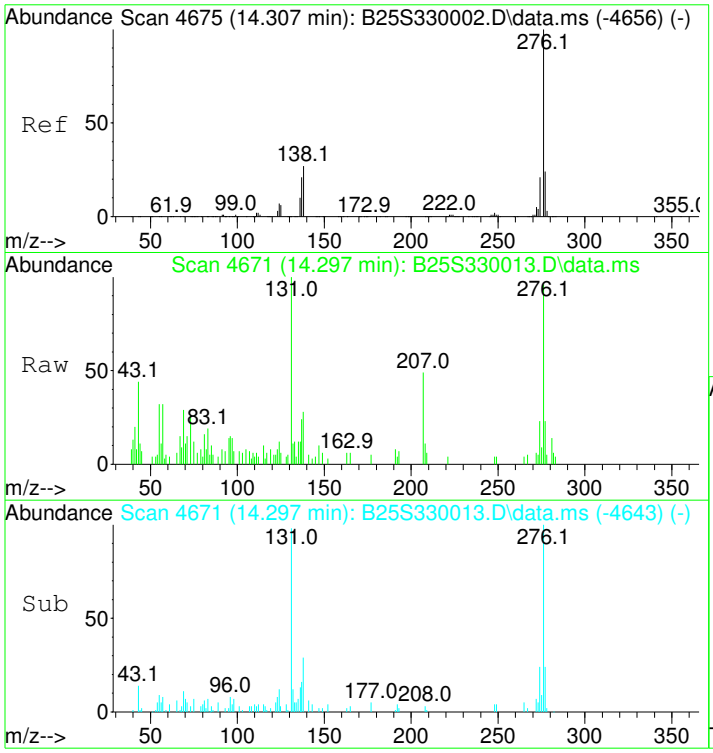


#84
Benzo(a)pyrene
Concen: 1.29 ug/ml
RT: 12.232 min Scan# 3868
Delta R.T. -0.020 min
Lab File: B25S330013.D
Acq: 26 Nov 2025 5:49 pm

Tgt Ion:252 Resp: 8530

Ion	Ratio	Lower	Upper
252	100		
253	24.9	0.4	40.4
125	17.6	0.0	34.0

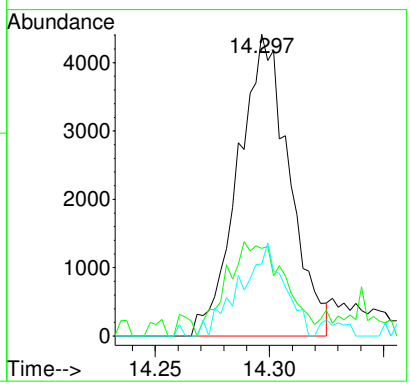


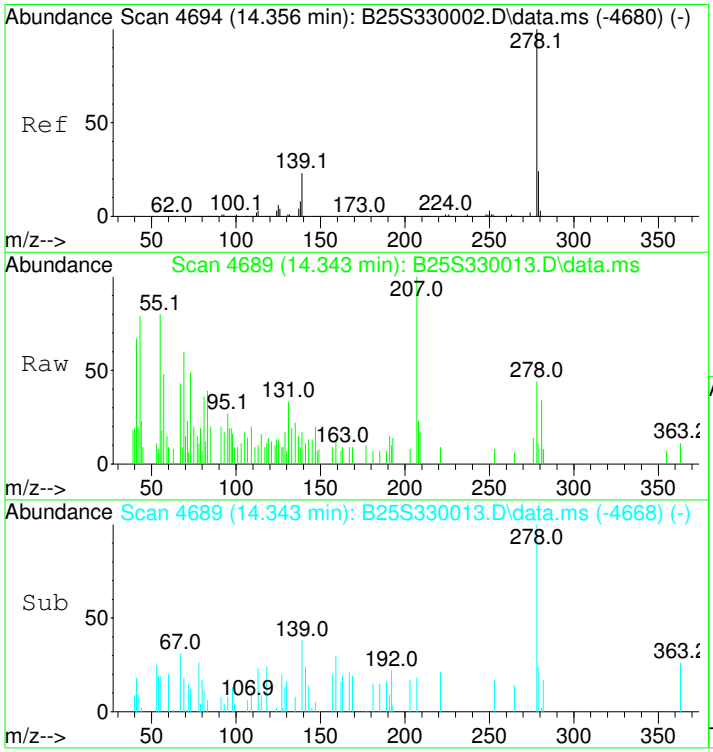


#85
Indeno(1,2,3-cd)pyrene
Concen: 1.16 ug/ml
RT: 14.297 min Scan# 4671
Delta R.T. -0.018 min
Lab File: B25S330013.D
Acq: 26 Nov 2025 5:49 pm

Tgt Ion:276 Resp: 6866

Ion	Ratio	Lower	Upper
276	100		
138	35.4	5.0	45.0
277	26.4	4.1	44.1

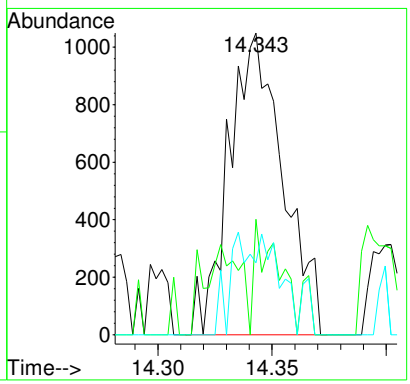


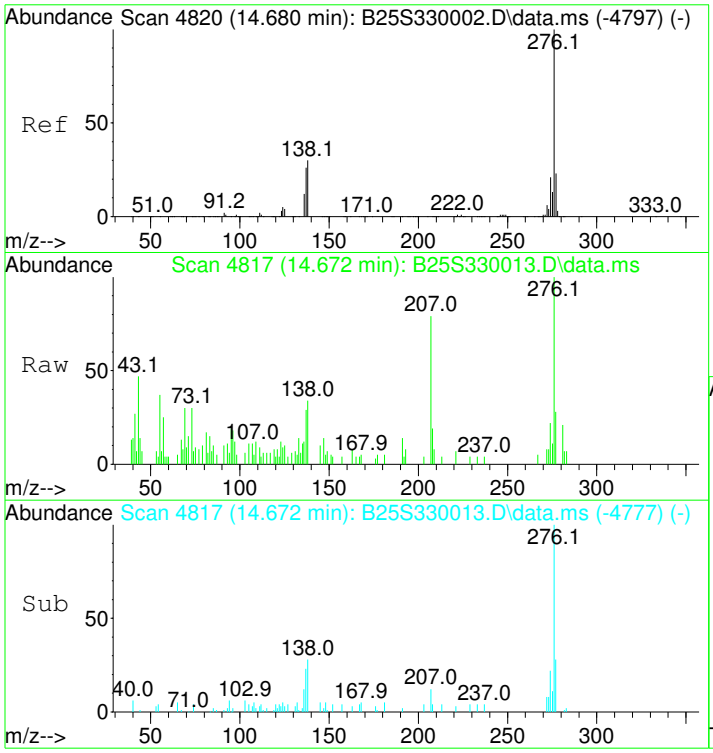


#86
Dibenz(a,h)anthracene
Concen: 0.28 ug/ml
RT: 14.343 min Scan# 4689
Delta R.T. -0.018 min
Lab File: B25S330013.D
Acq: 26 Nov 2025 5:49 pm

Tgt Ion:278 Resp: 1726

Ion	Ratio	Lower	Upper
278	100		
139	16.5	1.1	41.1
279	13.1	3.5	43.5

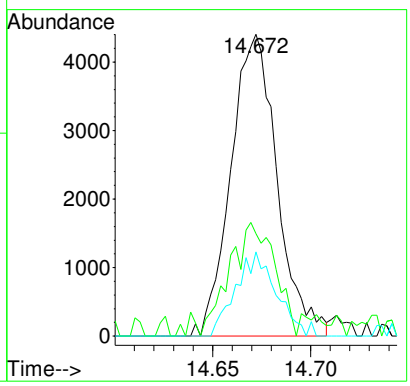


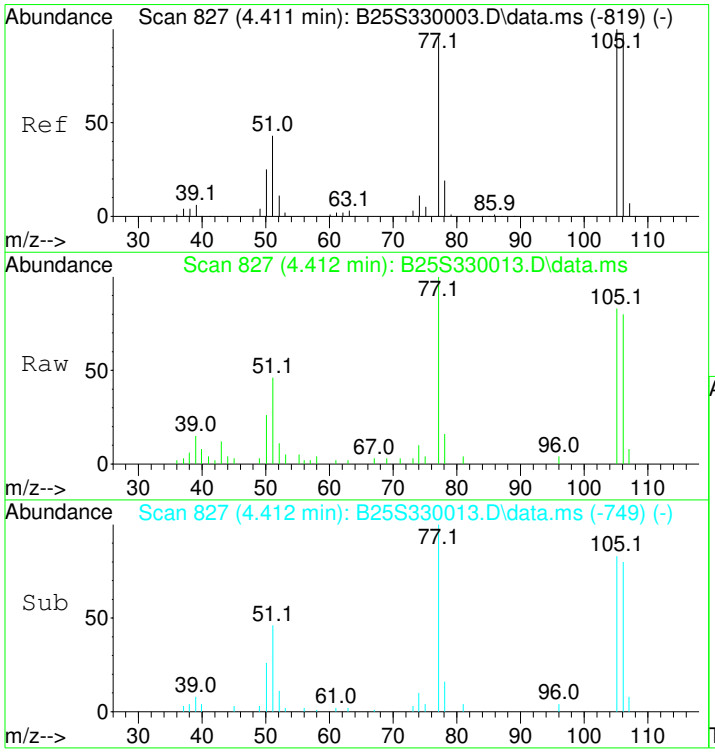


#87
Benzo(g,h,i)perylene
Concen: 1.10 ug/ml
RT: 14.672 min Scan# 4817
Delta R.T. -0.015 min
Lab File: B25S330013.D
Acq: 26 Nov 2025 5:49 pm

Tgt Ion:276 Resp: 7221

Ion	Ratio	Lower	Upper
276	100		
138	37.1	5.6	45.6
277	24.0	3.2	43.2

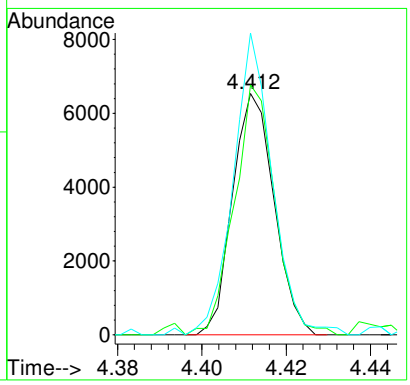


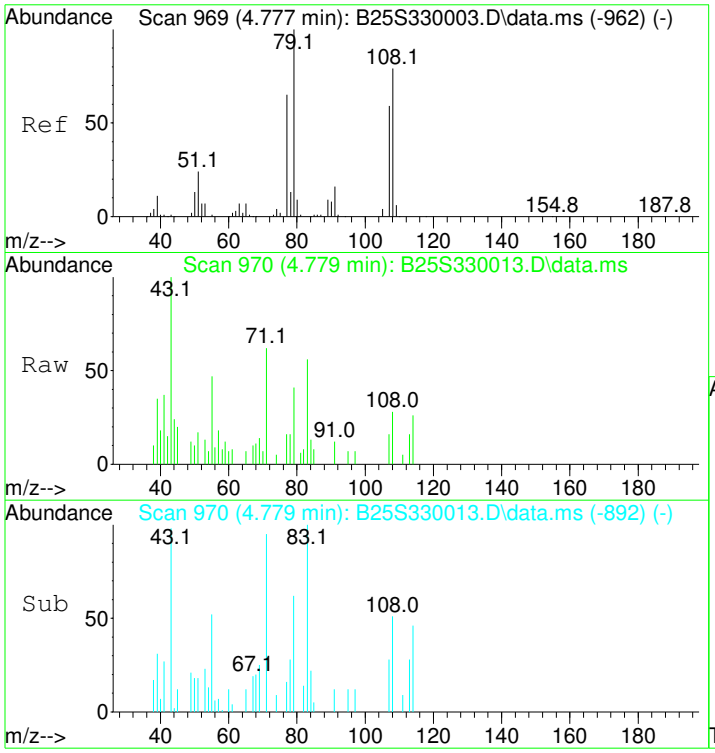


#90
Benzaldehyde
Concen: 2.12 ug/ml
RT: 4.412 min Scan# 827
Delta R.T. -0.000 min
Lab File: B25S330013.D
Acq: 26 Nov 2025 5:49 pm

Tgt Ion:106 Resp: 4460

Ion	Ratio	Lower	Upper
106	100		
105	101.4	79.4	119.2
77	118.0	81.3	121.9

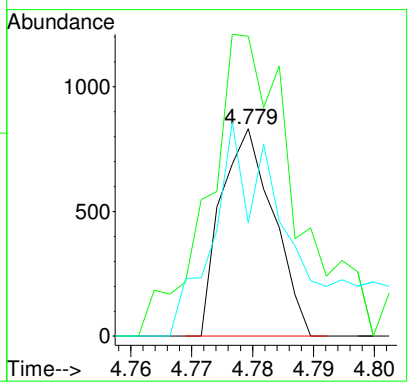




#91
Benzyl Alcohol
Concen: 0.33 ug/ml
RT: 4.779 min Scan# 970
Delta R.T. 0.001 min
Lab File: B25S330013.D
Acq: 26 Nov 2025 5:49 pm

Tgt Ion:108 Resp: 499

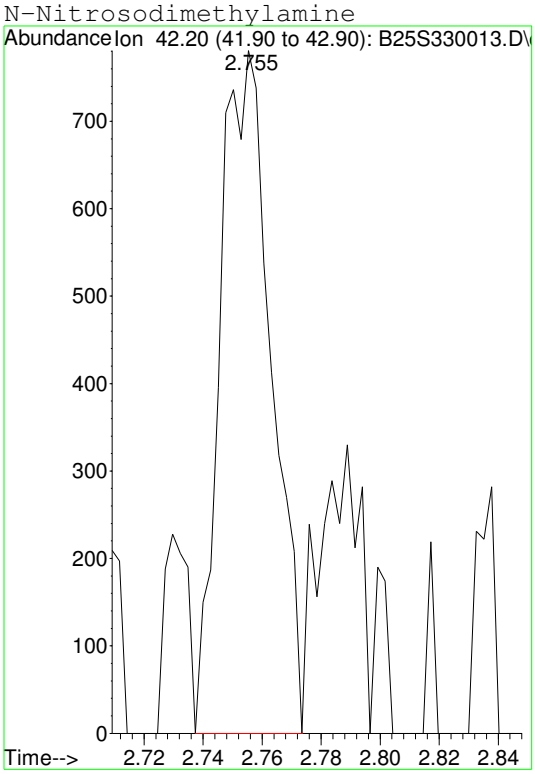
Ion	Ratio	Lower	Upper
108	100		
79	239.3	97.3	145.9#
77	130.3	62.1	93.1#



Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330013.D
Acq On : 26 Nov 2025 5:49 pm
Operator : BGL
Sample : 25K1213-13RE1@/DER
Misc :

Quant Time : Sun Nov 30 10:22:28 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
N-Nitrosodimethylamine



Original Int. Results

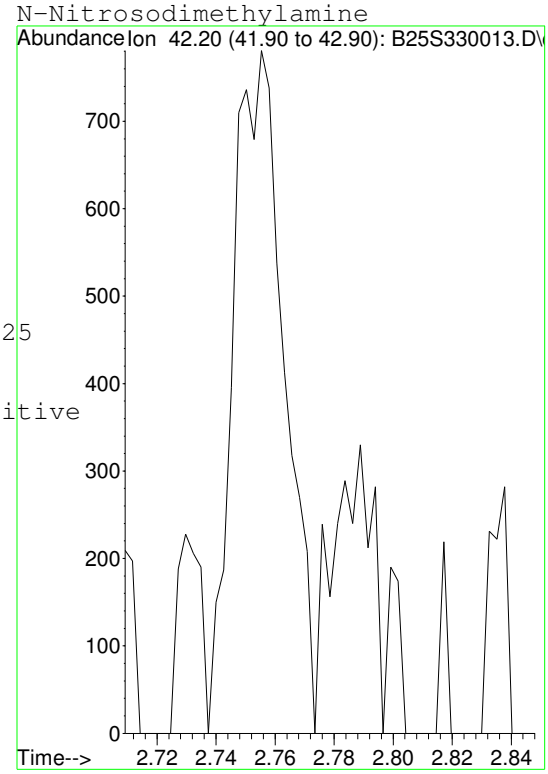
RT : 2.76
Area : 945
Amount: 0.839392

Manual Int. Results

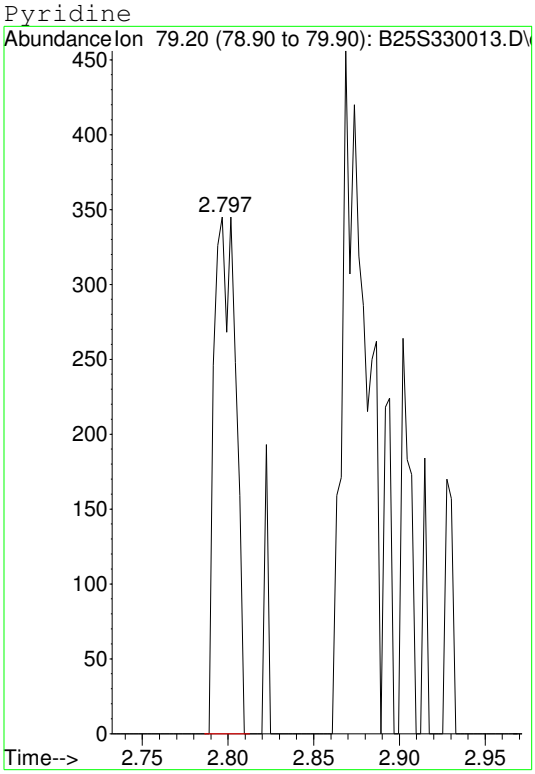
Sun Nov 30 10:21:32 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
N-Nitrosodimethylamine



Original Integration
Pyridine



Original Int. Results

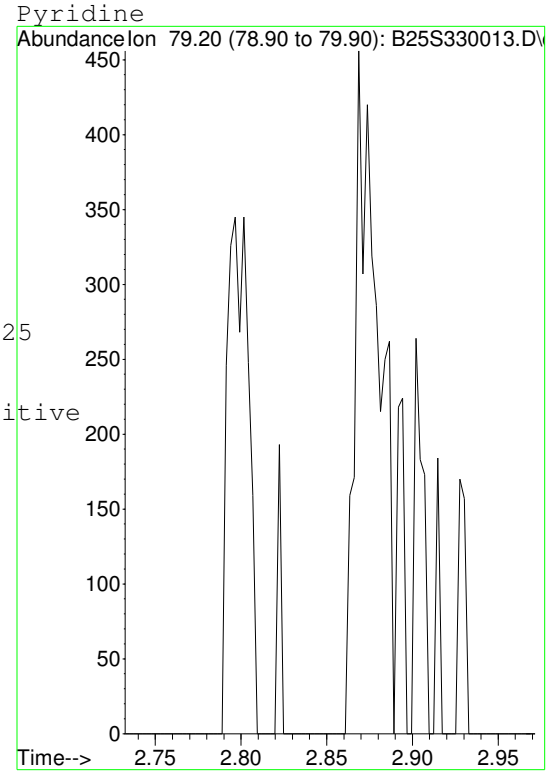
RT : 2.80
Area : 299
Amount: 0.111215

Manual Int. Results

Sun Nov 30 10:21:31 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

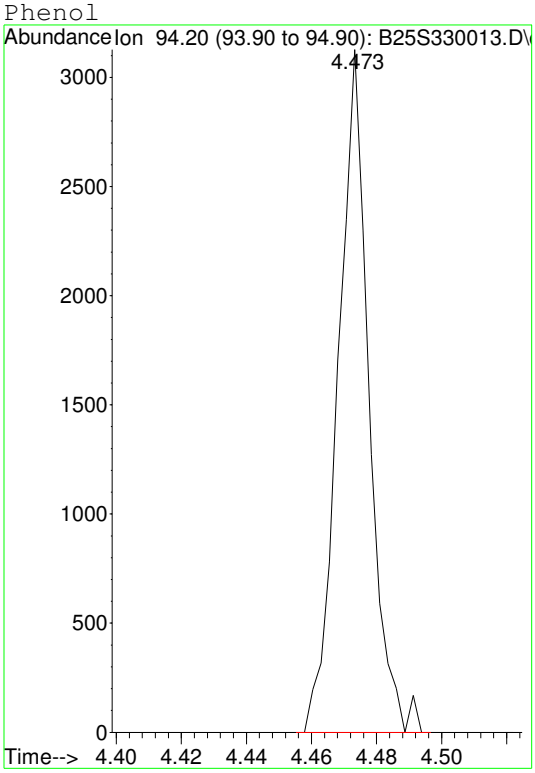
Manual Integration
Pyridine



Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330013.D
Acq On : 26 Nov 2025 5:49 pm
Operator : BGL
Sample : 25K1213-13RE1@/DER
Misc :

Quant Time : Sun Nov 30 10:22:28 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Phenol



Original Int. Results

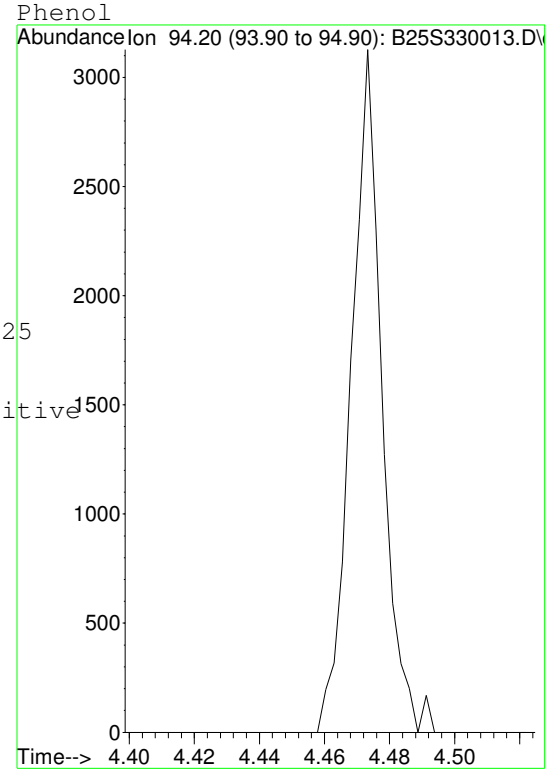
RT : 4.47
Area : 2056
Amount: 0.644599

Manual Int. Results

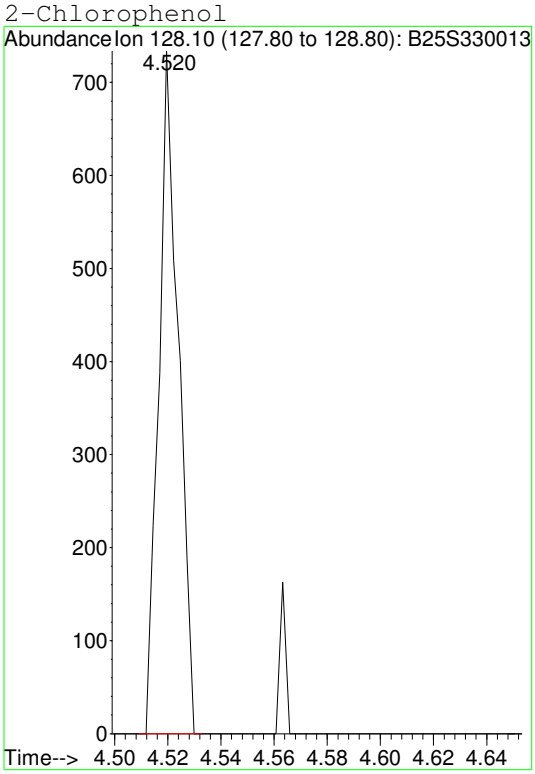
Sun Nov 30 10:21:31 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Phenol



Original Integration
2-Chlorophenol



Original Int. Results

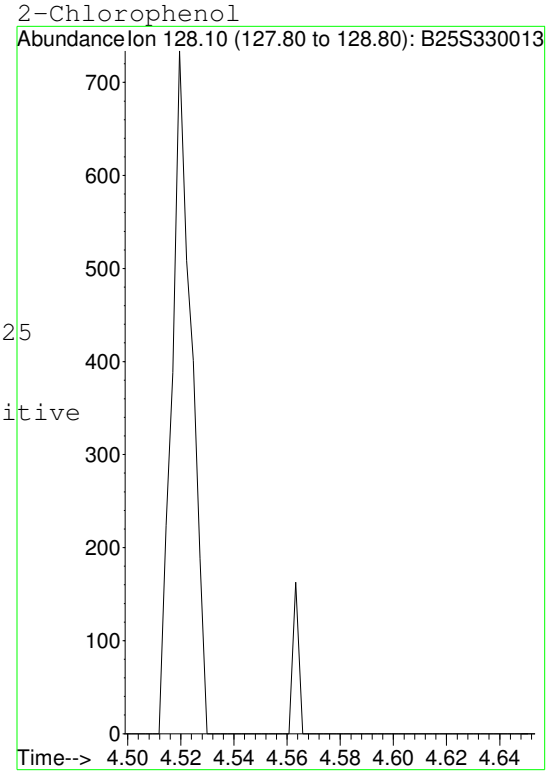
RT : 4.52
Area : 377
Amount: 0.151485

Manual Int. Results

Sun Nov 30 10:21:31 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

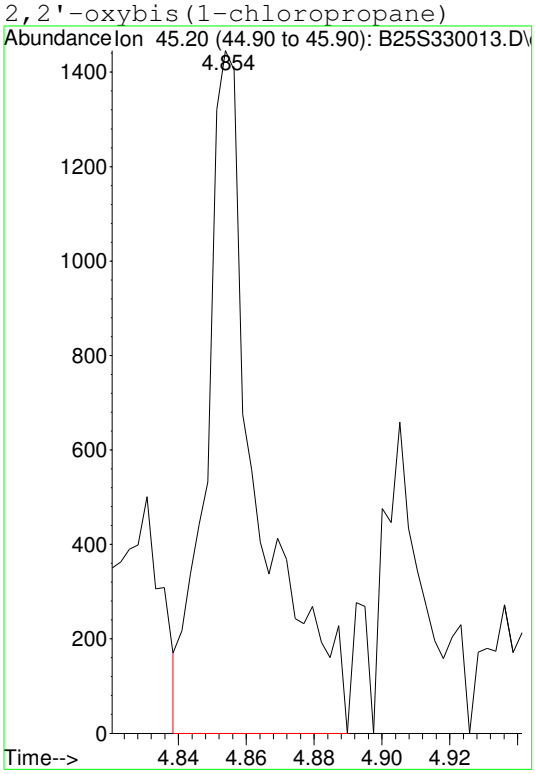
Manual Integration
2-Chlorophenol



Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330013.D
Acq On : 26 Nov 2025 5:49 pm
Operator : BGL
Sample : 25K1213-13RE1@/DER
Misc :

Quant Time : Sun Nov 30 10:22:28 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
2,2'-oxybis(1-chloropropane)



Original Int. Results

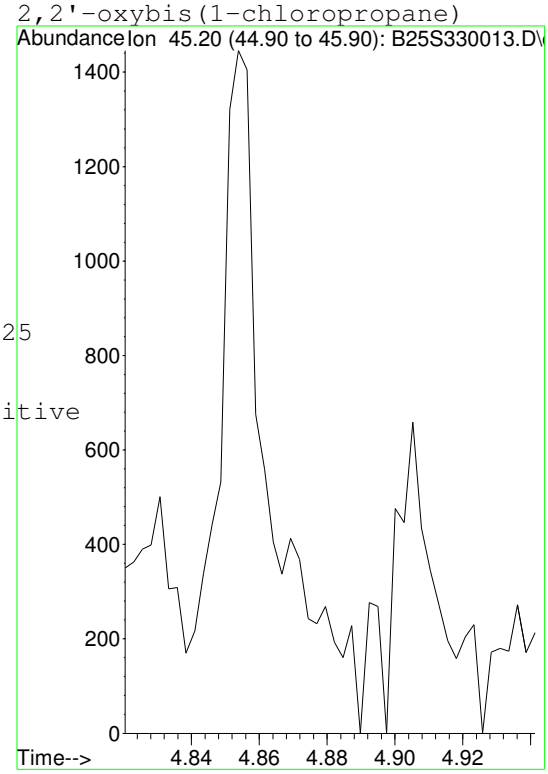
RT : 4.85
Area : 1510
Amount: 0.574134

Manual Int. Results

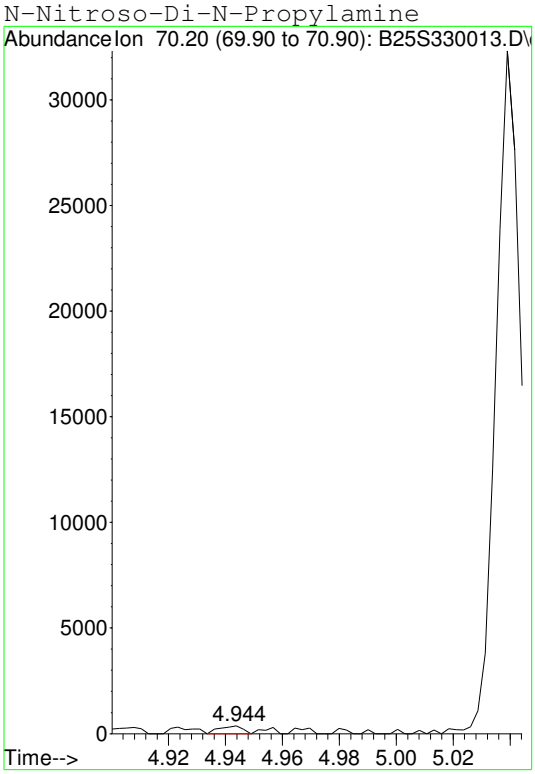
Sun Nov 30 10:21:31 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2,2'-oxybis(1-chloropropane)



Original Integration
N-Nitroso-Di-N-Propylamine



Original Int. Results

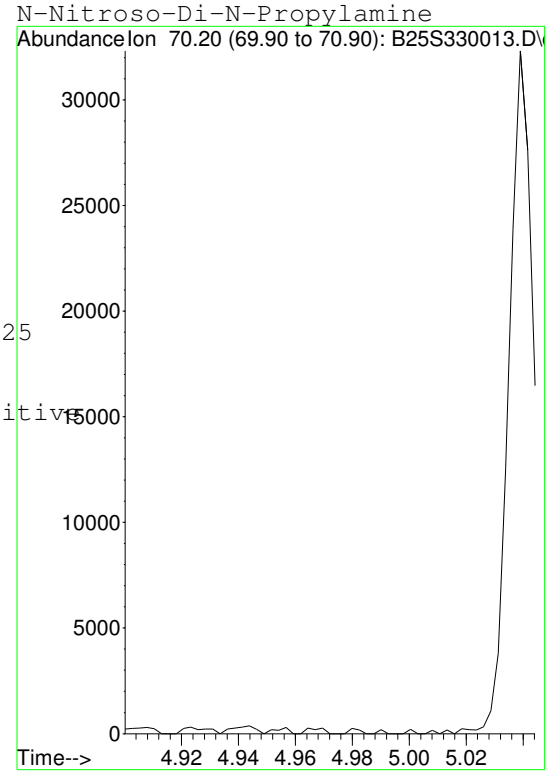
RT : 4.94
Area : 208
Amount: 0.122904

Manual Int. Results

Sun Nov 30 10:21:44 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

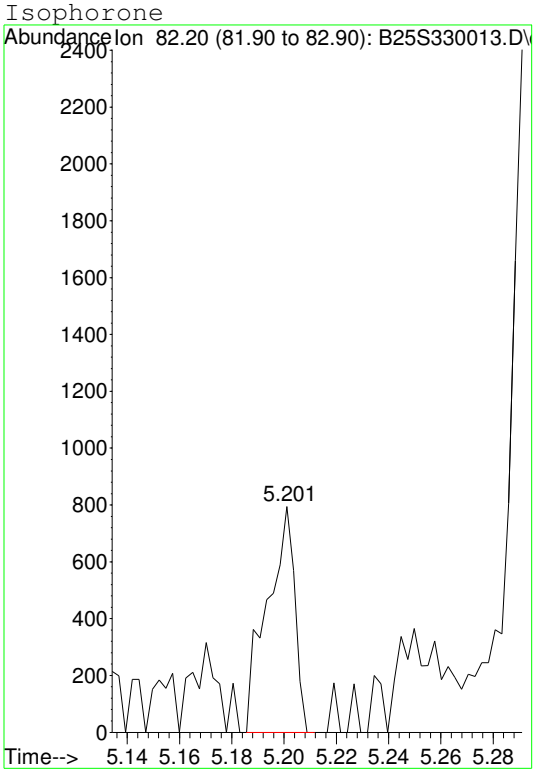
Manual Integration
N-Nitroso-Di-N-Propylamine



Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330013.D
Acq On : 26 Nov 2025 5:49 pm
Operator : BGL
Sample : 25K1213-13RE1@/DER
Misc :

Quant Time : Sun Nov 30 10:22:28 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Isophorone



Original Int. Results

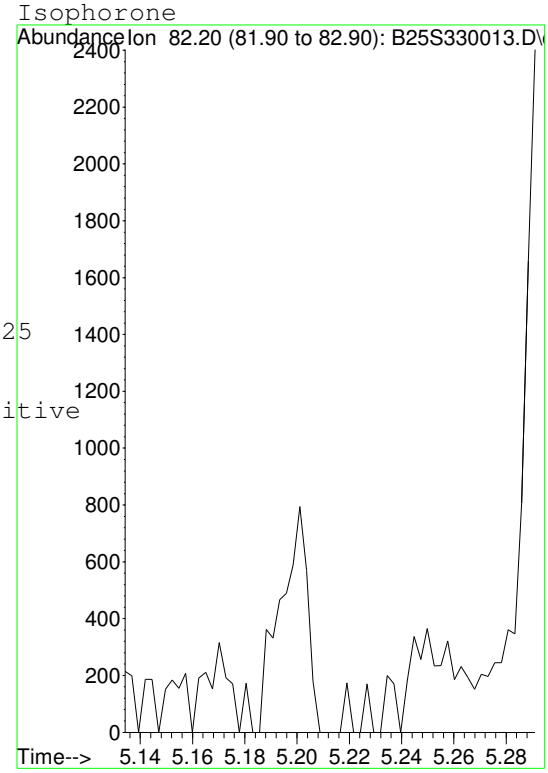
RT : 5.20
Area : 584
Amount: 0.143174

Manual Int. Results

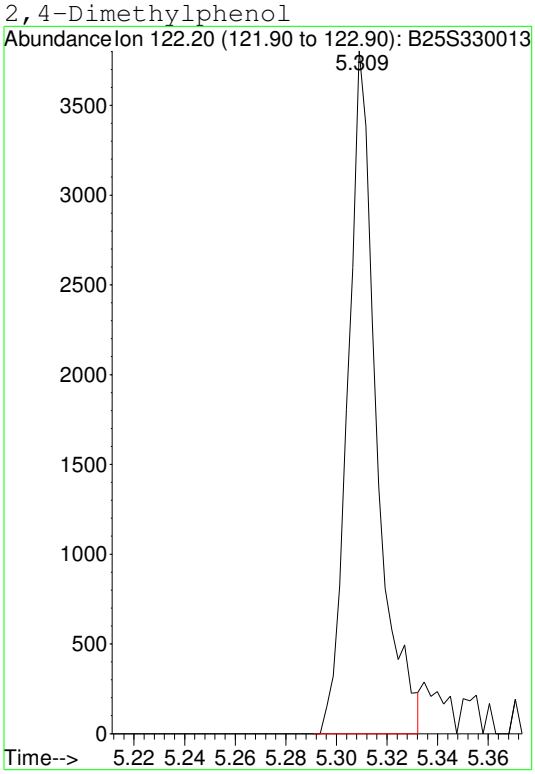
Sun Nov 30 10:21:44 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Isophorone



Original Integration
2,4-Dimethylphenol



Original Int. Results

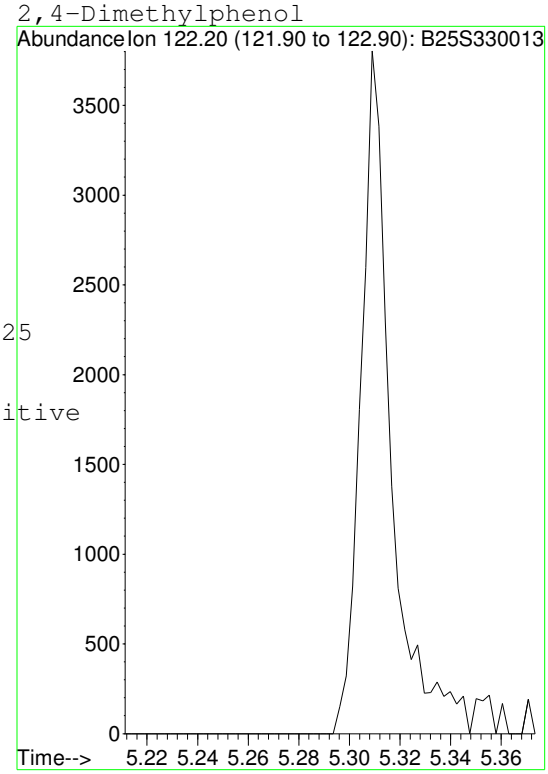
RT : 5.31
Area : 2980
Amount: 1.53831

Manual Int. Results

Sun Nov 30 10:21:48 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

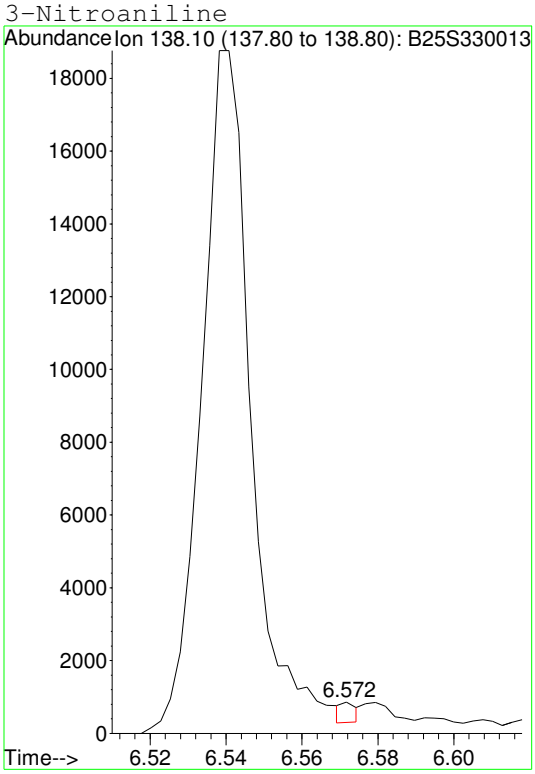
Manual Integration
2,4-Dimethylphenol



Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330013.D
Acq On : 26 Nov 2025 5:49 pm
Operator : BGL
Sample : 25K1213-13RE1@/DER
Misc :

Quant Time : Sun Nov 30 10:22:28 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
3-Nitroaniline



Original Int. Results

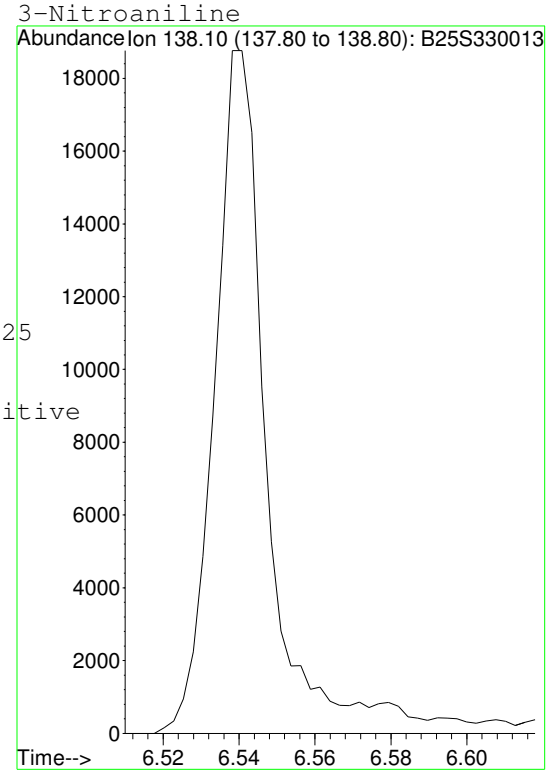
RT : 6.57
Area : 150
Amount: 0.133876

Manual Int. Results

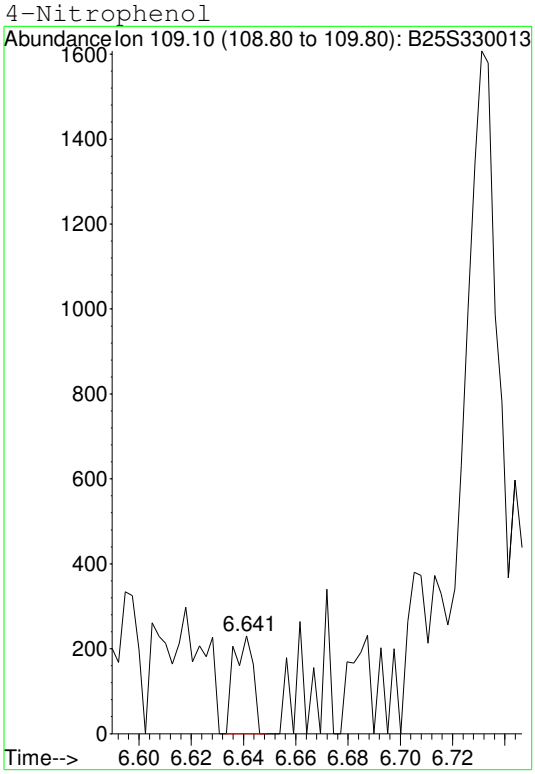
Sun Nov 30 10:21:43 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
3-Nitroaniline



Original Integration
4-Nitrophenol



Original Int. Results

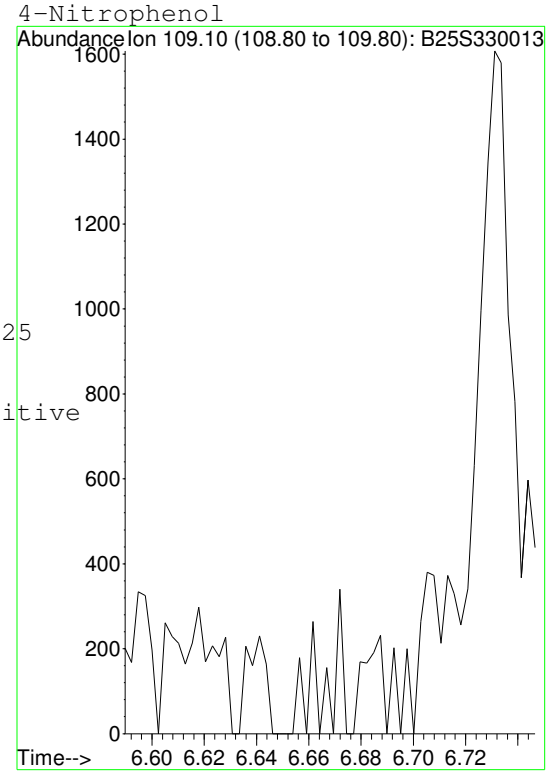
RT : 6.64
Area : 117
Amount: 0.241397

Manual Int. Results

Sun Nov 30 10:22:04 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

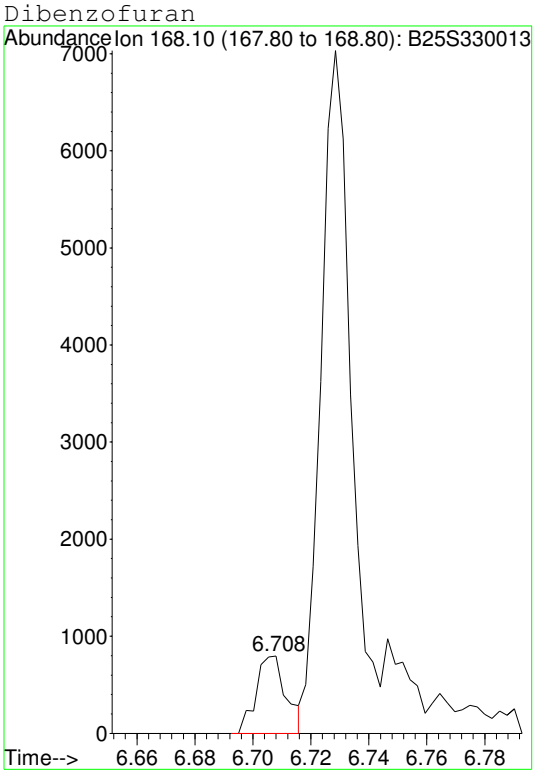
Manual Integration
4-Nitrophenol



Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330013.D
Acq On : 26 Nov 2025 5:49 pm
Operator : BGL
Sample : 25K1213-13RE1@/DER
Misc :

Quant Time : Sun Nov 30 10:22:28 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Dibenzofuran



Original Int. Results

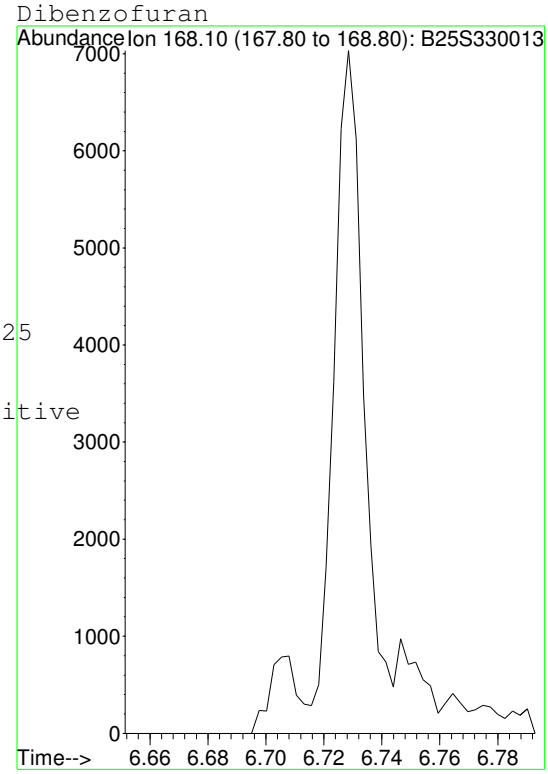
RT : 6.71
Area : 576
Amount: 0.108486

Manual Int. Results

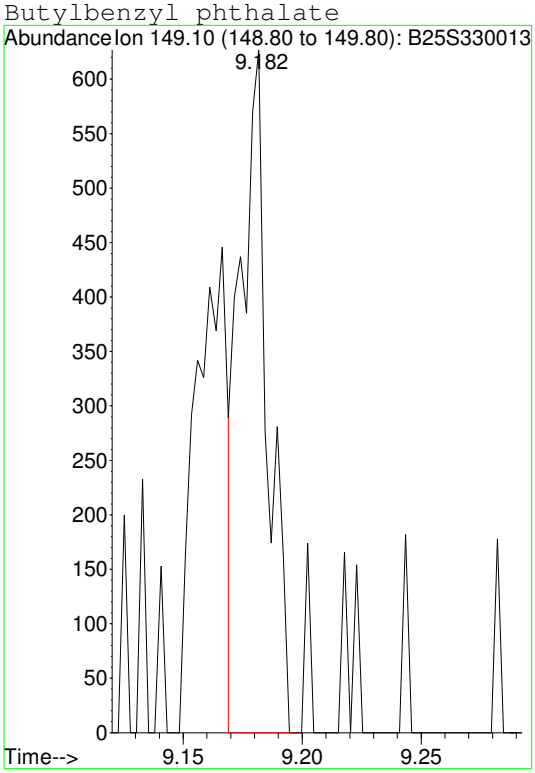
Sun Nov 30 10:22:10 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Dibenzofuran



Original Integration
Butylbenzyl phthalate



Original Int. Results

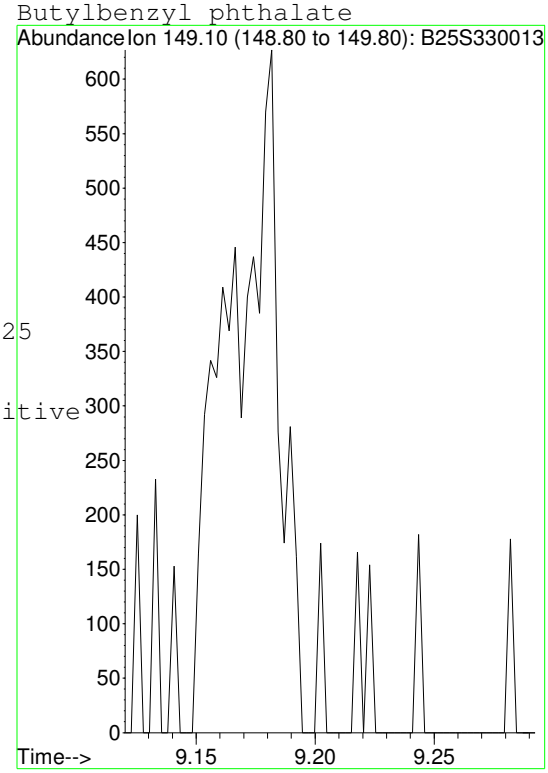
RT : 9.18
Area : 511
Amount: 0.183981

Manual Int. Results

Sun Nov 30 10:22:28 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Butylbenzyl phthalate



1 - FORM I
ANALYSIS DATA SHEET

B-2 (2-12in)

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-14RE1	File ID:	B25S330014.D
Sampled:	11/17/25 12:40	Prepared:	11/25/25 08:43	Analyzed:	11/26/25 18:13
Solids:	83.23	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.14 g / 1 mL				
Batch:	B418195	Sequence:	S129079	Calibration:	2500833	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol		0.057	0.80	
1912-24-9	Atrazine		0.056	0.80	V-06
100-52-7	Benzaldehyde		0.056	0.41	MS-09, V-05, V-3
92-52-4	Biphenyl		0.046	0.080	
105-60-2	Caprolactam		0.070	0.41	
83-32-9	Acenaphthene		0.0044	0.039	
208-96-8	Acenaphthylene	0.017	0.0050	0.039	J
98-86-2	Acetophenone		0.043	0.41	
62-53-3	Aniline		0.077	0.41	MS-09, V-05, V-3
120-12-7	Anthracene	0.017	0.0045	0.039	J
56-55-3	Benzo(a)anthracene	0.073	0.0062	0.039	
50-32-8	Benzo(a)pyrene	0.082	0.013	0.039	
205-99-2	Benzo(b)fluoranthene	0.12	0.0098	0.039	
191-24-2	Benzo(g,h,i)perylene	0.072	0.016	0.039	
207-08-9	Benzo(k)fluoranthene	0.041	0.0081	0.039	
111-91-1	Bis(2-chloroethoxy)methane		0.041	0.41	
111-44-4	Bis(2-chloroethyl)ether		0.054	0.41	
108-60-1	2,2'-oxybis(1-Chloropropane)		0.16	0.41	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.055	0.41	V-06
101-55-3	4-Bromophenylphenylether		0.036	0.41	
85-68-7	Butylbenzylphthalate		0.046	0.41	
86-74-8	Carbazole		0.042	0.20	
106-47-8	4-Chloroaniline		0.065	0.79	MS-09
59-50-7	4-Chloro-3-methylphenol		0.043	0.79	
91-58-7	2-Chloronaphthalene		0.036	0.41	MS-09
95-57-8	2-Chlorophenol		0.036	0.41	
7005-72-3	4-Chlorophenylphenylether		0.037	0.41	
218-01-9	Chrysene	0.094	0.0051	0.039	
53-70-3	Dibenz(a,h)anthracene		0.018	0.039	

1 - FORM I
ANALYSIS DATA SHEET

B-2 (2-12in)

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-14RE1	File ID:	B25S330014.D
Sampled:	11/17/25 12:40	Prepared:	11/25/25 08:43	Analyzed:	11/26/25 18:13
Solids:	83.23	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.14 g / 1 mL				
Batch:	B418195	Sequence:	S129079	Calibration:	2500833
				Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
132-64-9	Dibenzofuran		0.040	0.41	
84-74-2	Di-n-butylphthalate		0.16	0.41	
91-94-1	3,3-Dichlorobenzidine		0.072	0.20	MS-09
120-83-2	2,4-Dichlorophenol		0.038	0.41	
84-66-2	Diethylphthalate		0.039	0.41	
105-67-9	2,4-Dimethylphenol		0.084	0.41	
131-11-3	Dimethylphthalate		0.036	0.41	
534-52-1	4,6-Dinitro-2-methylphenol		0.33	0.41	
51-28-5	2,4-Dinitrophenol		0.38	0.79	V-04, V-06
121-14-2	2,4-Dinitrotoluene		0.096	0.41	
606-20-2	2,6-Dinitrotoluene		0.051	0.41	
117-84-0	Di-n-octylphthalate		0.060	0.41	V-06
206-44-0	Fluoranthene	0.17	0.0056	0.039	
86-73-7	Fluorene	0.0064	0.0048	0.039	J
118-74-1	Hexachlorobenzene		0.041	0.41	
87-68-3	Hexachlorobutadiene		0.042	0.41	
77-47-4	Hexachlorocyclopentadiene		0.20	0.41	MS-09
67-72-1	Hexachloroethane		0.037	0.41	MS-09
193-39-5	Indeno(1,2,3-cd)pyrene	0.073	0.016	0.039	
78-59-1	Isophorone		0.043	0.41	
90-12-0	1-Methylnaphthalene	0.0072	0.0050	0.039	J
91-57-6	2-Methylnaphthalene	0.0096	0.0045	0.039	MS-09, J
95-48-7	2-Methylphenol		0.051	0.41	
108-39-4/106-4	3/4-Methylphenol		0.066	0.41	
91-20-3	Naphthalene	0.012	0.0057	0.039	J
88-74-4	2-Nitroaniline		0.062	0.41	
99-09-2	3-Nitroaniline		0.053	0.41	MS-09
100-01-6	4-Nitroaniline		0.057	0.41	MS-09
98-95-3	Nitrobenzene		0.046	0.41	

1 - FORM I
ANALYSIS DATA SHEET

B-2 (2-12in)

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-14RE1	File ID:	B25S330014.D
Sampled:	11/17/25 12:40	Prepared:	11/25/25 08:43	Analyzed:	11/26/25 18:13
Solids:	83.23	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.14 g / 1 mL				
Batch:	B418195	Sequence:	S129079	Calibration:	2500833
				Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
88-75-5	2-Nitrophenol		0.042	0.41	
100-02-7	4-Nitrophenol		0.16	0.79	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.053	0.41	
621-64-7	N-Nitrosodi-n-propylamine		0.050	0.41	
87-86-5	Pentachlorophenol		0.052	0.41	
85-01-8	Phenanthrene	0.069	0.0041	0.039	
108-95-2	Phenol		0.039	0.41	
129-00-0	Pyrene	0.12	0.0068	0.039	
110-86-1	Pyridine		0.051	0.41	MS-09
95-94-3	1,2,4,5-Tetrachlorobenzene		0.039	0.41	
95-95-4	2,4,5-Trichlorophenol		0.041	0.41	
88-06-2	2,4,6-Trichlorophenol		0.036	0.41	

Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330014.D
Acq On : 26 Nov 2025 6:13 pm
Operator : BGL
Sample : 25K1213-14RE1 Inst : GCMSSV2
Misc :
ALS Vial : 14 Sample Multiplier: 1

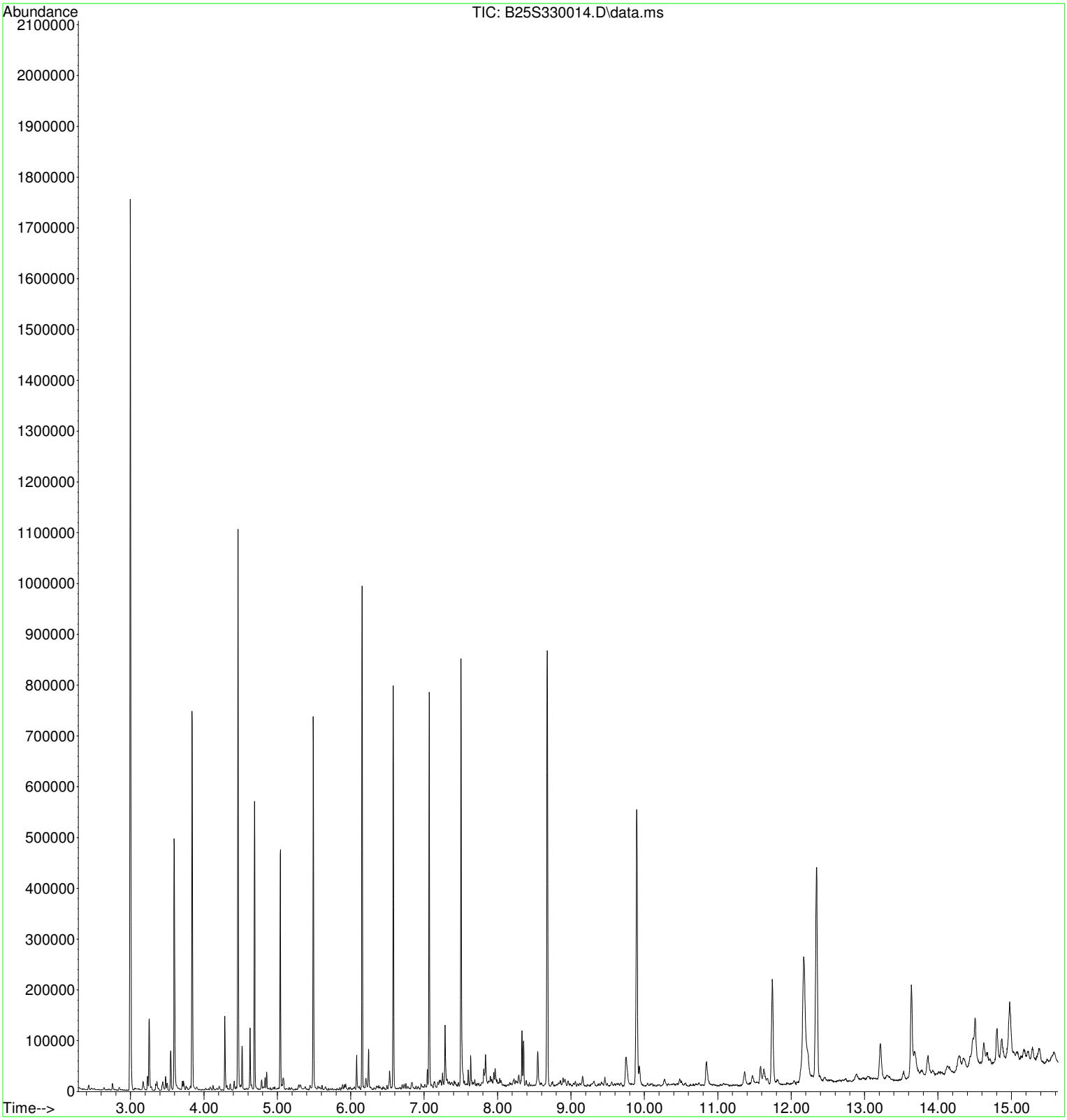
Quant Time: Nov 26 18:29:28 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

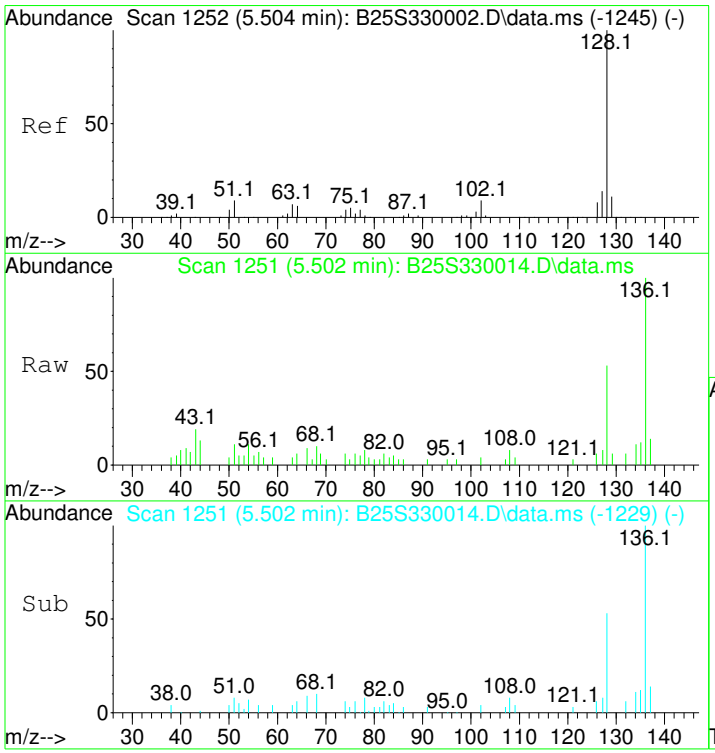
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.689	152	58903	40.00	ug/ml	-0.01
19) NAPHTHALENE-d8	5.489	136	234052	40.00	ug/ml	-0.01
35) ACENAPHTHENE-D10	6.579	164	114504	40.00	ug/ml	-0.01
58) PHENANTHRENE-D10	7.503	188	201229	40.00	ug/ml	-0.01
71) CHRYSENE-D12	9.897	240	214076	40.00	ug/ml	-0.02
80) PERYLENE-D12	12.345	264	241951	40.00	ug/ml	-0.02
88) 1,4-Dichlorobenzene-D4...	4.689	152	58903	40.00	ug/ml	-0.01
92) NAPHTHALENE-d8 (2)	5.489	136	234052	40.00	ug/ml	0.00
95) ACENAPHTHENE-D10 (2)	6.579	164	114504	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	3.841	112	154561	93.92	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 46.96%			
3) Phenol-d6	4.465	99	277506	102.27	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 51.13%			
20) Nitrobenzene-d5	5.042	82	106754	45.83	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 45.83%			
36) 2-Fluorobiphenyl	6.155	172	205377	54.33	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 54.33%			
37) 2,4,6-Tribromophenol	7.070	330	62462	122.83	ug/ml	-0.01
Spiked Amount 200.000	Range 30 - 130		Recovery = 61.41%			
72) p-Terphenyl-d14	8.678	244	247219	55.76	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 55.76%			
Target Compounds						Qvalue
29) Naphthalene	5.502	128	1873	0.29	ug/ml#	77
33) 2-MethylNaphthalene	5.929	142	1065	0.24	ug/ml	94
34) 1-Methylnaphthalene	5.993	142	723	0.18	ug/ml	96
47) Acenaphthylene	6.492	152	2369	0.43	ug/ml	95
52) Dibenzofuran	6.703	168	730	0.15	ug/ml	95
56) Flourene	6.919	166	652	0.16	ug/ml#	60
66) Phenanthrene	7.518	178	10964	1.74	ug/ml	94
67) Anthracene	7.549	178	2655	0.42	ug/ml	97
68) Carbazole	7.649	167	1077	0.18	ug/ml	97
70) Flouranthene	8.354	202	25974	4.18	ug/ml	99
74) Pyrene	8.547	202	23127	2.95	ug/ml	95
77) Benzo(a)anthracene	9.881	228	13291	1.84	ug/ml	85
78) Chrysene	9.933	228	16954	2.37	ug/ml	94
82) Benzo(b)fluoranthene	11.630	252	21553	2.90	ug/ml	96
83) Benzo(k)fluoranthene	11.676	252	7626	1.04	ug/ml	86
84) Benzo(a)pyrene	12.229	252	14087	2.05	ug/ml	88
85) Indeno(1,2,3-cd)pyrene	14.299	276	11262	1.84	ug/ml	91
86) Dibenz(a,h)anthracene	14.343	278	2769	0.43	ug/ml	87
87) Benzo(g,h,i)perylene	14.675	276	12220	1.80	ug/ml	87
90) Benzaldehyde	4.414	106	1679	0.86	ug/ml	95

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

Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330014.D
Acq On : 26 Nov 2025 6:13 pm
Operator : BGL
Sample : 25K1213-14RE1 Inst : GCMSSV2
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 26 18:29:28 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

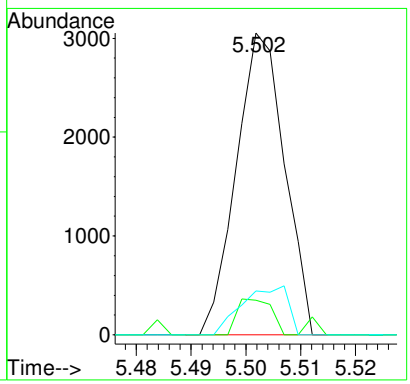


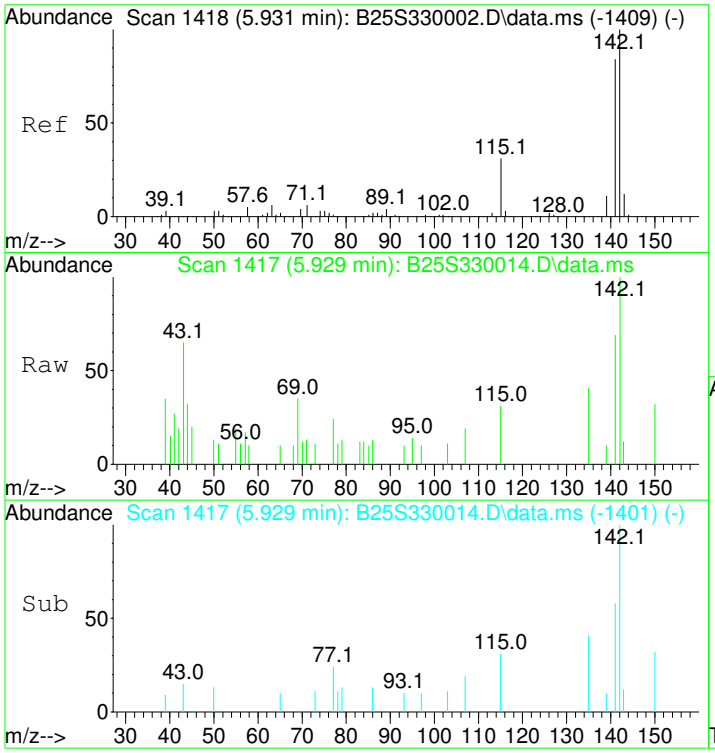


#29
Naphthalene
Concen: 0.29 ug/ml
RT: 5.502 min Scan# 1251
Delta R.T. -0.015 min
Lab File: B25S330014.D
Acq: 26 Nov 2025 6:13 pm

Tgt Ion:128 Resp: 1873

Ion	Ratio	Lower	Upper
128	100		
129	8.4	0.0	31.1
127	0.0	0.0	34.2

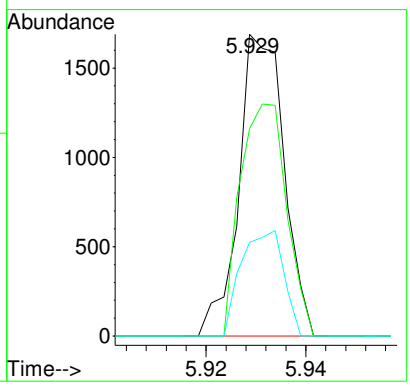


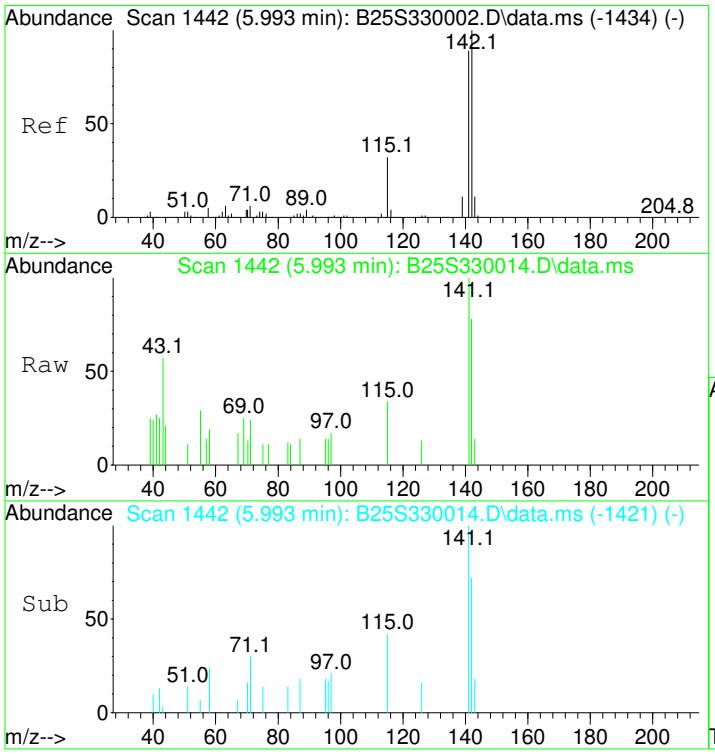


#33
2-MethylNaphthalene
Concen: 0.24 ug/ml
RT: 5.929 min Scan# 1417
Delta R.T. -0.015 min
Lab File: B25S330014.D
Acq: 26 Nov 2025 6:13 pm

Tgt Ion:142 Resp: 1065

Ion	Ratio	Lower	Upper
142	100		
141	78.8	66.6	106.6
115	32.9	12.6	52.6

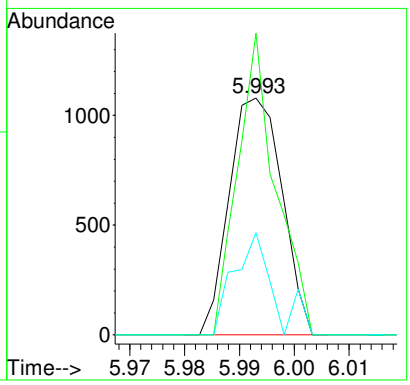


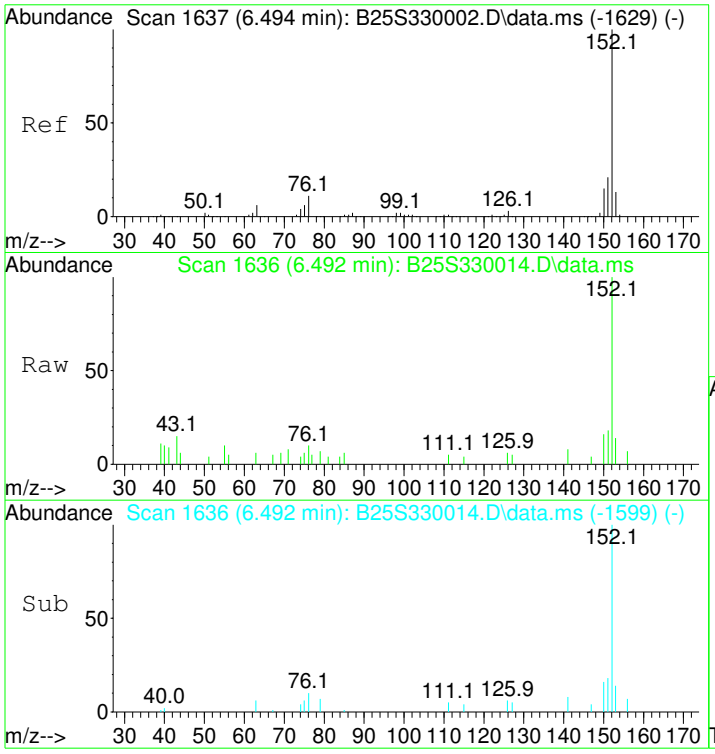


#34
1-Methylnaphthalene
Concen: 0.18 ug/ml
RT: 5.993 min Scan# 1442
Delta R.T. -0.013 min
Lab File: B25S330014.D
Acq: 26 Nov 2025 6:13 pm

Tgt Ion:142 Resp: 723

Ion	Ratio	Lower	Upper
142	100		
141	92.4	69.0	109.0
115	32.0	14.1	54.1

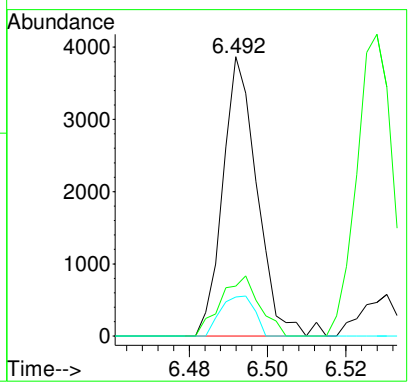


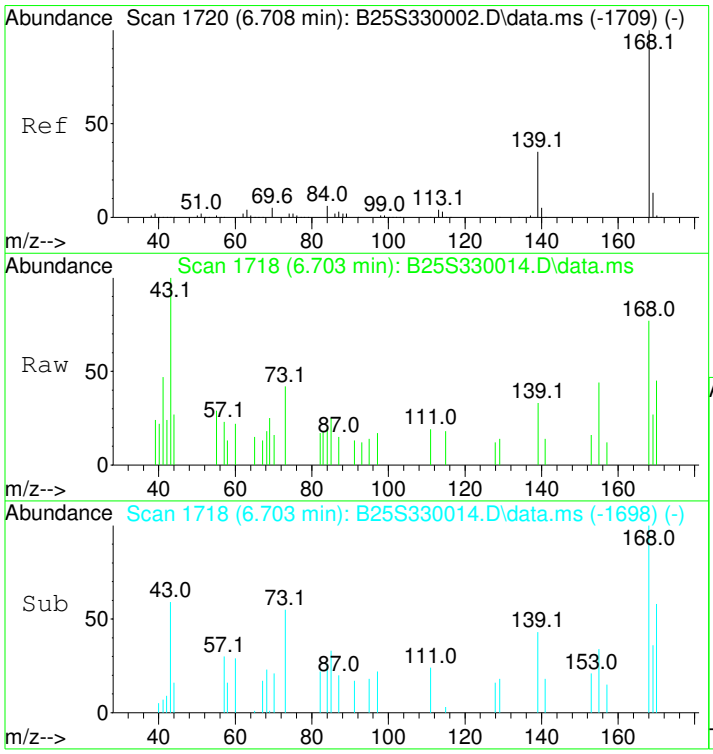


#47
Acenaphthylene
Concen: 0.43 ug/ml
RT: 6.492 min Scan# 1636
Delta R.T. -0.013 min
Lab File: B25S330014.D
Acq: 26 Nov 2025 6:13 pm

Tgt Ion:152 Resp: 2369

Ion	Ratio	Lower	Upper
152	100		
151	24.4	1.0	41.0
153	14.1	0.0	33.1

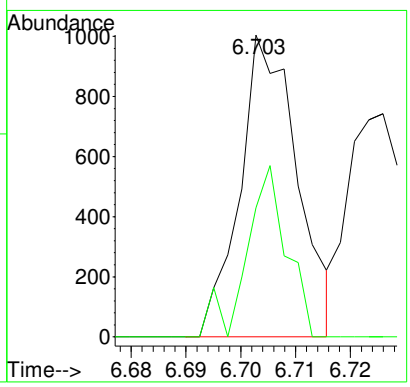


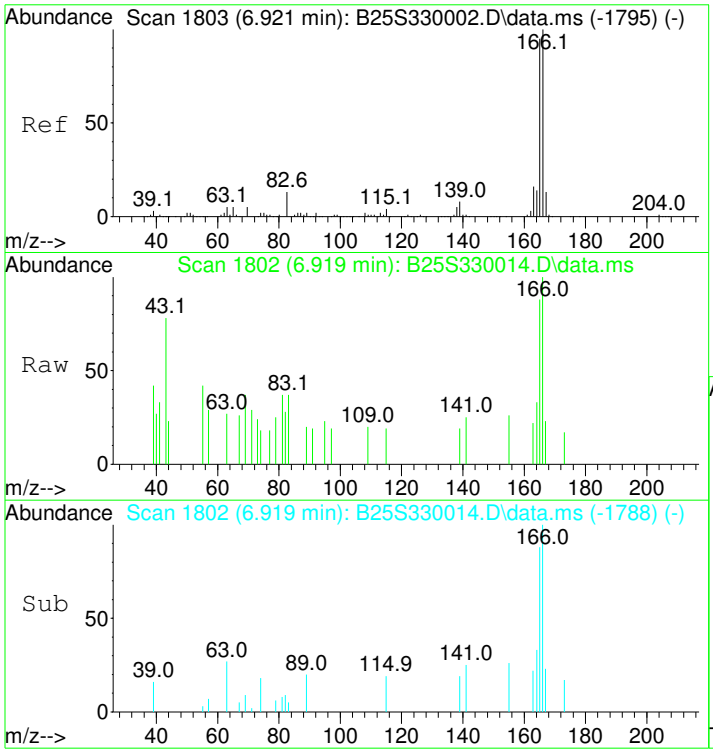


#52
Dibenzofuran
Concen: 0.15 ug/ml
RT: 6.703 min Scan# 1718
Delta R.T. -0.015 min
Lab File: B25S330014.D
Acq: 26 Nov 2025 6:13 pm

Tgt Ion:168 Resp: 730

Ion	Ratio	Lower	Upper
168	100		
139	39.7	16.8	56.8

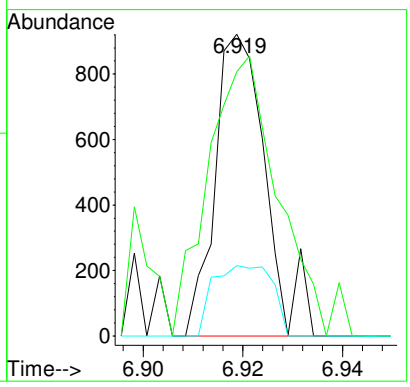


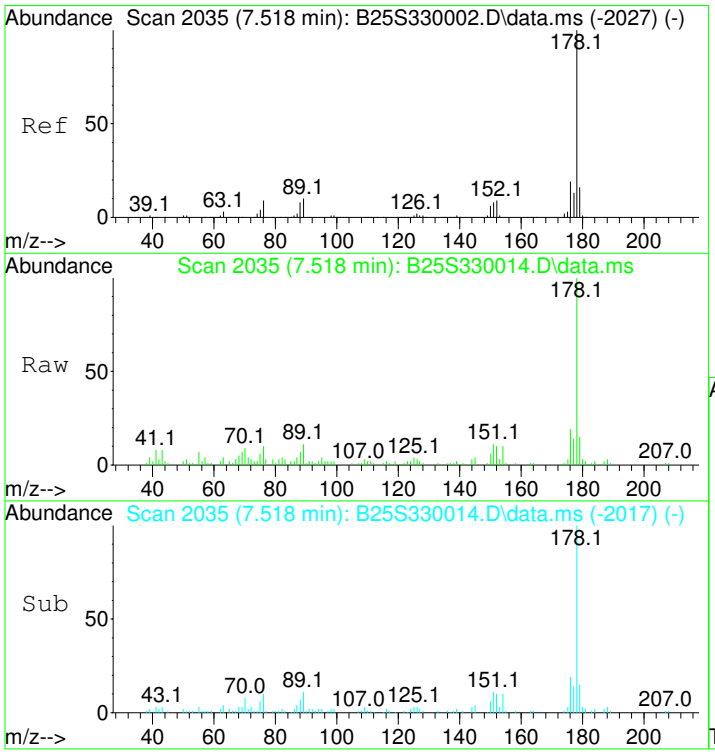


#56
Flourene
Concen: 0.16 ug/ml
RT: 6.919 min Scan# 1802
Delta R.T. -0.013 min
Lab File: B25S330014.D
Acq: 26 Nov 2025 6:13 pm

Tgt Ion:166 Resp: 652

Ion	Ratio	Lower	Upper
166	100		
165	129.9	71.4	111.4#
167	27.3	0.0	33.6

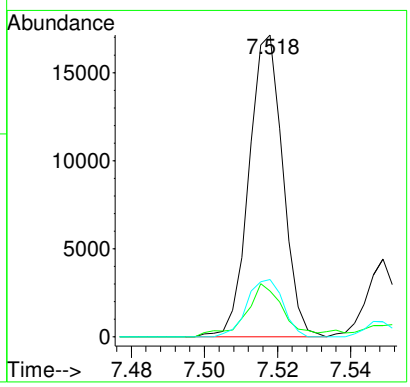


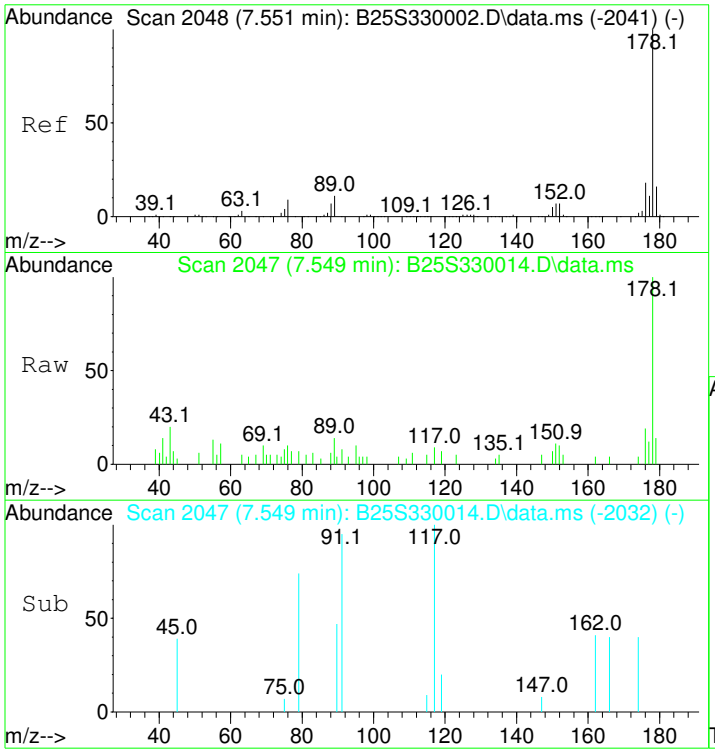


#66
Phenanthrene
Concen: 1.74 ug/ml
RT: 7.518 min Scan# 2035
Delta R.T. -0.010 min
Lab File: B25S330014.D
Acq: 26 Nov 2025 6:13 pm

Tgt Ion:178 Resp: 10964

Ion	Ratio	Lower	Upper
178	100		
179	19.2	0.0	35.5
176	20.3	0.0	39.0

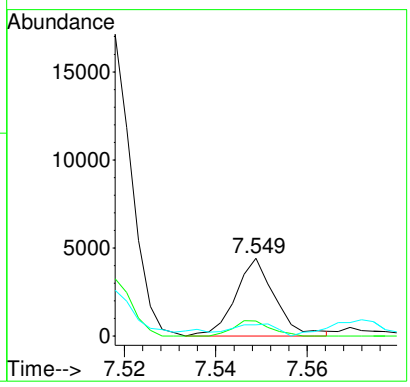


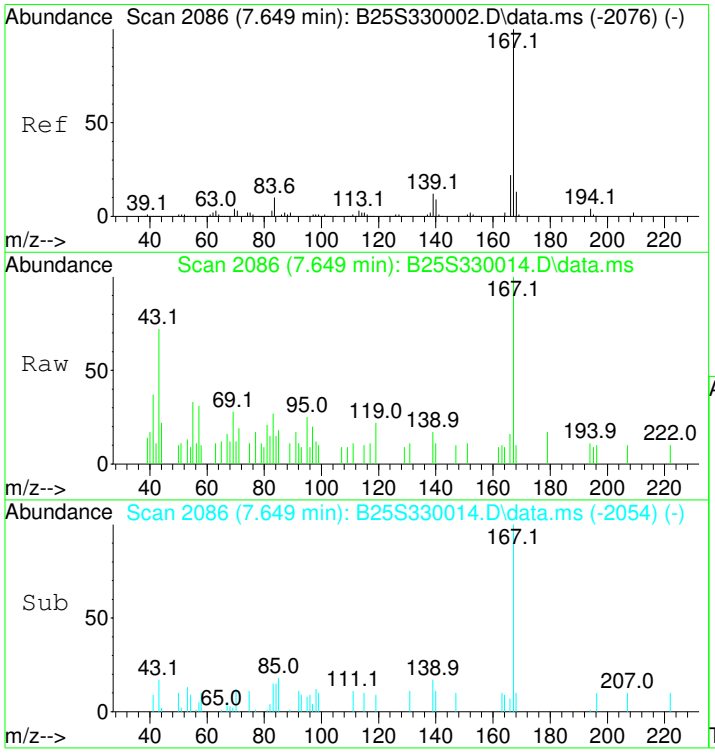


#67
Anthracene
Concen: 0.42 ug/ml
RT: 7.549 min Scan# 2047
Delta R.T. -0.013 min
Lab File: B25S330014.D
Acq: 26 Nov 2025 6:13 pm

Tgt Ion:178 Resp: 2655

Ion	Ratio	Lower	Upper
178	100		
176	18.8	0.0	38.3
179	17.7	0.0	35.5

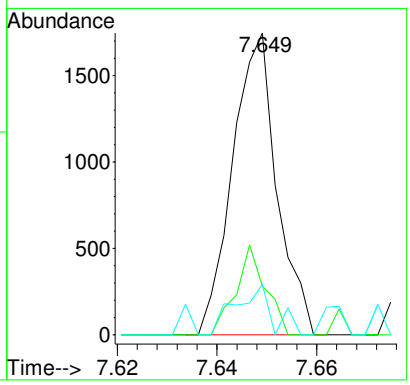


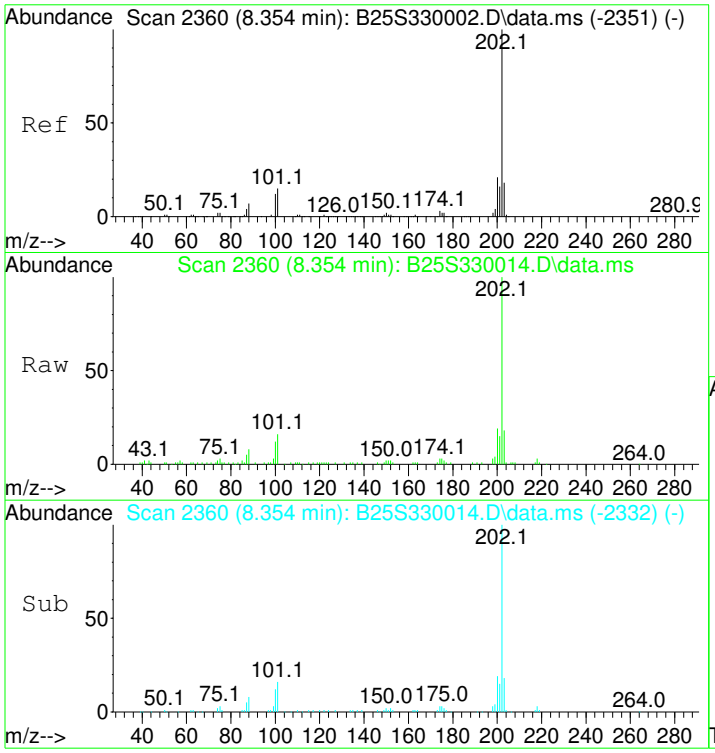


#68
Carbazole
Concen: 0.18 ug/ml
RT: 7.649 min Scan# 2086
Delta R.T. -0.008 min
Lab File: B25S330014.D
Acq: 26 Nov 2025 6:13 pm

Tgt Ion:167 Resp: 1077

Ion	Ratio	Lower	Upper
167	100		
166	20.1	1.9	41.9
139	14.2	0.0	33.5

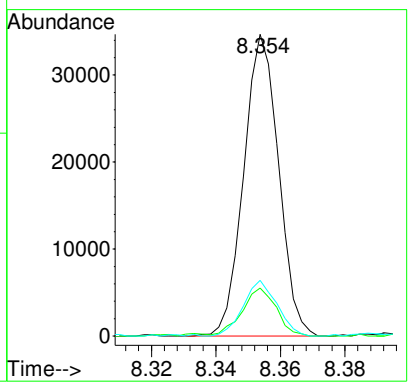


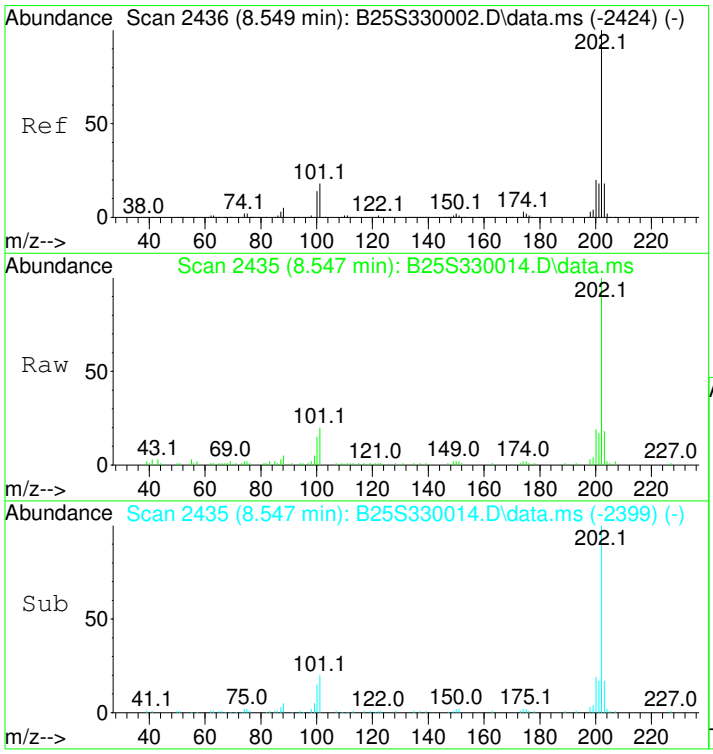


#70
Flouranthene
Concen: 4.18 ug/ml
RT: 8.354 min Scan# 2360
Delta R.T. -0.013 min
Lab File: B25S330014.D
Acq: 26 Nov 2025 6:13 pm

Tgt Ion:202 Resp: 25974

Ion	Ratio	Lower	Upper
202	100		
101	15.6	0.0	36.2
203	17.9	0.0	37.5

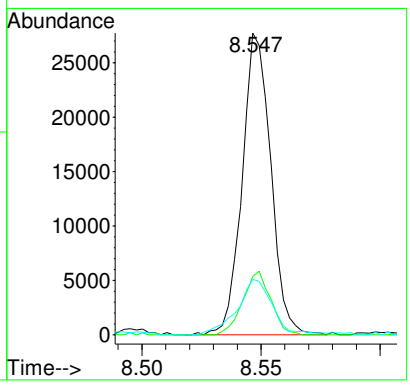


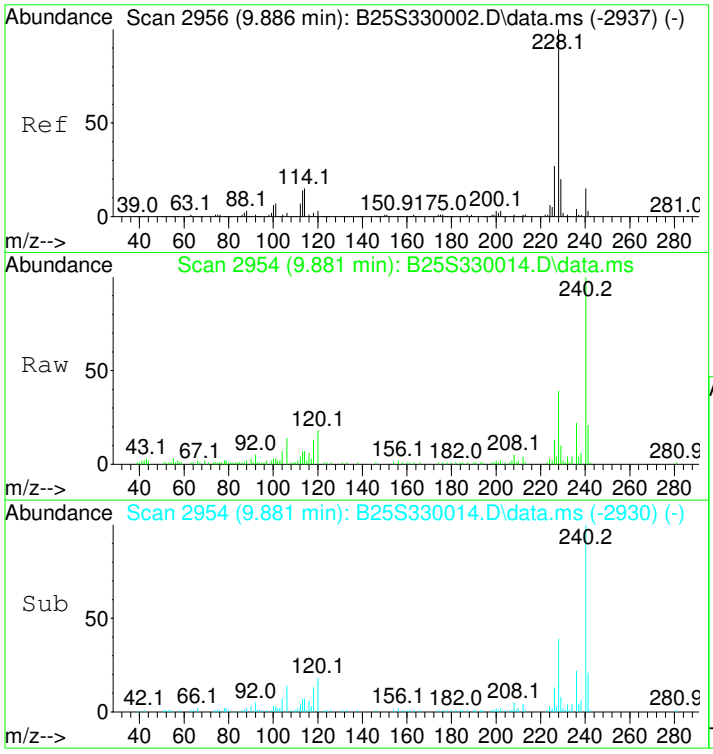


#74
Pyrene
Concen: 2.95 ug/ml
RT: 8.547 min Scan# 2435
Delta R.T. -0.015 min
Lab File: B25S330014.D
Acq: 26 Nov 2025 6:13 pm

Tgt Ion:202 Resp: 23127

Ion	Ratio	Lower	Upper
202	100		
200	20.5	0.1	40.1
203	22.8	0.0	38.1

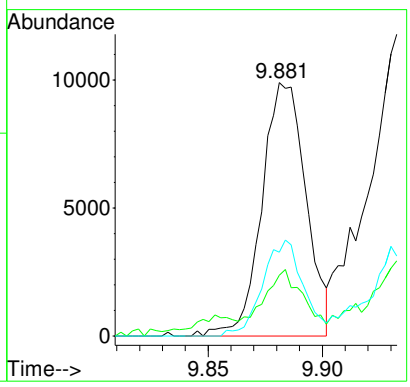


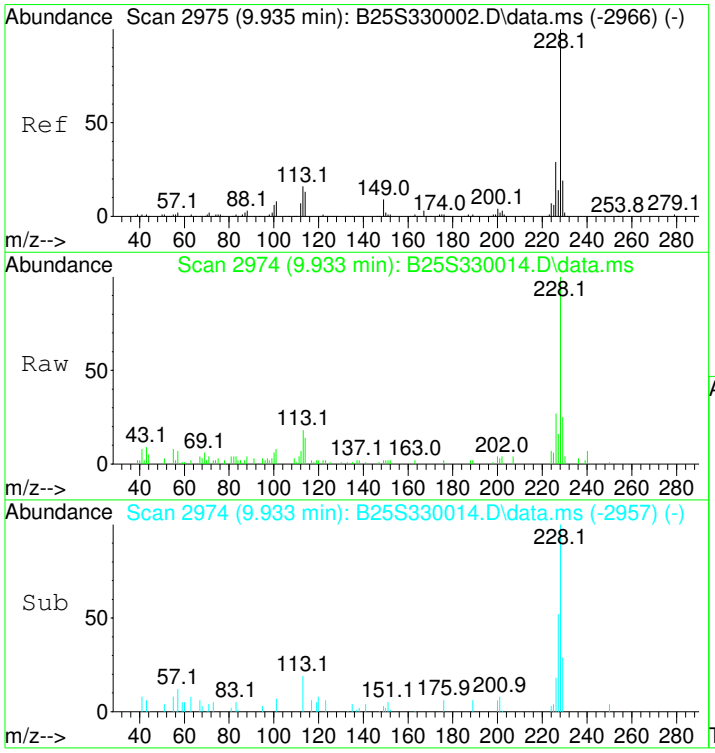


#77
Benzo(a)anthracene
Concen: 1.84 ug/ml
RT: 9.881 min Scan# 2954
Delta R.T. -0.020 min
Lab File: B25S330014.D
Acq: 26 Nov 2025 6:13 pm

Tgt Ion:228 Resp: 13291

Ion	Ratio	Lower	Upper
228	100		
229	22.4	0.0	38.9
226	34.8	4.9	44.9

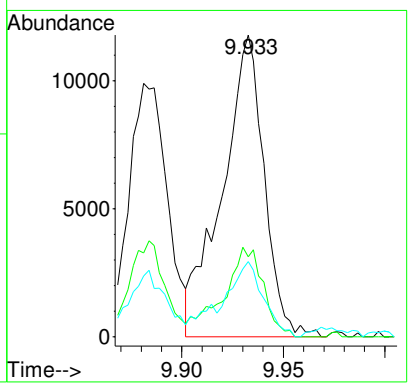


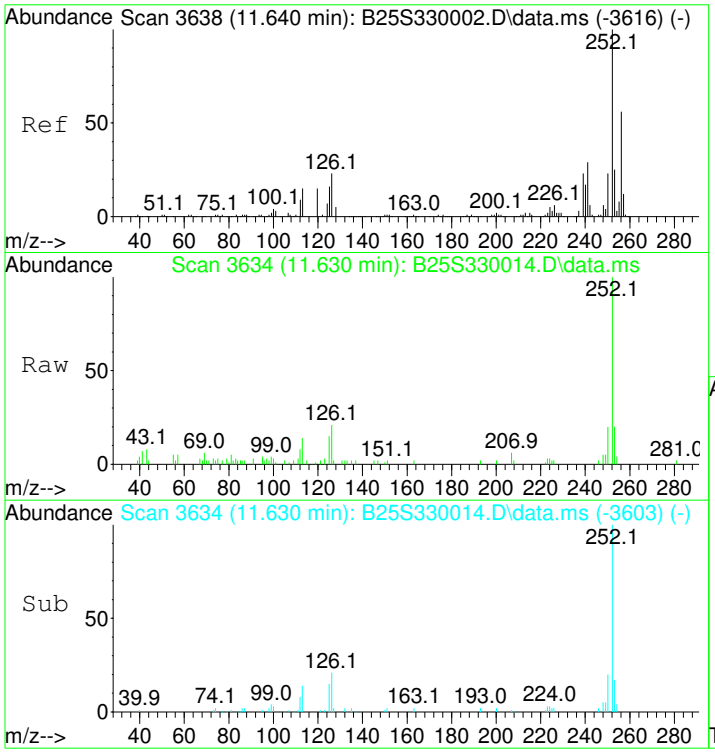


#78
Chrysene
Concen: 2.37 ug/ml
RT: 9.933 min Scan# 2974
Delta R.T. -0.020 min
Lab File: B25S330014.D
Acq: 26 Nov 2025 6:13 pm

Tgt Ion:228 Resp: 16954

Ion	Ratio	Lower	Upper
228	100		
226	28.6	8.1	48.1
229	24.8	0.0	38.9

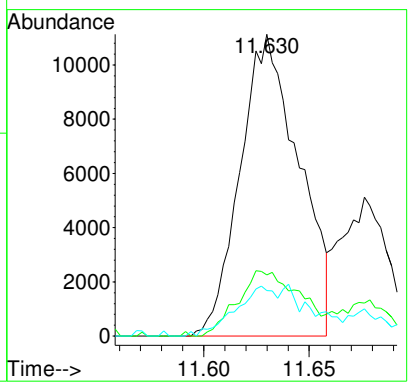


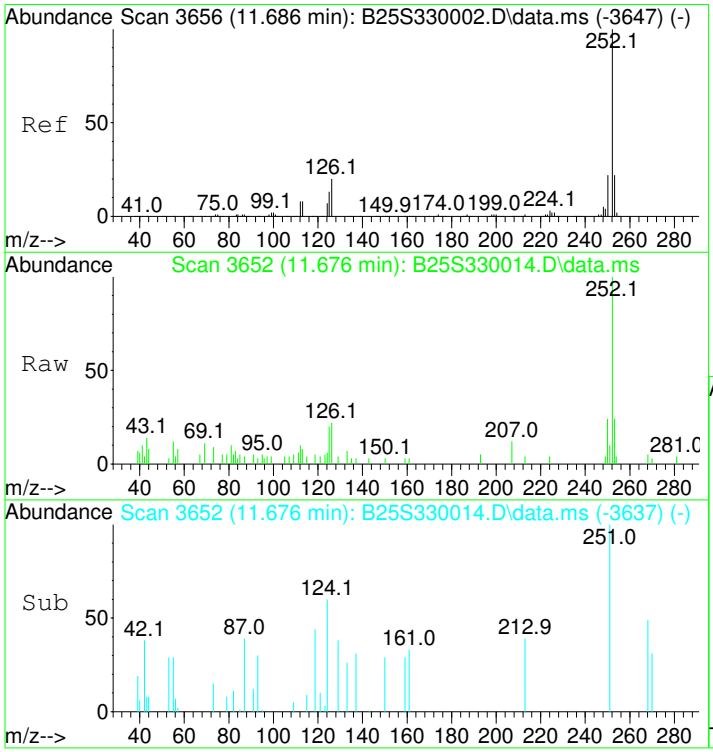


#82
Benzo(b)fluoranthene
Concen: 2.90 ug/ml
RT: 11.630 min Scan# 3634
Delta R.T. -0.023 min
Lab File: B25S330014.D
Acq: 26 Nov 2025 6:13 pm

Tgt Ion:252 Resp: 21553

Ion	Ratio	Lower	Upper
252	100		
253	23.2	2.2	42.2
125	11.4	0.0	34.5

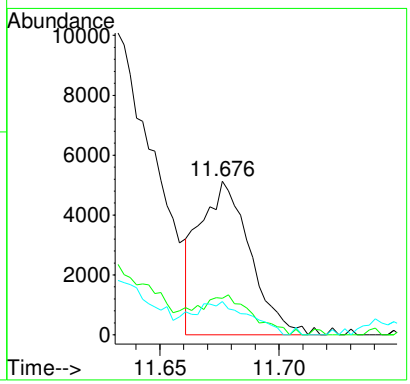


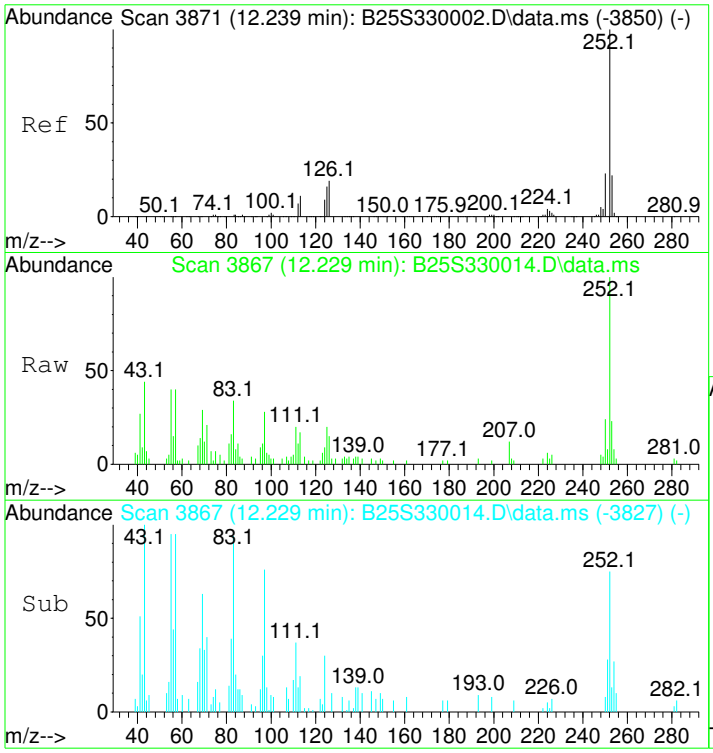


#83
Benzo(k)fluoranthene
Concen: 1.04 ug/ml
RT: 11.676 min Scan# 3652
Delta R.T. -0.028 min
Lab File: B25S330014.D
Acq: 26 Nov 2025 6:13 pm

Tgt Ion:252 Resp: 7626

Ion	Ratio	Lower	Upper
252	100		
253	28.5	0.7	40.7
126	24.4	0.0	39.4

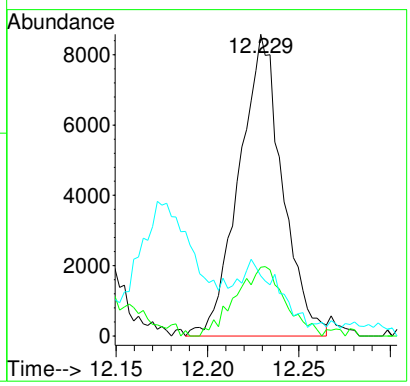


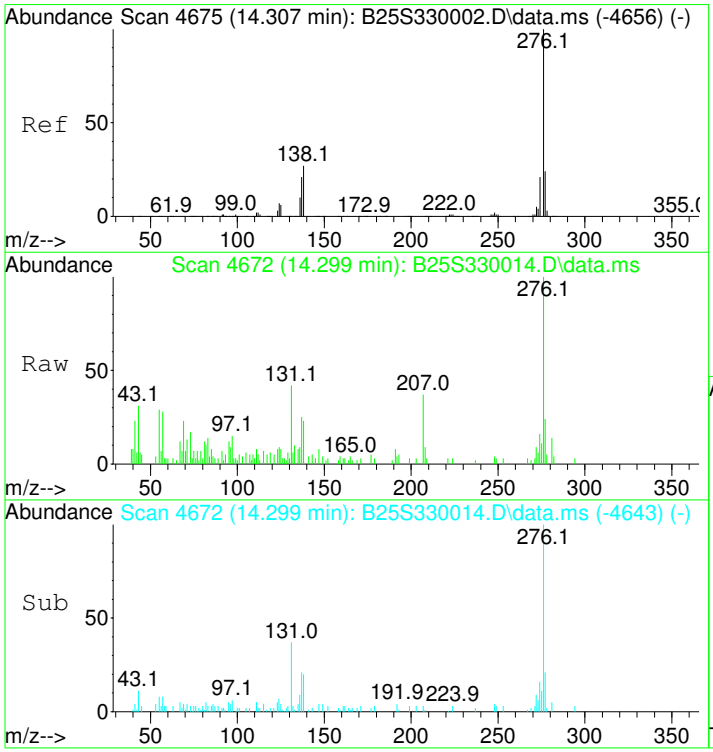


#84
Benzo(a)pyrene
Concen: 2.05 ug/ml
RT: 12.229 min Scan# 3867
Delta R.T. -0.023 min
Lab File: B25S330014.D
Acq: 26 Nov 2025 6:13 pm

Tgt Ion:252 Resp: 14087

Ion	Ratio	Lower	Upper
252	100		
253	26.3	0.4	40.4
125	18.3	0.0	34.0

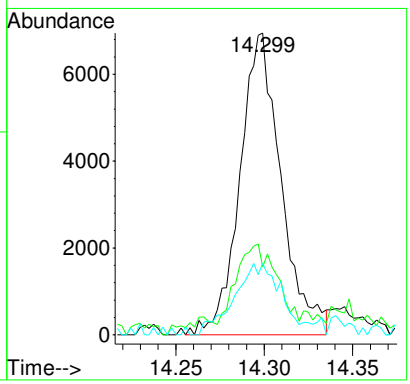


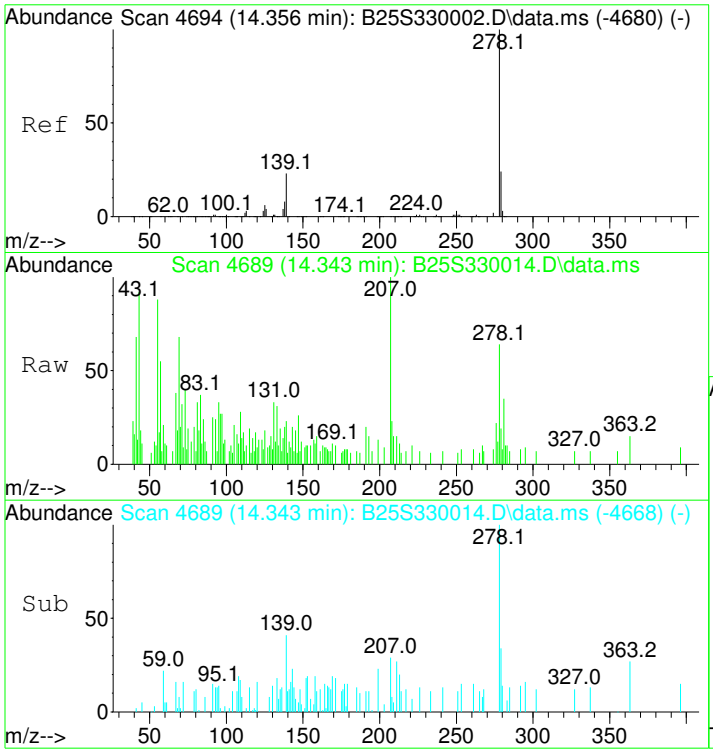


#85
Indeno(1,2,3-cd)pyrene
Concen: 1.84 ug/ml
RT: 14.299 min Scan# 4672
Delta R.T. -0.015 min
Lab File: B25S330014.D
Acq: 26 Nov 2025 6:13 pm

Tgt Ion:276 Resp: 11262

Ion	Ratio	Lower	Upper
276	100		
138	31.1	5.0	45.0
277	27.1	4.1	44.1

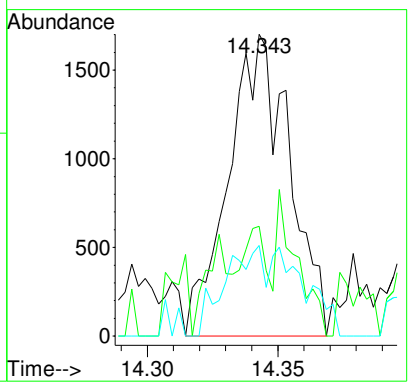


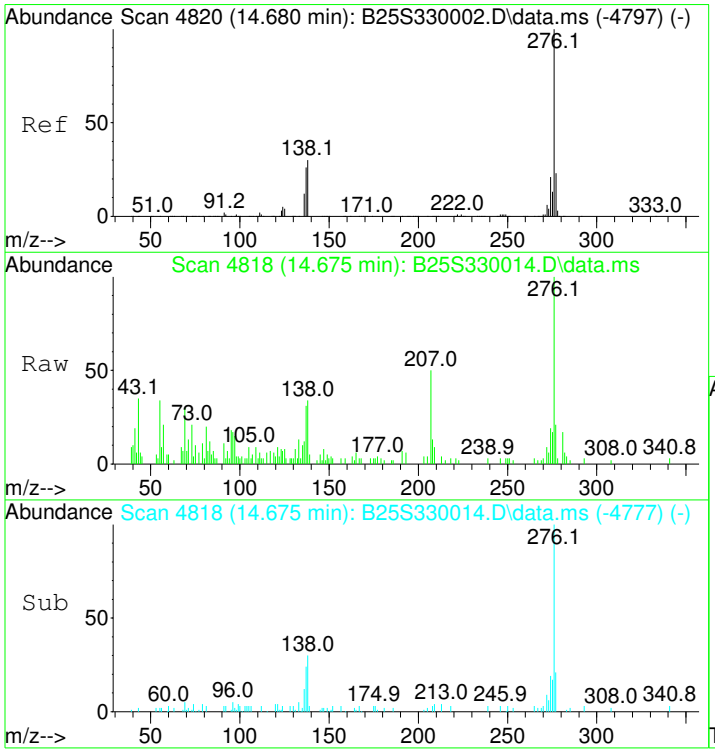


#86
Dibenz(a,h)anthracene
Concen: 0.43 ug/ml
RT: 14.343 min Scan# 4689
Delta R.T. -0.018 min
Lab File: B25S330014.D
Acq: 26 Nov 2025 6:13 pm

Tgt Ion:278 Resp: 2769

Ion	Ratio	Lower	Upper
278	100		
139	12.3	1.1	41.1
279	19.3	3.5	43.5

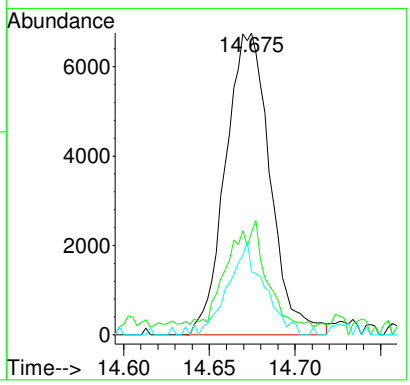


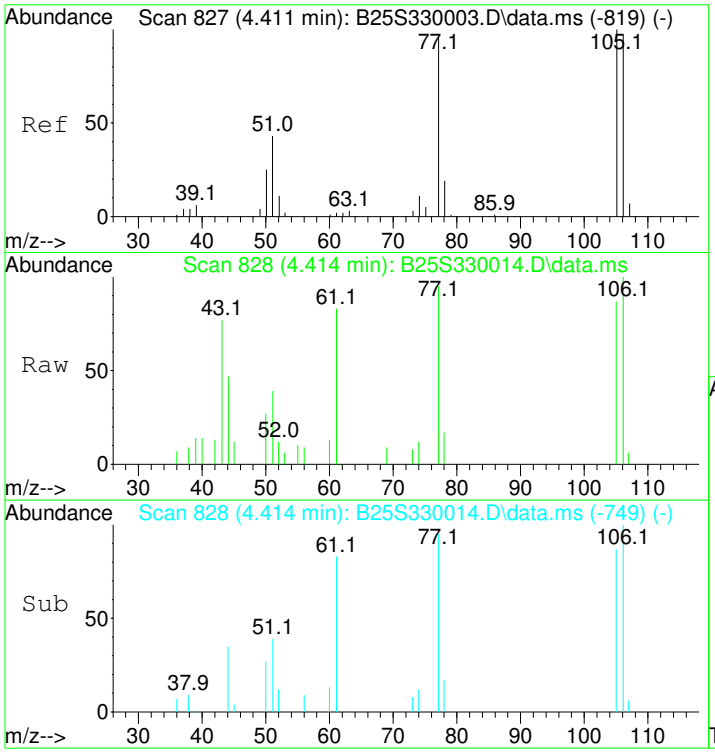


#87
Benzo(g,h,i)perylene
Concen: 1.80 ug/ml
RT: 14.675 min Scan# 4818
Delta R.T. -0.013 min
Lab File: B25S330014.D
Acq: 26 Nov 2025 6:13 pm

Tgt Ion:276 Resp: 12220

Ion	Ratio	Lower	Upper
276	100		
138	37.1	5.6	45.6
277	24.8	3.2	43.2

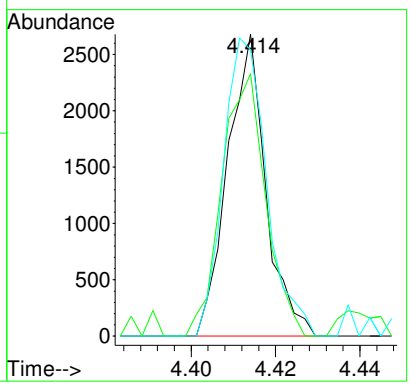




#90
Benzaldehyde
Concen: 0.86 ug/ml
RT: 4.414 min Scan# 828
Delta R.T. 0.002 min
Lab File: B25S330014.D
Acq: 26 Nov 2025 6:13 pm

Tgt Ion:106 Resp: 1679

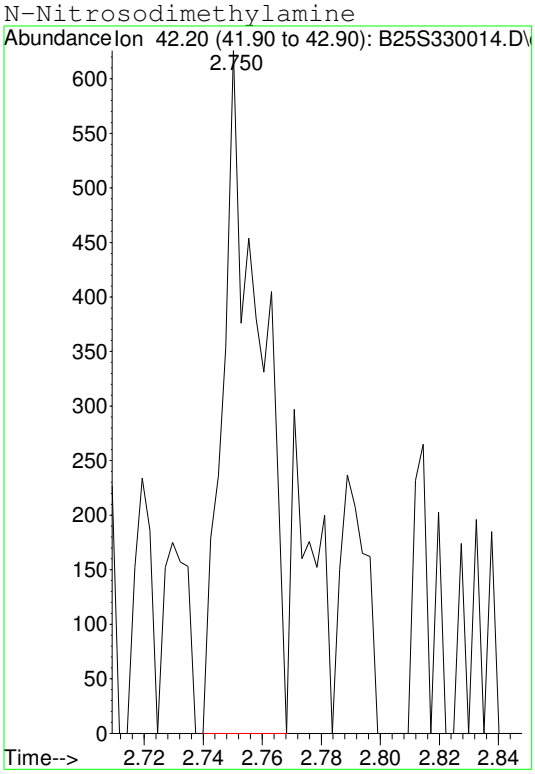
Ion	Ratio	Lower	Upper
106	100		
105	100.1	79.4	119.2
77	111.6	81.3	121.9



Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330014.D
Acq On : 26 Nov 2025 6:13 pm
Operator : BGL
Sample : 25K1213-14RE1
Misc :

Quant Time : Sun Nov 30 10:29:16 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
N-Nitrosodimethylamine



Original Int. Results

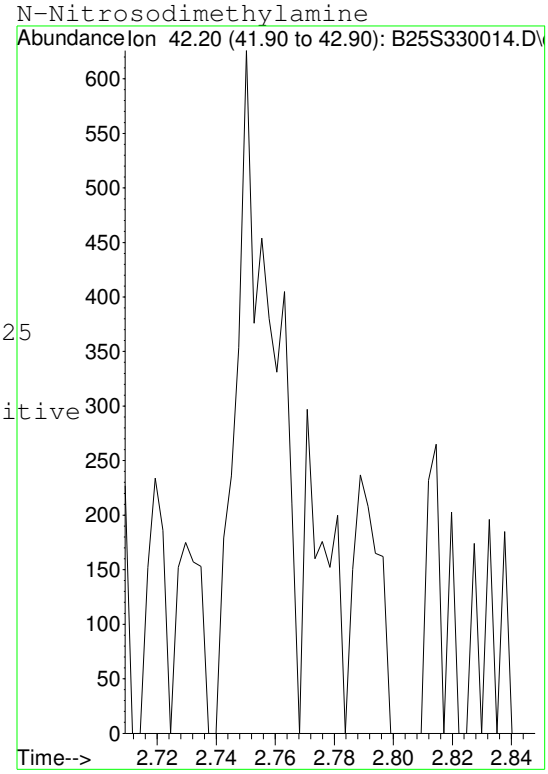
RT : 2.75
Area : 548
Amount: 0.522458

Manual Int. Results

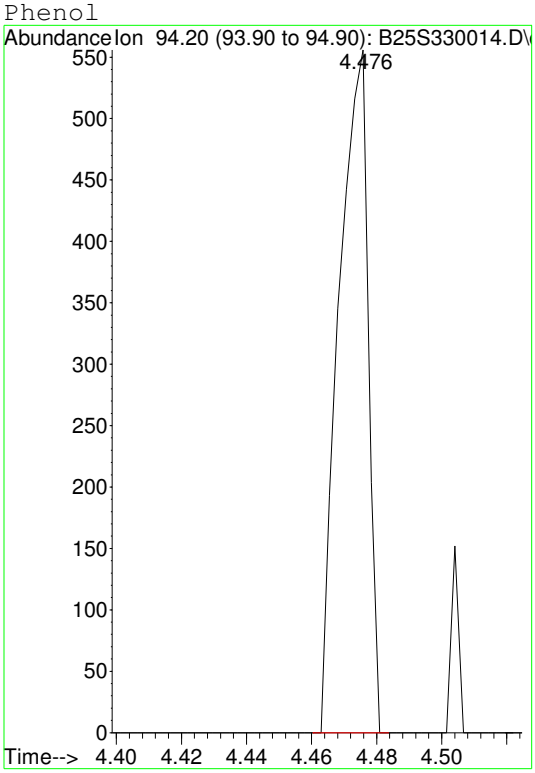
Sun Nov 30 10:28:11 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
N-Nitrosodimethylamine



Original Integration
Phenol



Original Int. Results

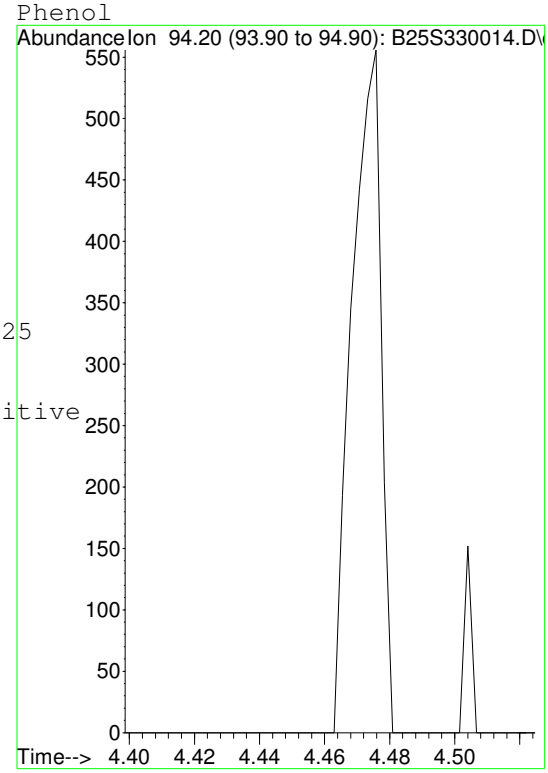
RT : 4.48
Area : 348
Amount: 0.117107

Manual Int. Results

Sun Nov 30 10:28:11 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

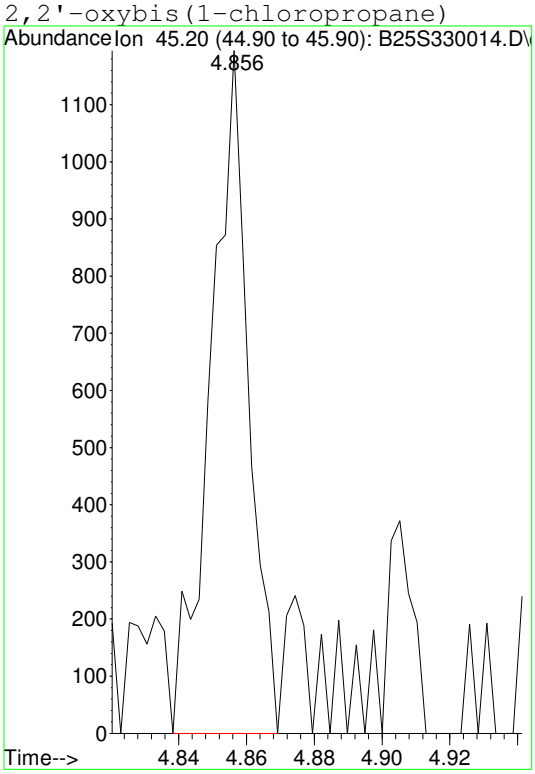
Manual Integration
Phenol



Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330014.D
Acq On : 26 Nov 2025 6:13 pm
Operator : BGL
Sample : 25K1213-14RE1
Misc :

Quant Time : Sun Nov 30 10:29:16 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
2,2'-oxybis(1-chloropropane)



Original Int. Results

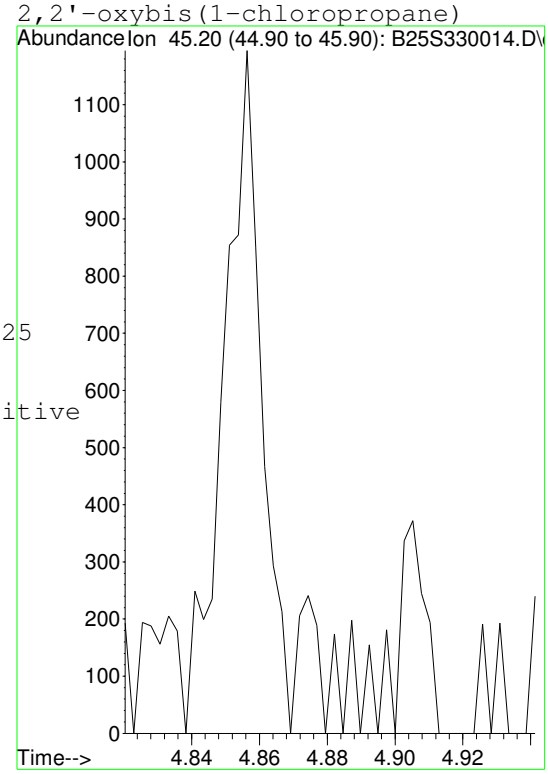
RT : 4.86
Area : 927
Amount: 0.378315

Manual Int. Results

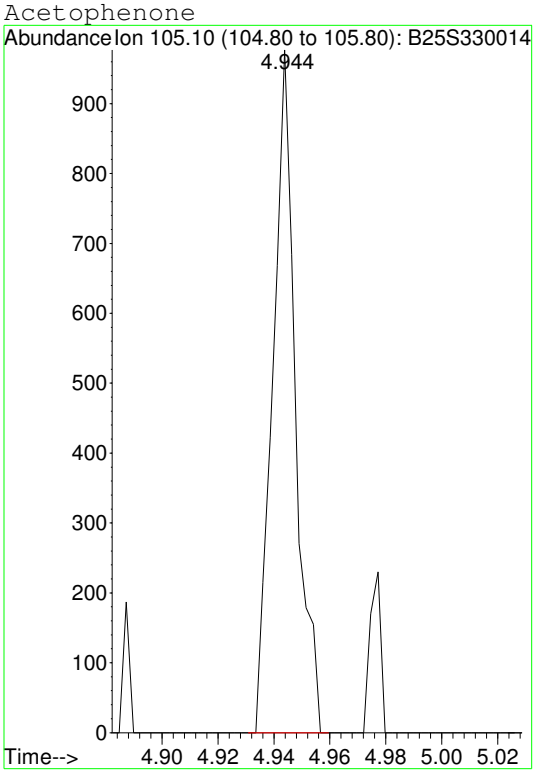
Sun Nov 30 10:28:11 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2,2'-oxybis(1-chloropropane)



Original Integration
Acetophenone



Original Int. Results

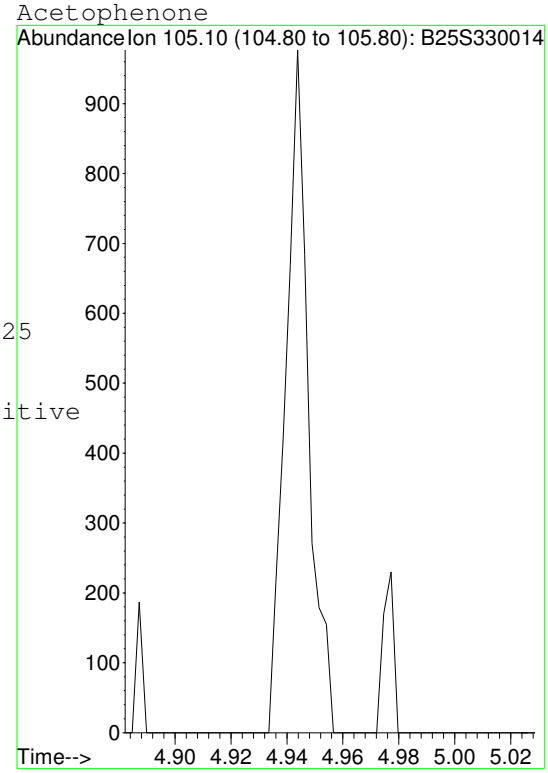
RT : 4.94
Area : 551
Amount: 0.181428

Manual Int. Results

Sun Nov 30 10:28:18 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

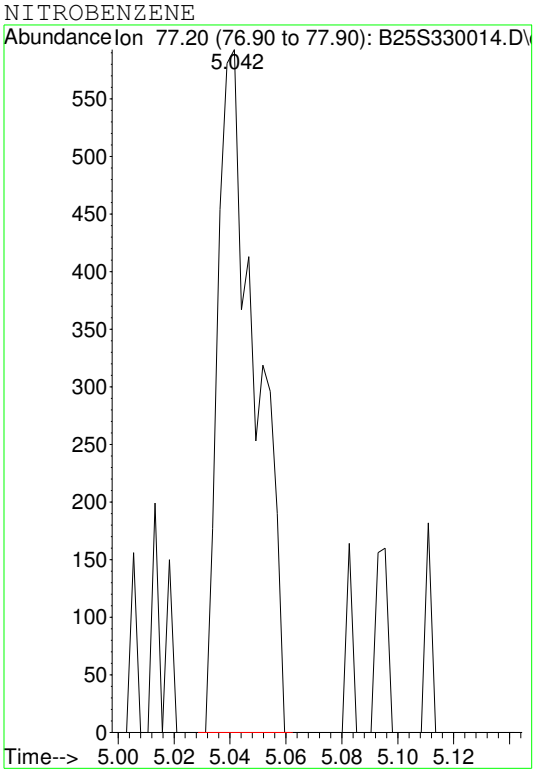
Manual Integration
Acetophenone



Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330014.D
Acq On : 26 Nov 2025 6:13 pm
Operator : BGL
Sample : 25K1213-14RE1
Misc :

Quant Time : Sun Nov 30 10:29:16 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
NITROBENZENE



Original Int. Results

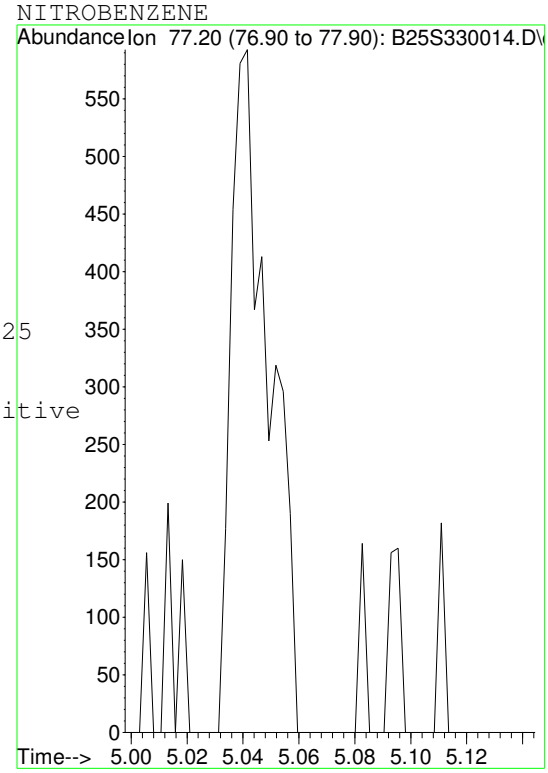
RT : 5.04
Area : 562
Amount: 0.239491

Manual Int. Results

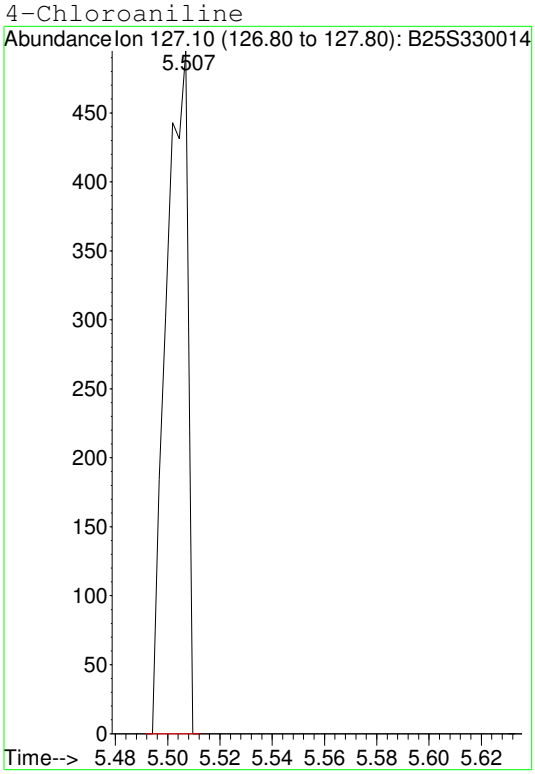
Sun Nov 30 10:28:11 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
NITROBENZENE



Original Integration
4-Chloroaniline



Original Int. Results

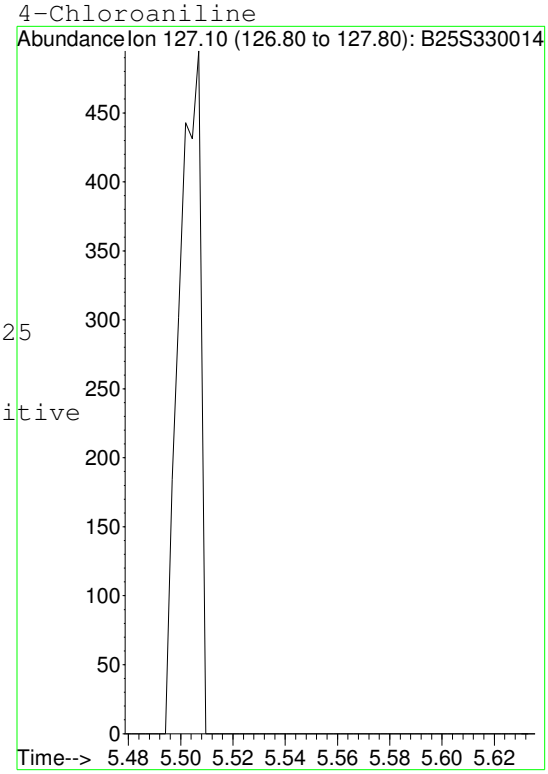
RT : 5.51
Area : 286
Amount: 0.10303

Manual Int. Results

Sun Nov 30 10:28:10 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

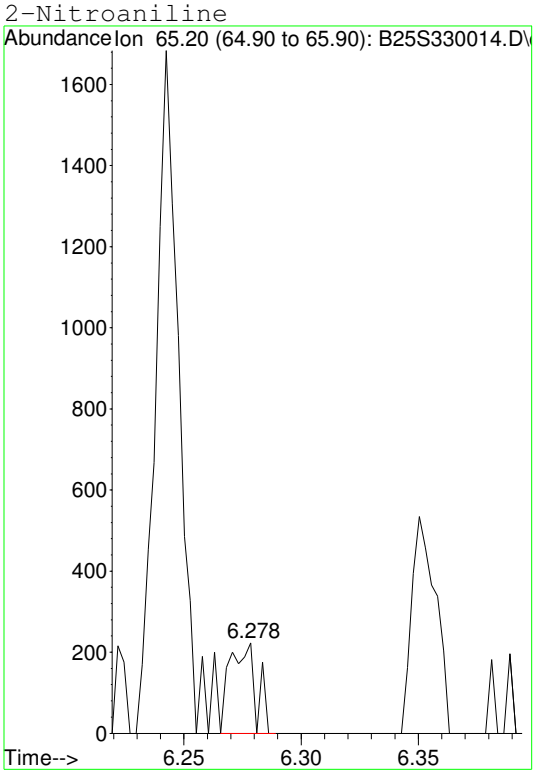
Manual Integration
4-Chloroaniline



Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330014.D
Acq On : 26 Nov 2025 6:13 pm
Operator : BGL
Sample : 25K1213-14RE1
Misc :

Quant Time : Sun Nov 30 10:29:16 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
2-Nitroaniline



Original Int. Results

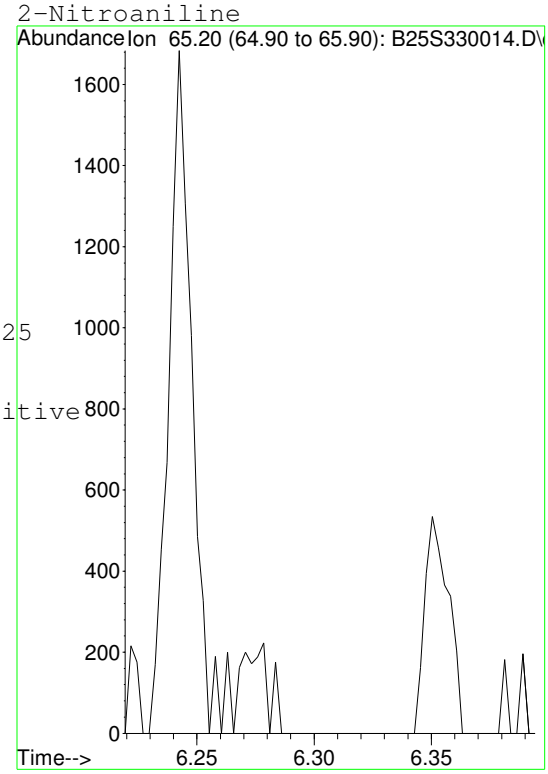
RT : 6.28
Area : 173
Amount: 0.165782

Manual Int. Results

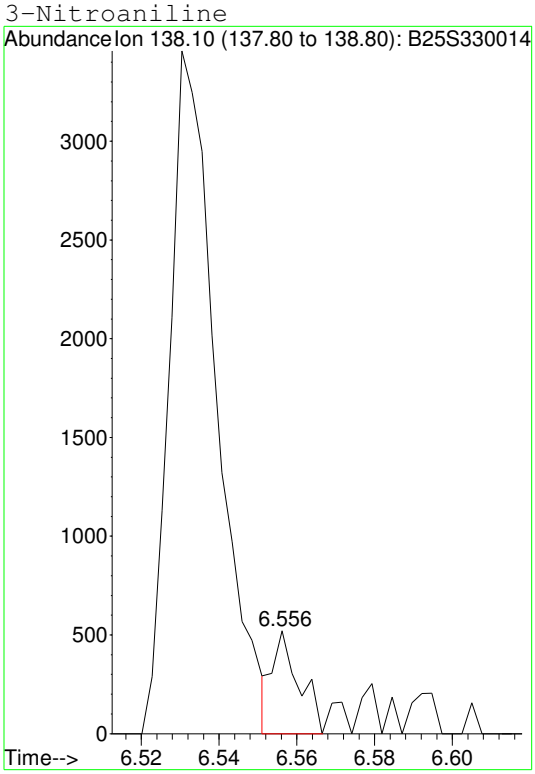
Sun Nov 30 10:28:26 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2-Nitroaniline



Original Integration
3-Nitroaniline



Original Int. Results

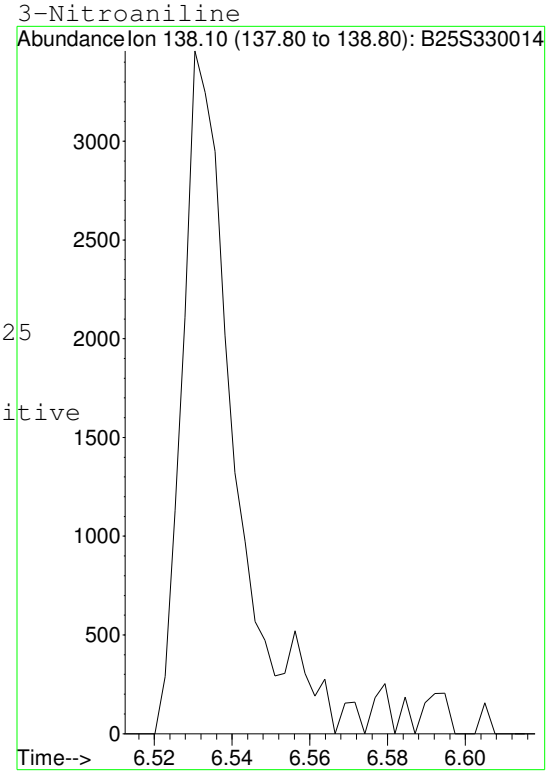
RT : 6.56
Area : 247
Amount: 0.241193

Manual Int. Results

Sun Nov 30 10:28:25 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

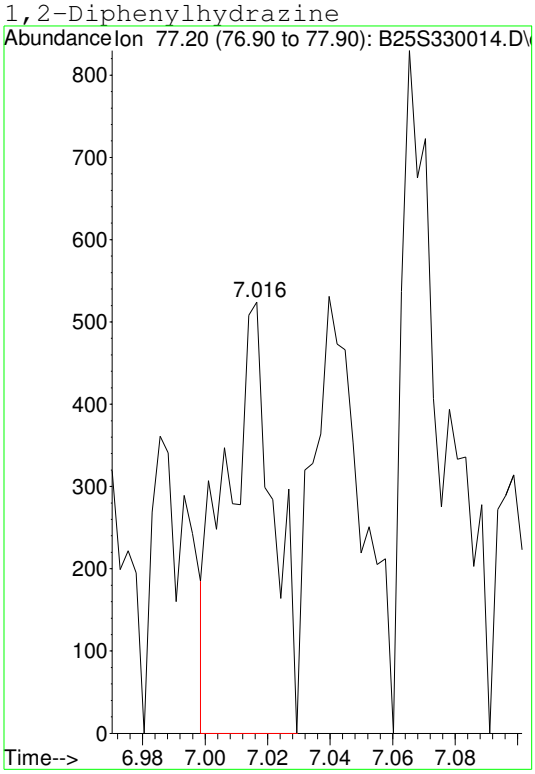
Manual Integration
3-Nitroaniline



Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330014.D
Acq On : 26 Nov 2025 6:13 pm
Operator : BGL
Sample : 25K1213-14RE1
Misc :

Quant Time : Sun Nov 30 10:29:16 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
1,2-Diphenylhydrazine



Original Int. Results

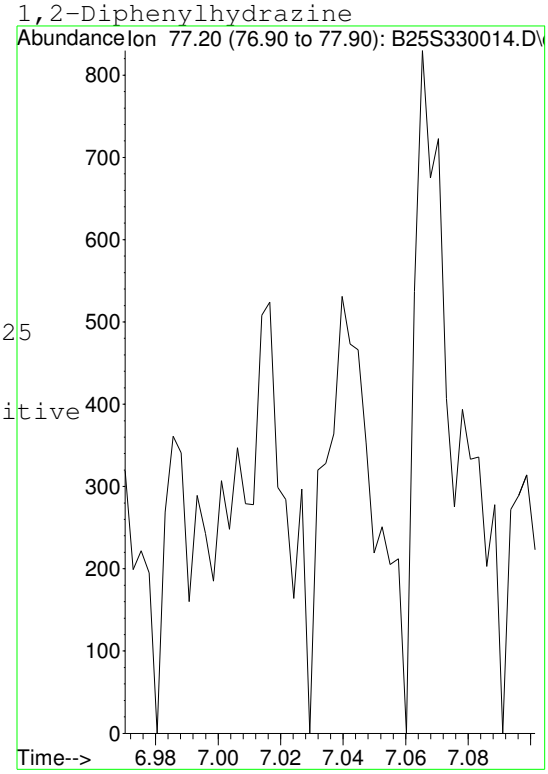
RT : 7.02
Area : 546
Amount: 0.130748

Manual Int. Results

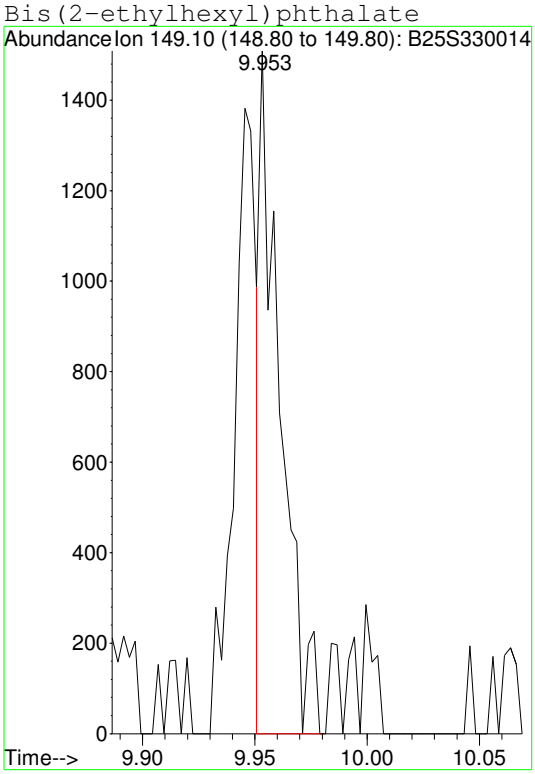
Sun Nov 30 10:28:40 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,2-Diphenylhydrazine



Original Integration
Bis(2-ethylhexyl)phthalate



Original Int. Results

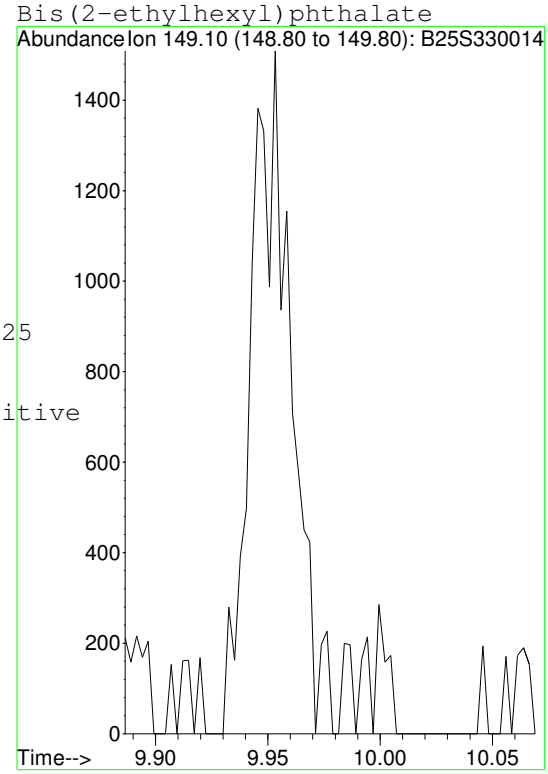
RT : 9.95
Area : 955
Amount: 0.290766

Manual Int. Results

Sun Nov 30 10:28:54 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

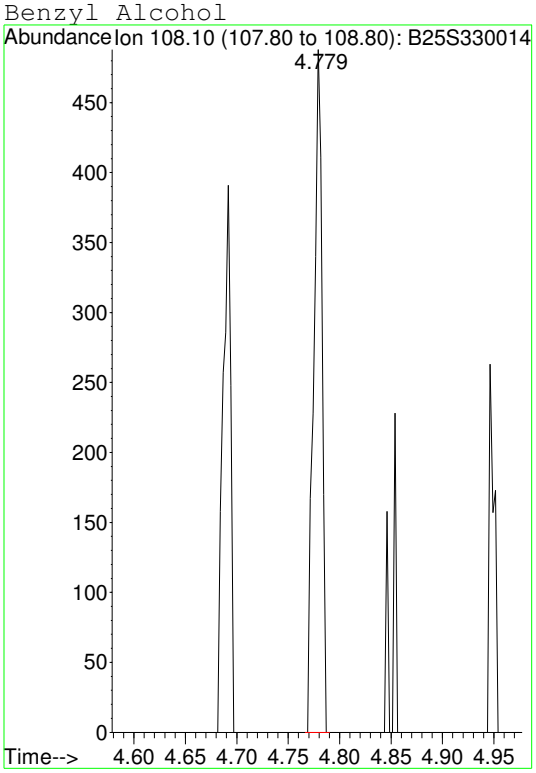
Manual Integration
Bis(2-ethylhexyl)phthalate



Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330014.D
Acq On : 26 Nov 2025 6:13 pm
Operator : BGL
Sample : 25K1213-14RE1
Misc :

Quant Time : Sun Nov 30 10:29:16 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Benzyl Alcohol



Original Int. Results

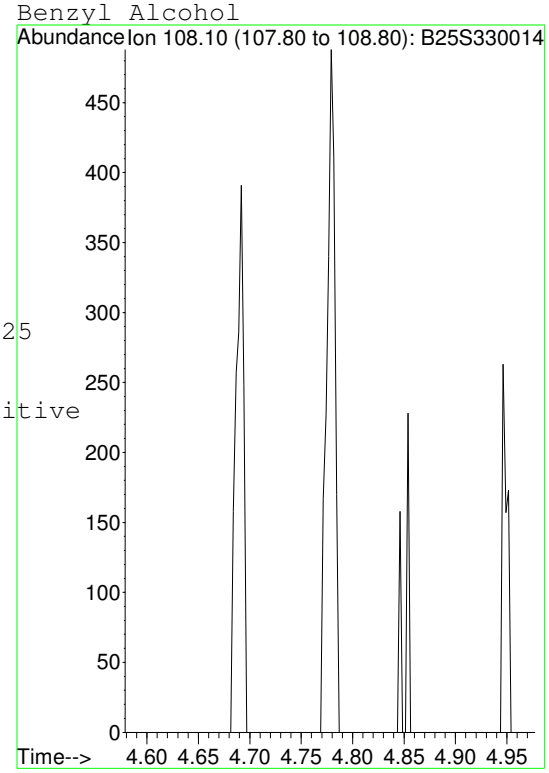
RT : 4.78
Area : 278
Amount: 0.198246

Manual Int. Results

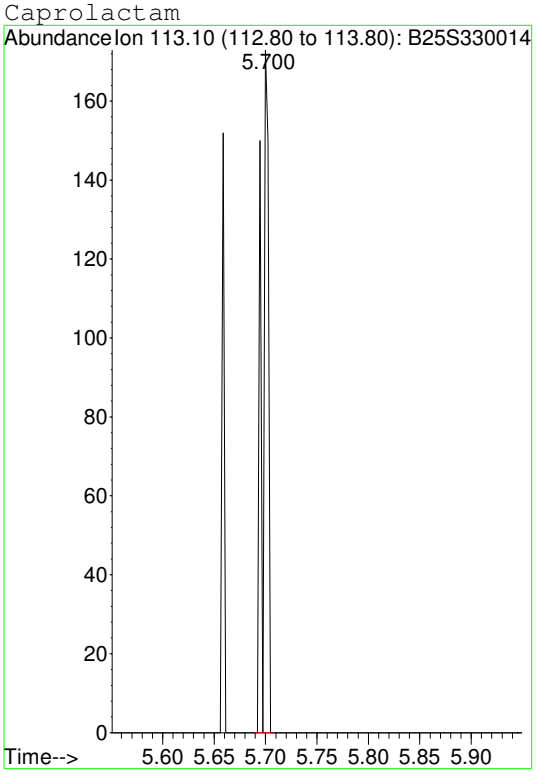
Sun Nov 30 10:29:12 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Benzyl Alcohol



Original Integration
Caprolactam



Original Int. Results

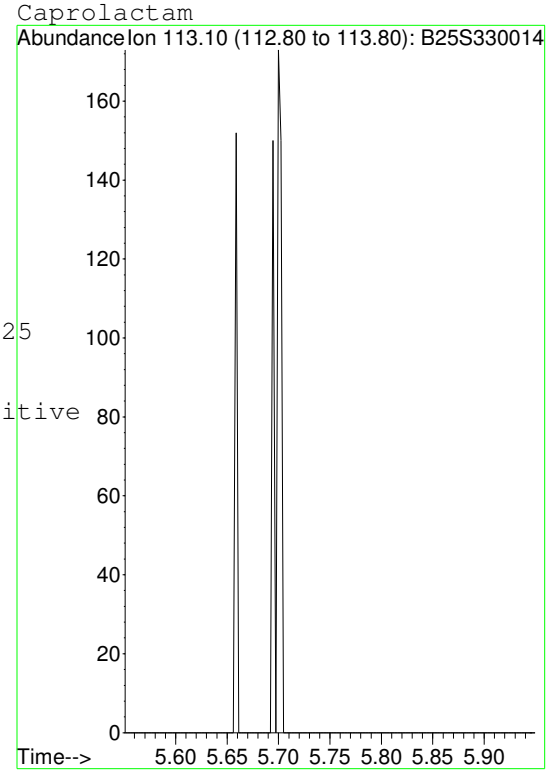
RT : 5.70
Area : 73
Amount: 0.10178

Manual Int. Results

Sun Nov 30 10:29:16 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Caprolactam



1 - FORM I
ANALYSIS DATA SHEET

Dup-1

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-15	File ID:	B25S328046.D
Sampled:	11/17/25 00:00	Prepared:	11/20/25 15:25	Analyzed:	11/25/25 03:27
Solids:	75.06	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	15.1 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833
Instrument:	GCMSSV2				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol		0.13	1.8	
1912-24-9	Atrazine		0.12	1.8	
100-52-7	Benzaldehyde		0.12	0.90	L-04, V-05, V-34
92-52-4	Biphenyl		0.10	0.18	
105-60-2	Caprolactam		0.16	0.90	
83-32-9	Acenaphthene		0.0098	0.087	
208-96-8	Acenaphthylene	0.041	0.011	0.087	J
98-86-2	Acetophenone		0.094	0.90	
62-53-3	Aniline		0.17	0.90	V-34
120-12-7	Anthracene	0.023	0.010	0.087	J
56-55-3	Benzo(a)anthracene	0.16	0.014	0.087	
50-32-8	Benzo(a)pyrene	0.18	0.029	0.087	
205-99-2	Benzo(b)fluoranthene	0.23	0.022	0.087	
191-24-2	Benzo(g,h,i)perylene	0.14	0.035	0.087	
207-08-9	Benzo(k)fluoranthene	0.079	0.018	0.087	J
111-91-1	Bis(2-chloroethoxy)methane		0.091	0.90	
111-44-4	Bis(2-chloroethyl)ether		0.12	0.90	
108-60-1	2,2'-oxybis(1-Chloropropane)		0.36	0.90	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.12	0.90	
101-55-3	4-Bromophenylphenylether		0.079	0.90	
85-68-7	Butylbenzylphthalate		0.10	0.90	
86-74-8	Carbazole		0.093	0.45	
106-47-8	4-Chloroaniline		0.14	1.7	
59-50-7	4-Chloro-3-methylphenol		0.094	1.7	
91-58-7	2-Chloronaphthalene		0.079	0.90	
95-57-8	2-Chlorophenol		0.079	0.90	
7005-72-3	4-Chlorophenylphenylether		0.083	0.90	
218-01-9	Chrysene	0.19	0.011	0.087	
53-70-3	Dibenz(a,h)anthracene		0.039	0.087	

1 - FORM I
ANALYSIS DATA SHEET

Dup-1

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-15	File ID:	B25S328046.D
Sampled:	11/17/25 00:00	Prepared:	11/20/25 15:25	Analyzed:	11/25/25 03:27
Solids:	75.06	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	15.1 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833
				Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
132-64-9	Dibenzofuran		0.088	0.90	
84-74-2	Di-n-butylphthalate		0.35	0.90	
91-94-1	3,3-Dichlorobenzidine		0.16	0.45	
120-83-2	2,4-Dichlorophenol		0.084	0.90	
84-66-2	Diethylphthalate		0.087	0.90	
105-67-9	2,4-Dimethylphenol		0.19	0.90	
131-11-3	Dimethylphthalate		0.080	0.90	
534-52-1	4,6-Dinitro-2-methylphenol		0.74	0.90	
51-28-5	2,4-Dinitrophenol		0.84	1.7	V-04, V-06
121-14-2	2,4-Dinitrotoluene		0.21	0.90	
606-20-2	2,6-Dinitrotoluene		0.11	0.90	
117-84-0	Di-n-octylphthalate		0.13	0.90	
206-44-0	Fluoranthene	0.26	0.012	0.087	
86-73-7	Fluorene		0.011	0.087	
118-74-1	Hexachlorobenzene		0.091	0.90	
87-68-3	Hexachlorobutadiene		0.092	0.90	
77-47-4	Hexachlorocyclopentadiene		0.45	0.90	
67-72-1	Hexachloroethane		0.081	0.90	
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	0.036	0.087	
78-59-1	Isophorone		0.096	0.90	
90-12-0	1-Methylnaphthalene		0.011	0.087	
91-57-6	2-Methylnaphthalene	0.013	0.010	0.087	J
95-48-7	2-Methylphenol		0.11	0.90	
108-39-4/106-44	3/4-Methylphenol		0.15	0.90	
91-20-3	Naphthalene	0.019	0.013	0.087	J
88-74-4	2-Nitroaniline		0.14	0.90	
99-09-2	3-Nitroaniline		0.12	0.90	
100-01-6	4-Nitroaniline		0.13	0.90	
98-95-3	Nitrobenzene		0.10	0.90	

1 - FORM I
ANALYSIS DATA SHEET

Dup-1

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-15	File ID:	B25S328046.D
Sampled:	11/17/25 00:00	Prepared:	11/20/25 15:25	Analyzed:	11/25/25 03:27
Solids:	75.06	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	15.1 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833
Instrument:	GCMSSV2				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
88-75-5	2-Nitrophenol		0.092	0.90	
100-02-7	4-Nitrophenol		0.35	1.7	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.12	0.90	
621-64-7	N-Nitrosodi-n-propylamine		0.11	0.90	
87-86-5	Pentachlorophenol		0.11	0.90	
85-01-8	Phenanthrene	0.067	0.0090	0.087	J
108-95-2	Phenol		0.085	0.90	
129-00-0	Pyrene	0.33	0.015	0.087	
110-86-1	Pyridine		0.11	0.90	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.086	0.90	
95-95-4	2,4,5-Trichlorophenol		0.091	0.90	
88-06-2	2,4,6-Trichlorophenol		0.079	0.90	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328046.D
Acq On : 25 Nov 2025 3:27 am
Operator : BGL
Sample : 25K1213-15 Inst : GCMSSV2
Misc :
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Nov 25 03:43:21 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

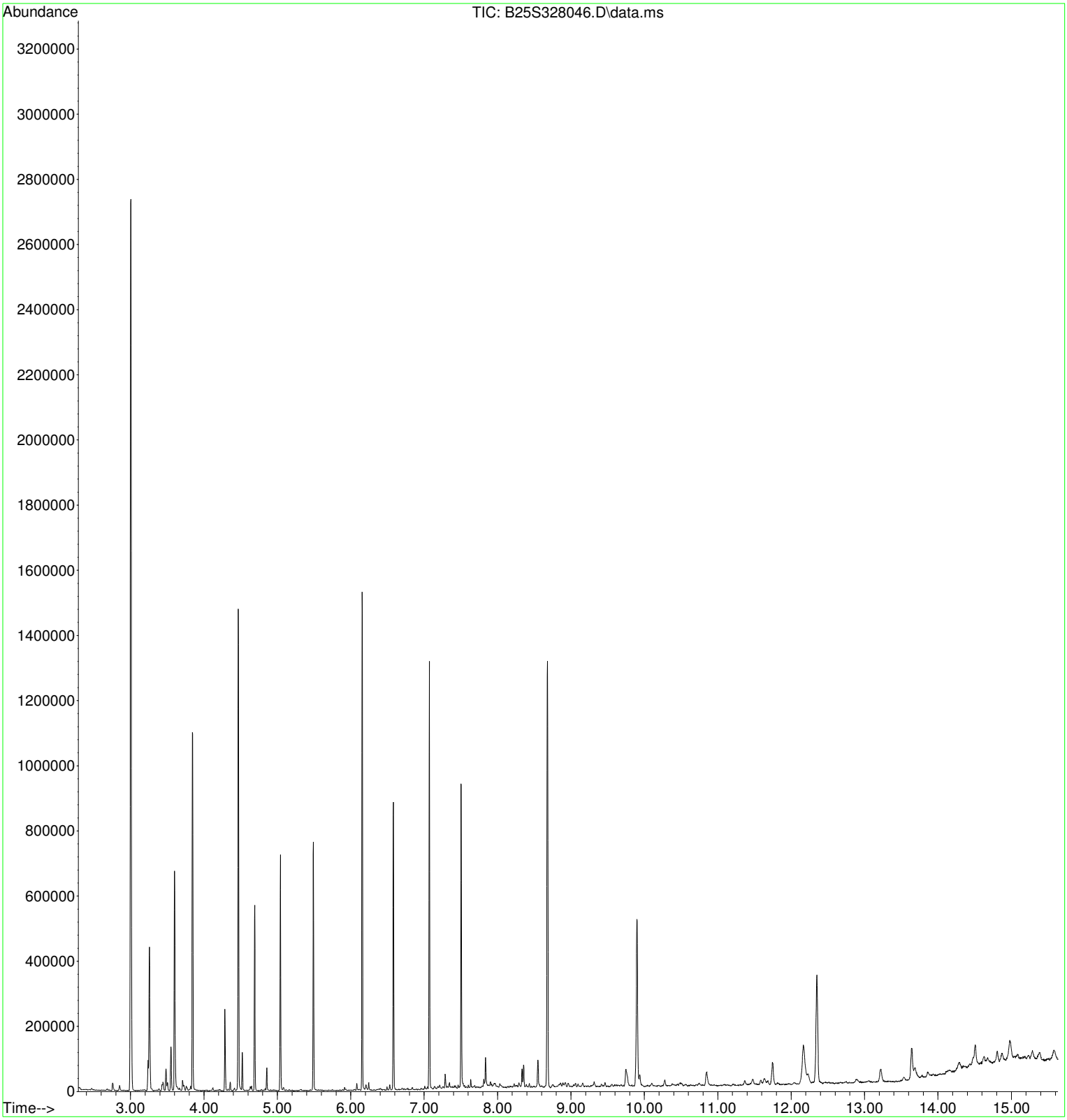
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.692	152	63182	40.00	ug/ml	-0.01
19) NAPHTHALENE-d8	5.491	136	245216	40.00	ug/ml	-0.01
35) ACENAPHTHENE-D10	6.582	164	134023	40.00	ug/ml	-0.01
58) PHENANTHRENE-D10	7.505	188	230371	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.899	240	207698	40.00	ug/ml	-0.02
80) PERYLENE-D12	12.350	264	189809	40.00	ug/ml	-0.01
88) 1,4-Dichlorobenzene-D4...	4.692	152	63182	40.00	ug/ml	-0.01
92) NAPHTHALENE-d8 (2)	5.491	136	245216	40.00	ug/ml	-0.01
95) ACENAPHTHENE-D10 (2)	6.582	164	134023	40.00	ug/ml	-0.01
System Monitoring Compounds						
2) 2-Fluorophenol	3.846	112	236394	133.92	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 66.96%			
3) Phenol-d6	4.468	99	385081	132.30	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 66.15%			
20) Nitrobenzene-d5	5.041	82	163535	67.01	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 67.01%			
36) 2-Fluorobiphenyl	6.155	172	318803	72.05	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 72.05%			
37) 2,4,6-Tribromophenol	7.073	330	96304	161.80	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 80.90%			
72) p-Terphenyl-d14	8.680	244	368714	85.72	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 85.72%			
Target Compounds						Qvalue
26) Benzoic Acid	5.314	122	623m	0.51	ug/ml	
29) Naphthalene	5.504	128	1388	0.21	ug/ml	97
33) 2-MethylNaphthalene	5.931	142	708	0.15	ug/ml	91
47) Acenaphthylene	6.494	152	3032	0.47	ug/ml	95
66) Phenanthrene	7.518	178	5471	0.76	ug/ml	92
67) Anthracene	7.551	178	1898	0.26	ug/ml	94
70) Flouranthene	8.354	202	20716	2.91	ug/ml	98
74) Pyrene	8.549	202	28308	3.72	ug/ml	99
77) Benzo(a)anthracene	9.886	228	12533	1.79	ug/ml	82
78) Chrysene	9.933	228	15322	2.21	ug/ml	94
82) Benzo(b)fluoranthene	11.640	252	15005m	2.58	ug/ml	
83) Benzo(k)fluoranthene	11.684	252	5141	0.89	ug/ml	83
84) Benzo(a)pyrene	12.237	252	10979	2.03	ug/ml	90
85) Indeno(1,2,3-cd)pyrene	14.302	276	7445	1.55	ug/ml	86
86) Dibenz(a,h)anthracene	14.343	278	2220	0.44	ug/ml	82
87) Benzo(g,h,i)perylene	14.677	276	8289	1.56	ug/ml	80
90) Benzaldehyde	4.414	106	1097	0.52	ug/ml	84

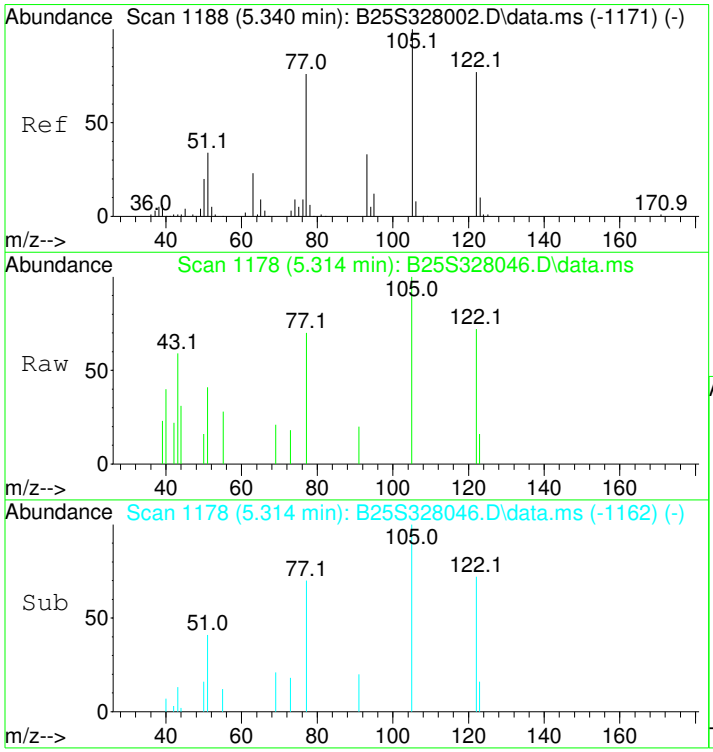
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328046.D
Acq On : 25 Nov 2025 3:27 am
Operator : BGL
Sample : 25K1213-15 Inst : GCMSSV2
Misc :
ALS Vial : 46 Sample Multiplier: 1

459

Quant Time: Nov 25 03:43:21 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

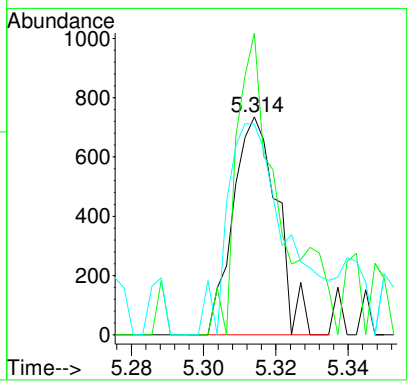


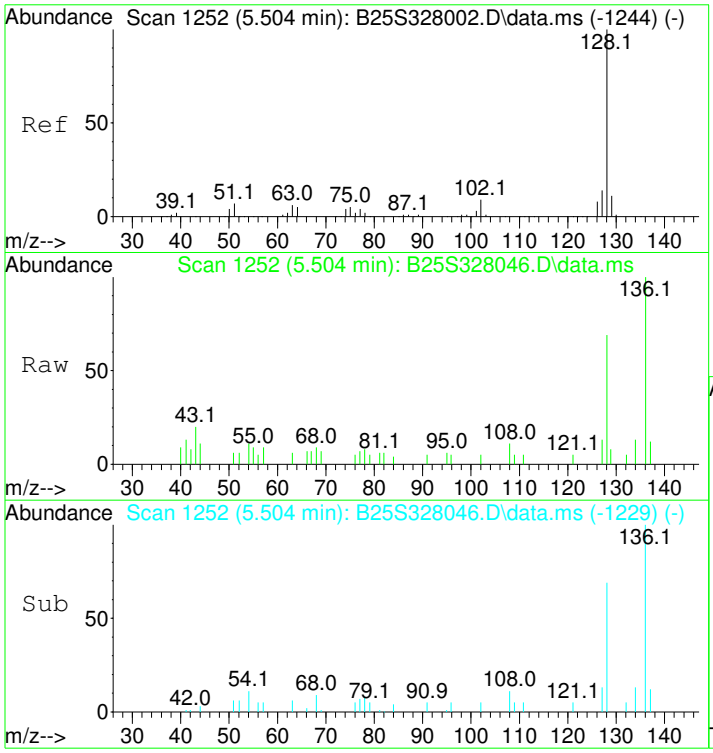


#26
Benzoic Acid
Concen: 0.51 ug/ml m
RT: 5.314 min Scan# 1178
Delta R.T. -0.026 min
Lab File: B25S328046.D
Acq: 25 Nov 2025 3:27 am

Tgt Ion:122 Resp: 623

Ion	Ratio	Lower	Upper
122	100		
105	13.0	95.4	135.4#
77	21.8	64.2	104.2#

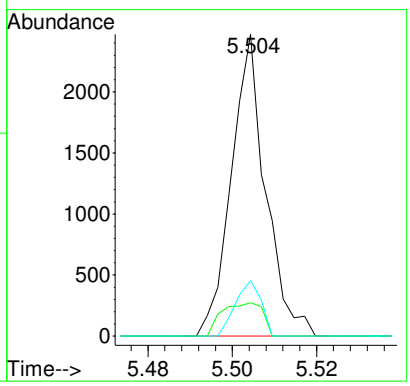


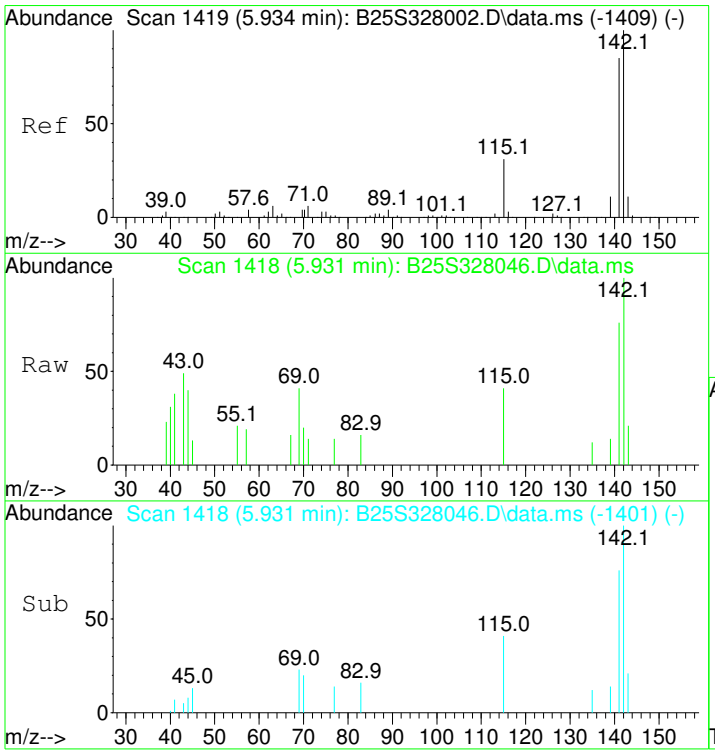


#29
Naphthalene
Concen: 0.21 ug/ml
RT: 5.504 min Scan# 1252
Delta R.T. -0.013 min
Lab File: B25S328046.D
Acq: 25 Nov 2025 3:27 am

Tgt Ion:128 Resp: 1388

Ion	Ratio	Lower	Upper
128	100		
129	13.2	0.0	31.1
127	13.8	0.0	34.2

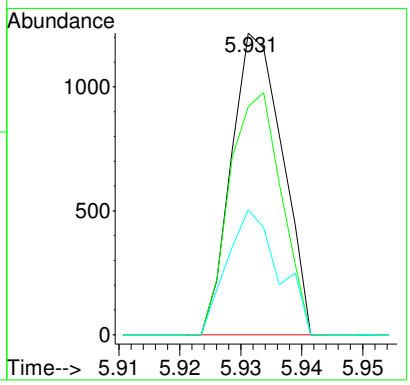


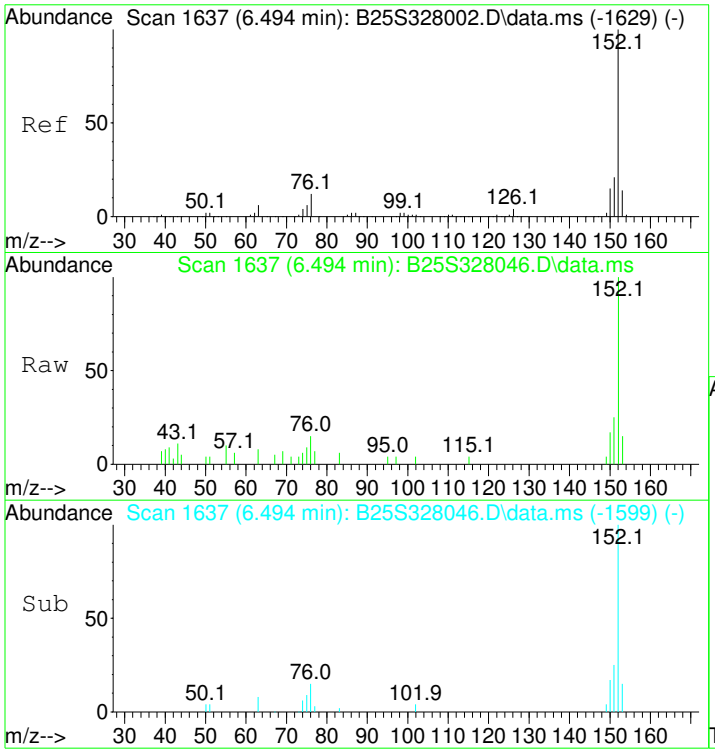


#33
2-MethylNaphthalene
Concen: 0.15 ug/ml
RT: 5.931 min Scan# 1418
Delta R.T. -0.013 min
Lab File: B25S328046.D
Acq: 25 Nov 2025 3:27 am

Tgt Ion:142 Resp: 708

Ion	Ratio	Lower	Upper
142	100		
141	81.2	66.6	106.6
115	41.9	12.6	52.6

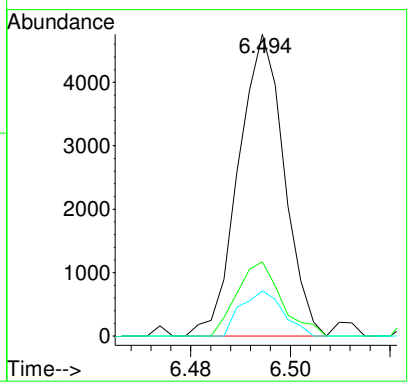


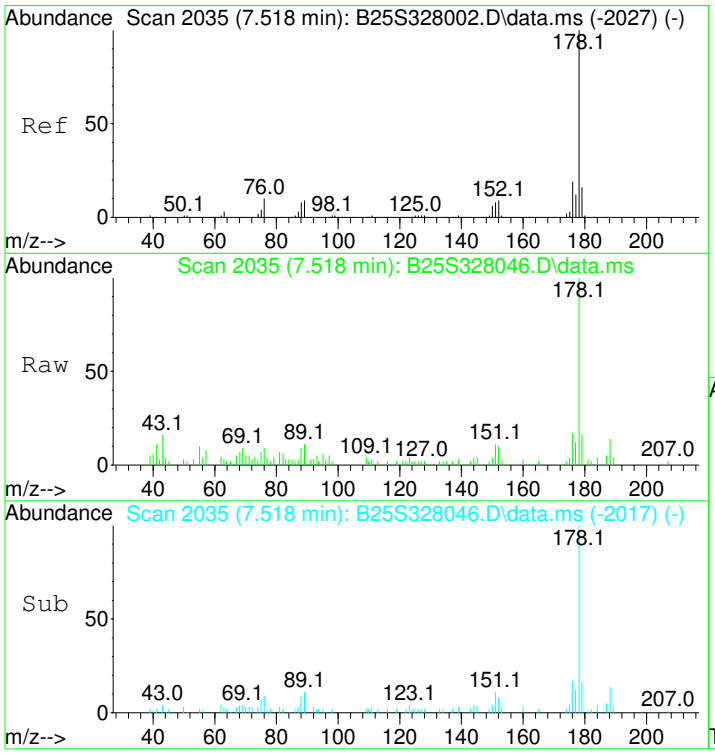


#47
Acenaphthylene
Concen: 0.47 ug/ml
RT: 6.494 min Scan# 1637
Delta R.T. -0.010 min
Lab File: B25S328046.D
Acq: 25 Nov 2025 3:27 am

Tgt Ion:152 Resp: 3032

Ion	Ratio	Lower	Upper
152	100		
151	24.0	1.0	41.0
153	13.9	0.0	33.1

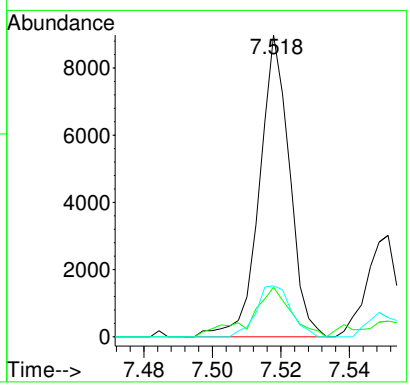


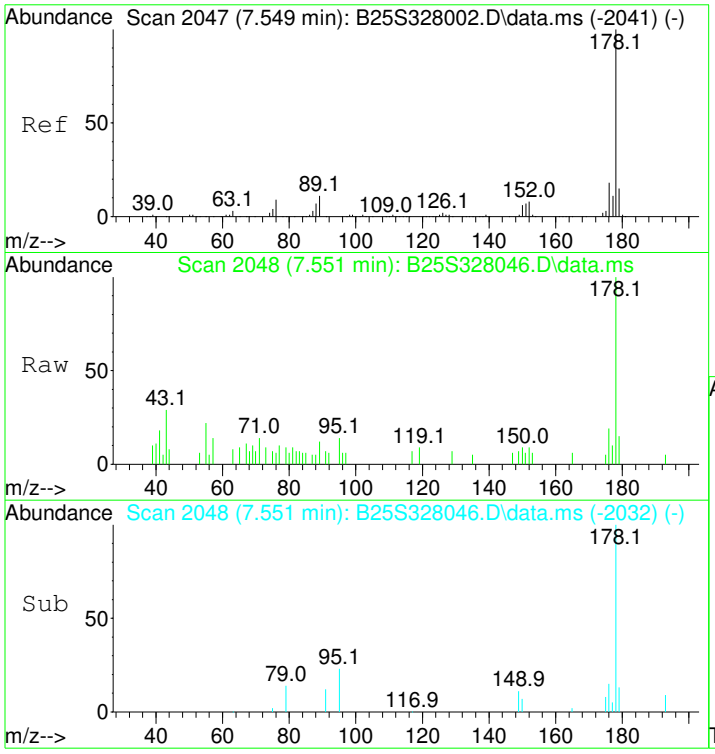


#66
Phenanthrene
Concen: 0.76 ug/ml
RT: 7.518 min Scan# 2035
Delta R.T. -0.010 min
Lab File: B25S328046.D
Acq: 25 Nov 2025 3:27 am

Tgt Ion:178 Resp: 5471

Ion	Ratio	Lower	Upper
178	100		
179	22.1	0.0	35.5
176	19.5	0.0	39.0

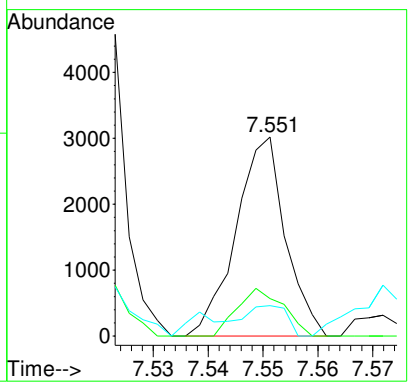


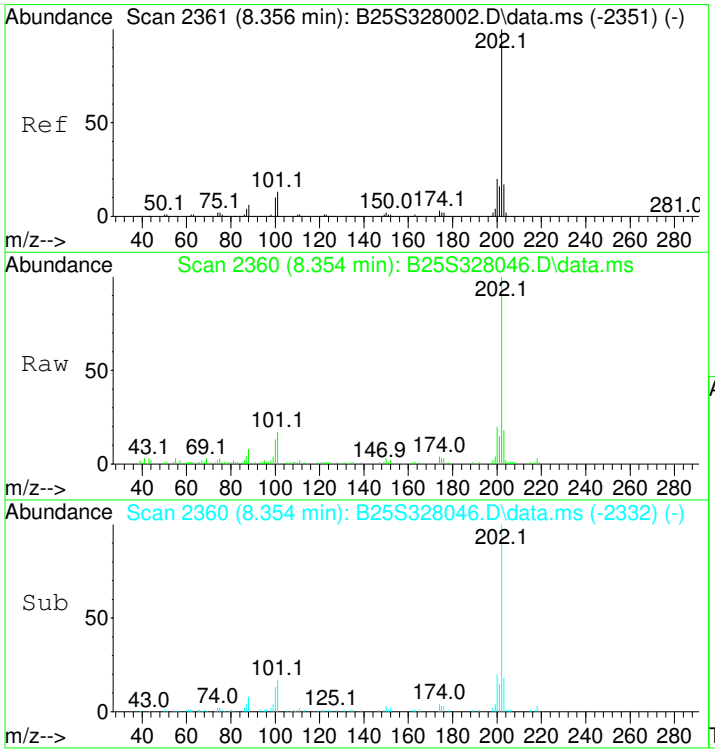


#67
Anthracene
Concen: 0.26 ug/ml
RT: 7.551 min Scan# 2048
Delta R.T. -0.010 min
Lab File: B25S328046.D
Acq: 25 Nov 2025 3:27 am

Tgt Ion:178 Resp: 1898

Ion	Ratio	Lower	Upper
178	100		
176	22.3	0.0	38.3
179	14.7	0.0	35.5

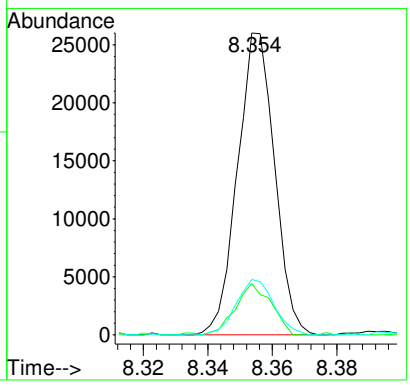


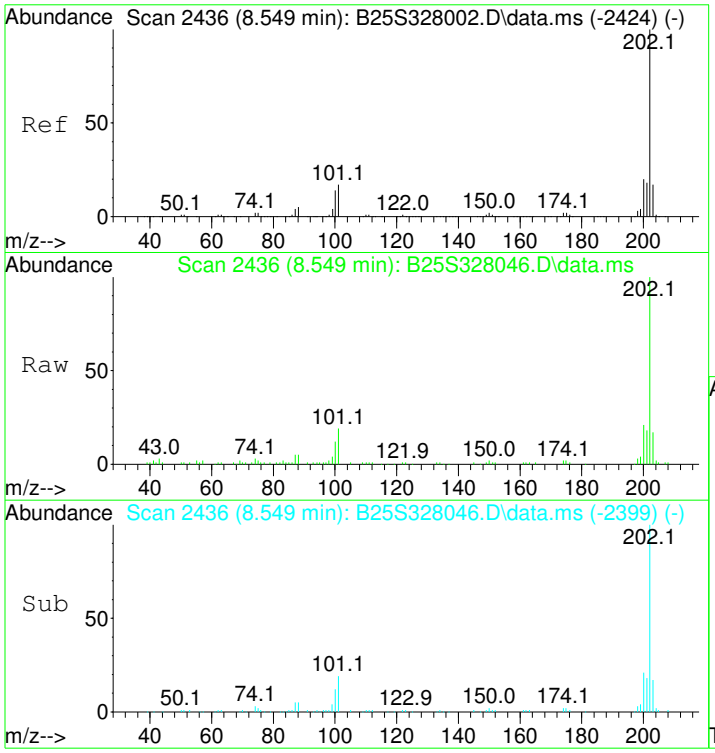


#70
Flouranthene
Concen: 2.91 ug/ml
RT: 8.354 min Scan# 2360
Delta R.T. -0.013 min
Lab File: B25S328046.D
Acq: 25 Nov 2025 3:27 am

Tgt Ion:202 Resp: 20716

Ion	Ratio	Lower	Upper
202	100		
101	16.4	0.0	36.2
203	18.6	0.0	37.5

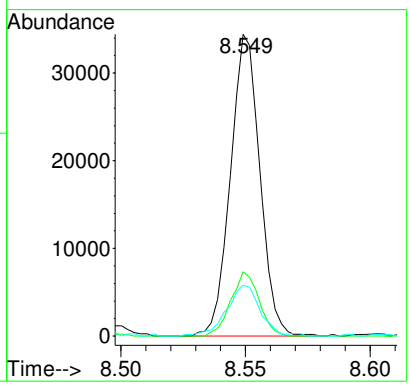


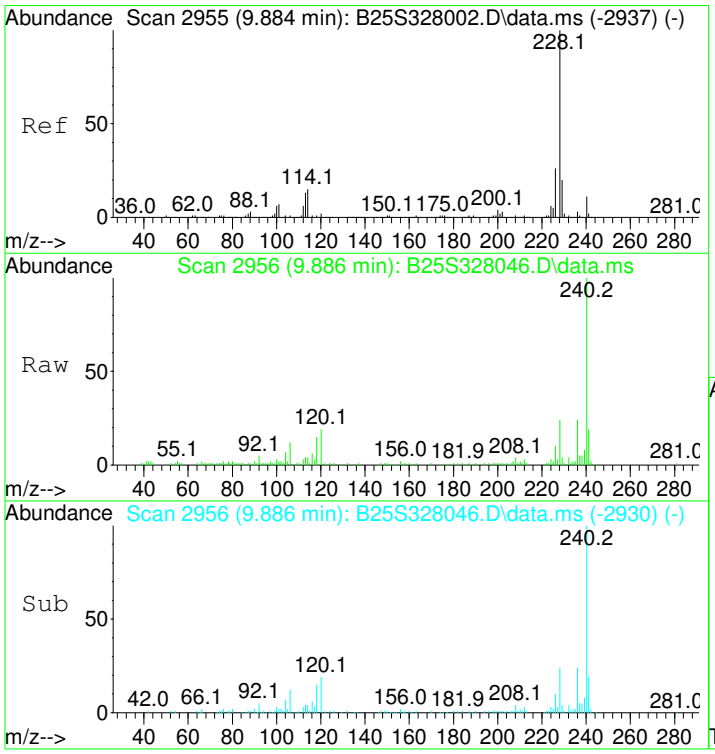


#74
Pyrene
Concen: 3.72 ug/ml
RT: 8.549 min Scan# 2436
Delta R.T. -0.013 min
Lab File: B25S328046.D
Acq: 25 Nov 2025 3:27 am

Tgt Ion:202 Resp: 28308

Ion	Ratio	Lower	Upper
202	100		
200	20.3	0.1	40.1
203	19.2	0.0	38.1

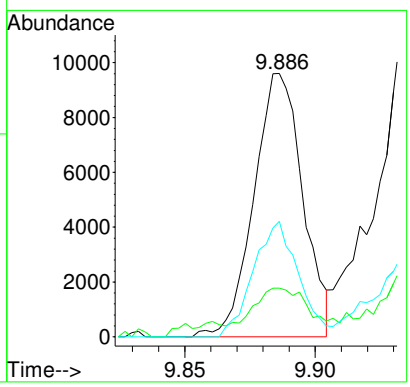


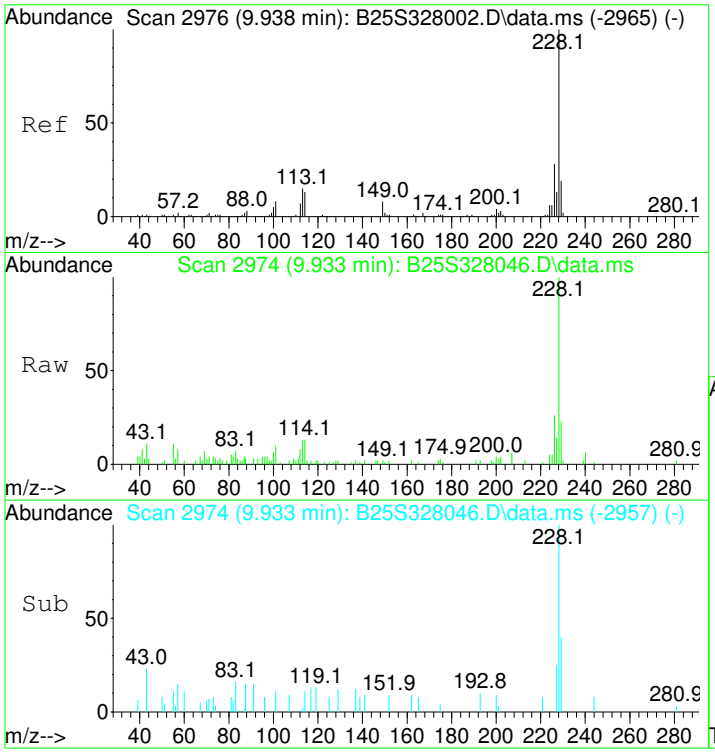


#77
Benzo(a)anthracene
Concen: 1.79 ug/ml
RT: 9.886 min Scan# 2956
Delta R.T. -0.015 min
Lab File: B25S328046.D
Acq: 25 Nov 2025 3:27 am

Tgt Ion:228 Resp: 12533

Ion	Ratio	Lower	Upper
228	100		
229	18.4	0.0	38.9
226	40.6	4.9	44.9

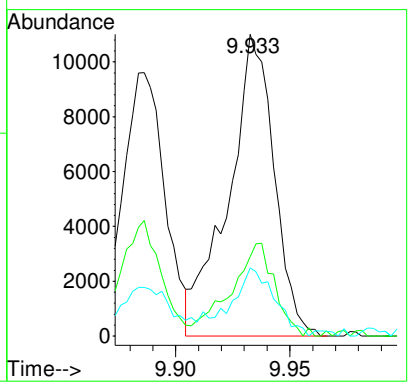


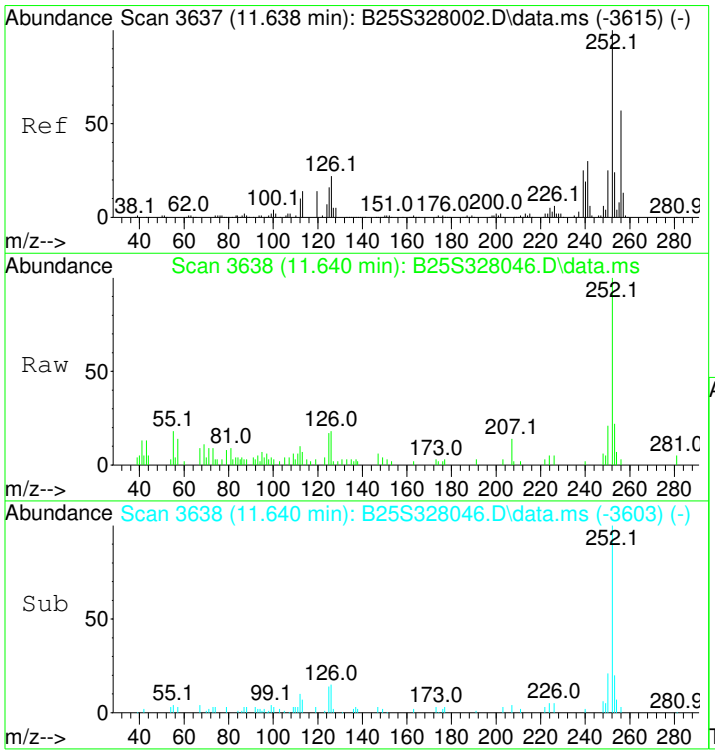


#78
Chrysene
Concen: 2.21 ug/ml
RT: 9.933 min Scan# 2974
Delta R.T. -0.021 min
Lab File: B25S328046.D
Acq: 25 Nov 2025 3:27 am

Tgt Ion:228 Resp: 15322

Ion	Ratio	Lower	Upper
228	100		
226	29.7	8.1	48.1
229	23.3	0.0	38.9

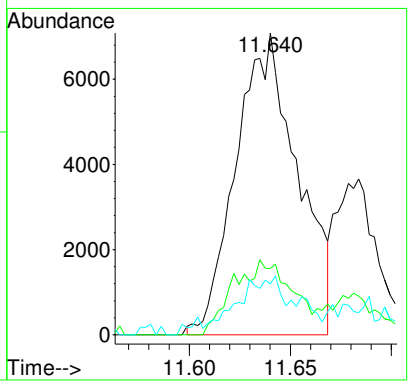


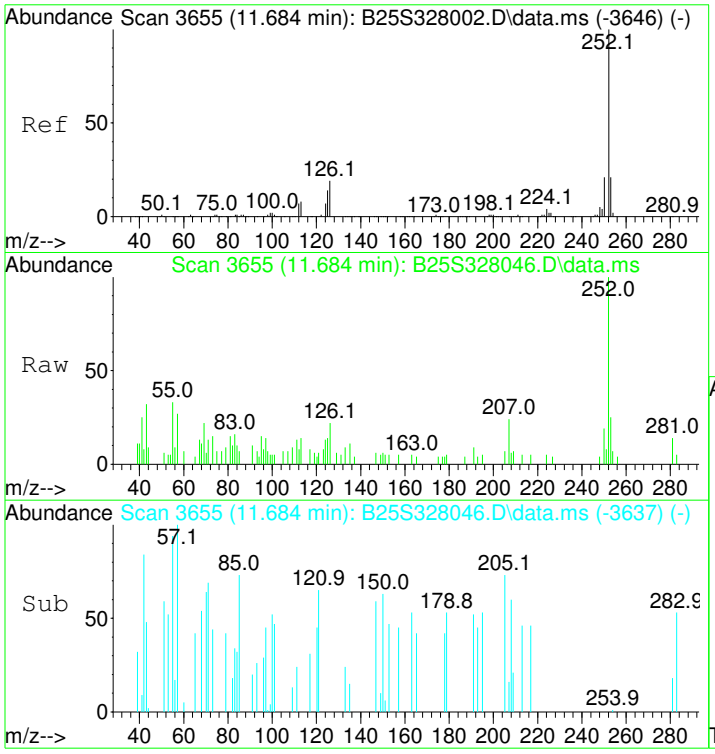


#82
Benzo(b)fluoranthene
Concen: 2.58 ug/ml m
RT: 11.640 min Scan# 3638
Delta R.T. -0.013 min
Lab File: B25S328046.D
Acq: 25 Nov 2025 3:27 am

Tgt Ion:252 Resp: 15005

Ion	Ratio	Lower	Upper
252	100		
253	5.6	2.2	42.2
125	0.9	0.0	34.5

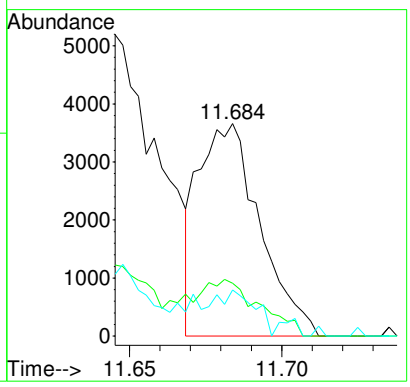


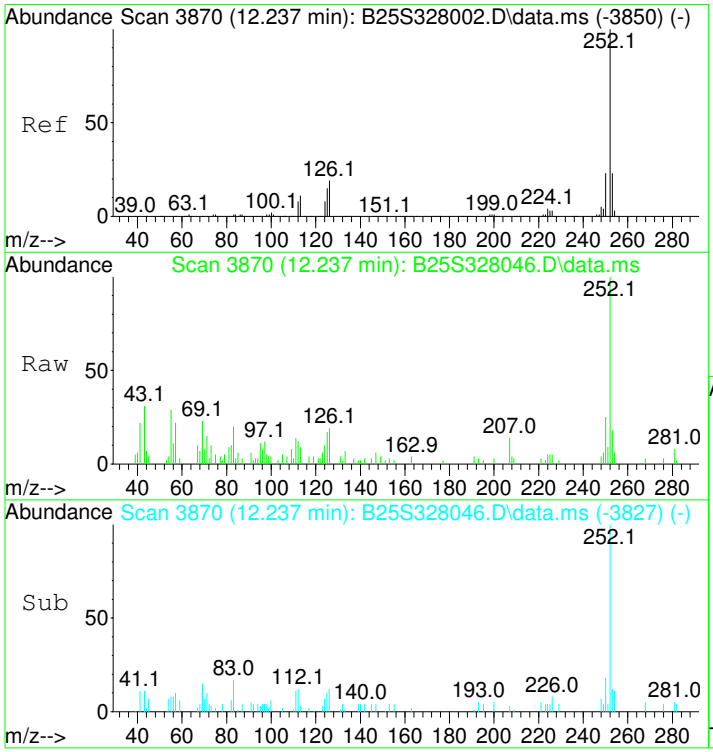


#83
Benzo(k)fluoranthene
Concen: 0.89 ug/ml
RT: 11.684 min Scan# 3655
Delta R.T. -0.021 min
Lab File: B25S328046.D
Acq: 25 Nov 2025 3:27 am

Tgt Ion:252 Resp: 5141

Ion	Ratio	Lower	Upper
252	100		
253	31.7	0.7	40.7
126	14.5	0.0	39.4

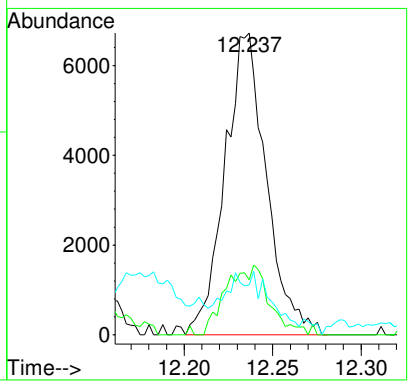


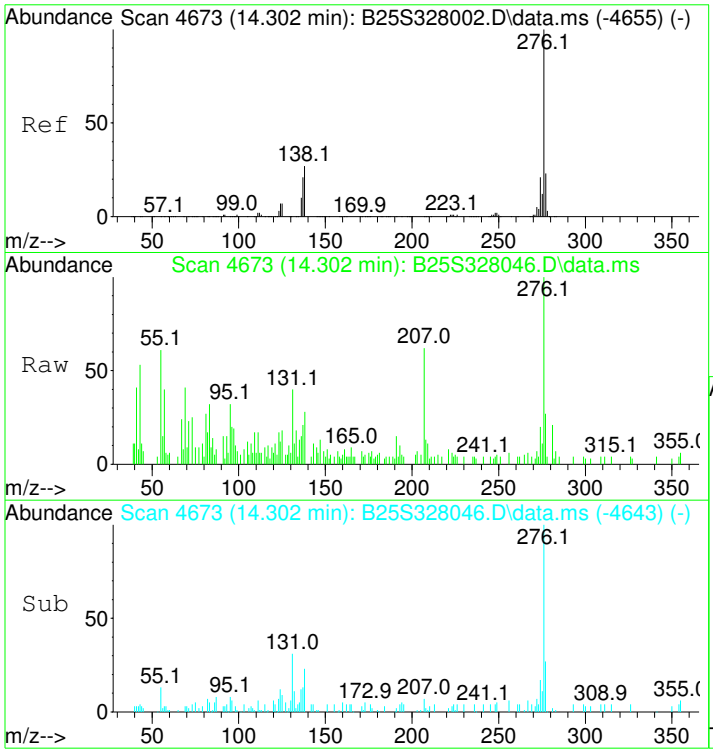


#84
Benzo(a)pyrene
Concen: 2.03 ug/ml
RT: 12.237 min Scan# 3870
Delta R.T. -0.015 min
Lab File: B25S328046.D
Acq: 25 Nov 2025 3:27 am

Tgt Ion:252 Resp: 10979

Ion	Ratio	Lower	Upper
252	100		
253	24.1	0.4	40.4
125	9.0	0.0	34.0

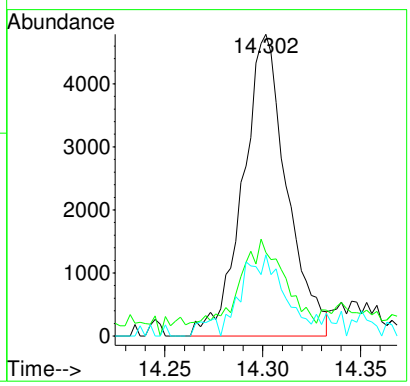


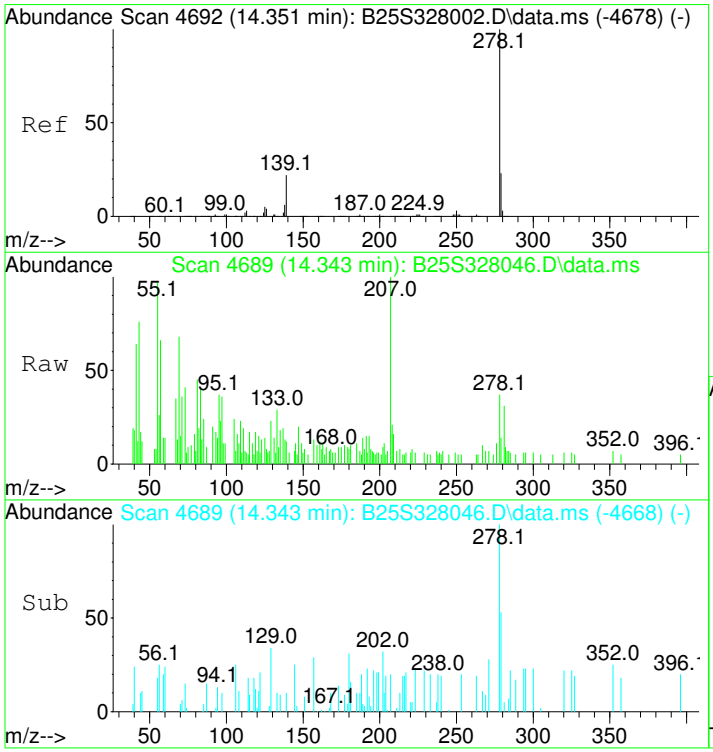


#85
Indeno(1,2,3-cd)pyrene
Concen: 1.55 ug/ml
RT: 14.302 min Scan# 4673
Delta R.T. -0.013 min
Lab File: B25S328046.D
Acq: 25 Nov 2025 3:27 am

Tgt Ion:276 Resp: 7445

Ion	Ratio	Lower	Upper
276	100		
138	26.8	5.0	45.0
277	11.5	4.1	44.1

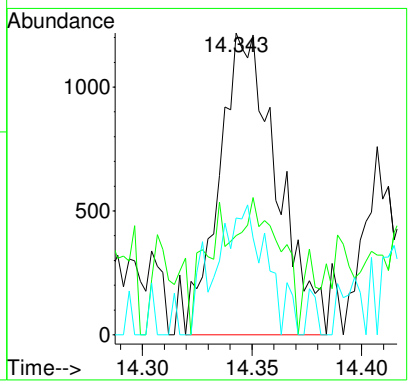


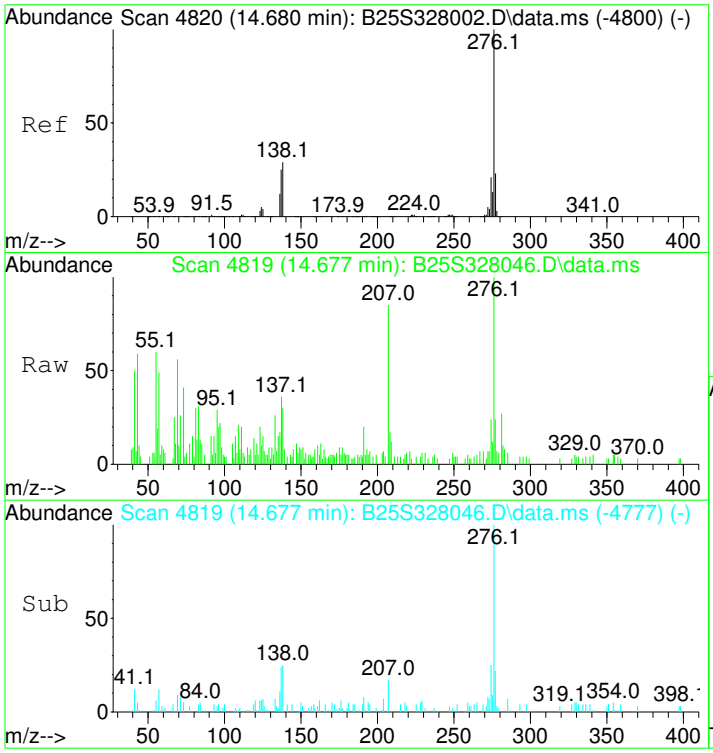


#86
Dibenz(a,h)anthracene
Concen: 0.44 ug/ml
RT: 14.343 min Scan# 4689
Delta R.T. -0.018 min
Lab File: B25S328046.D
Acq: 25 Nov 2025 3:27 am

Tgt Ion:278 Resp: 2220

Ion	Ratio	Lower	Upper
278	100		
139	31.6	1.1	41.1
279	30.5	3.5	43.5

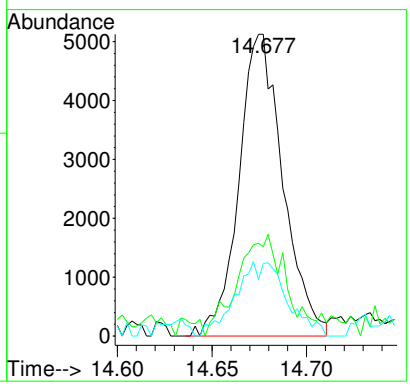


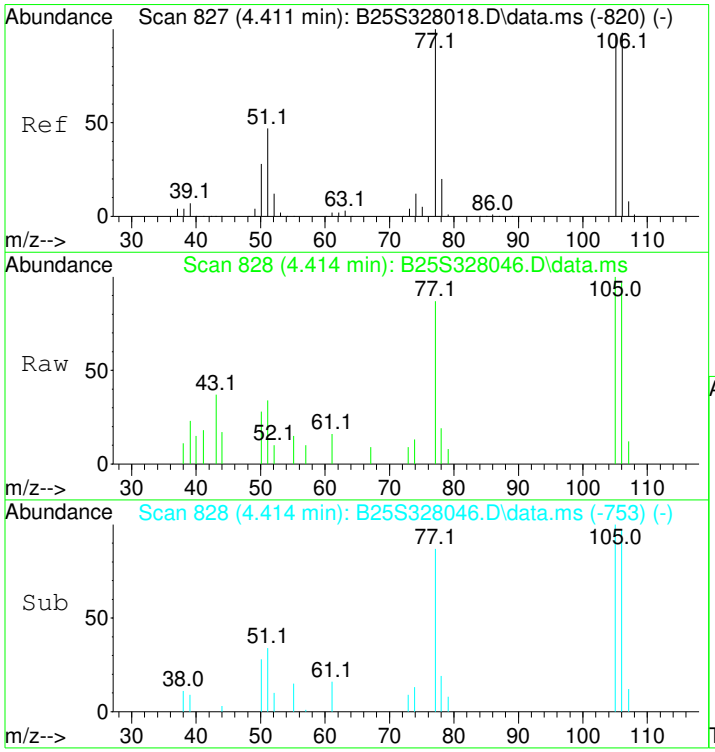


#87
Benzo(g,h,i)perylene
Concen: 1.56 ug/ml
RT: 14.677 min Scan# 4819
Delta R.T. -0.010 min
Lab File: B25S328046.D
Acq: 25 Nov 2025 3:27 am

Tgt Ion:276 Resp: 8289

Ion	Ratio	Lower	Upper
276	100		
138	37.0	5.6	45.6
277	14.9	3.2	43.2

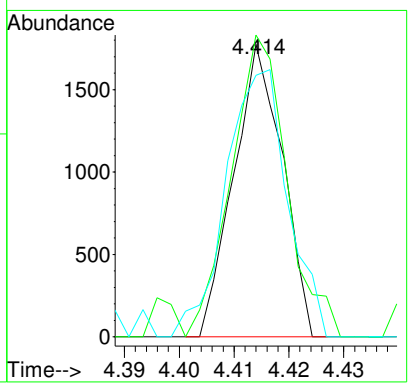




#90
Benzaldehyde
Concen: 0.52 ug/ml
RT: 4.414 min Scan# 828
Delta R.T. -0.008 min
Lab File: B25S328046.D
Acq: 25 Nov 2025 3:27 am

Tgt Ion:106 Resp: 1097

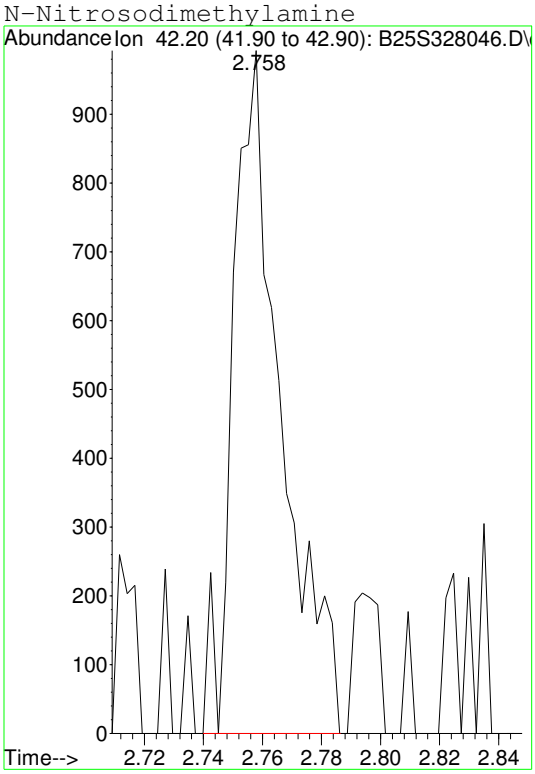
Ion	Ratio	Lower	Upper
106	100		
105	117.5	79.4	119.2
77	115.7	81.3	121.9



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328046.D
Acq On : 25 Nov 2025 3:27 am
Operator : BGL
Sample : 25K1213-15
Misc :

Quant Time : Tue Nov 25 11:30:50 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
N-Nitrosodimethylamine



Original Int. Results

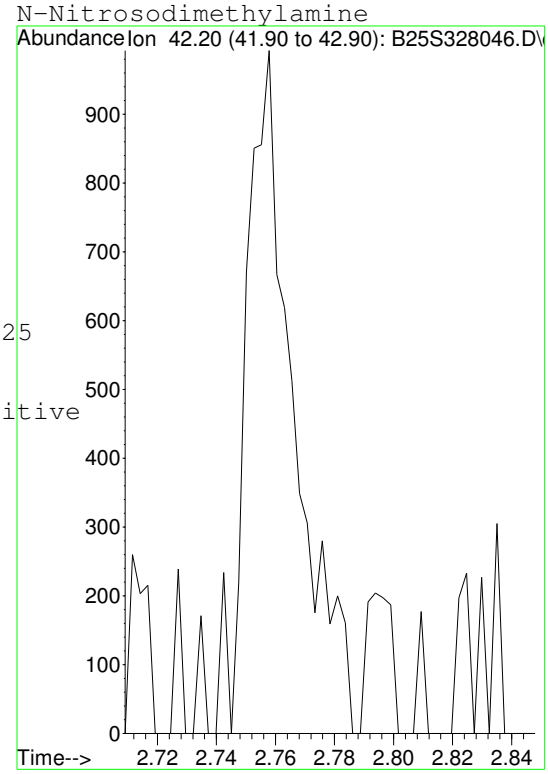
RT : 2.76
Area : 1119
Amount: 0.994592

Manual Int. Results

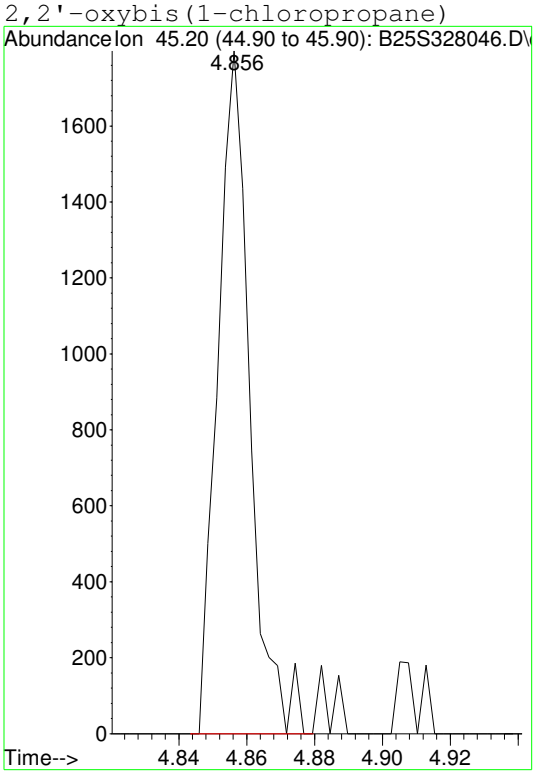
Tue Nov 25 11:22:18 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
N-Nitrosodimethylamine



Original Integration
2,2'-oxybis(1-chloropropane)



Original Int. Results

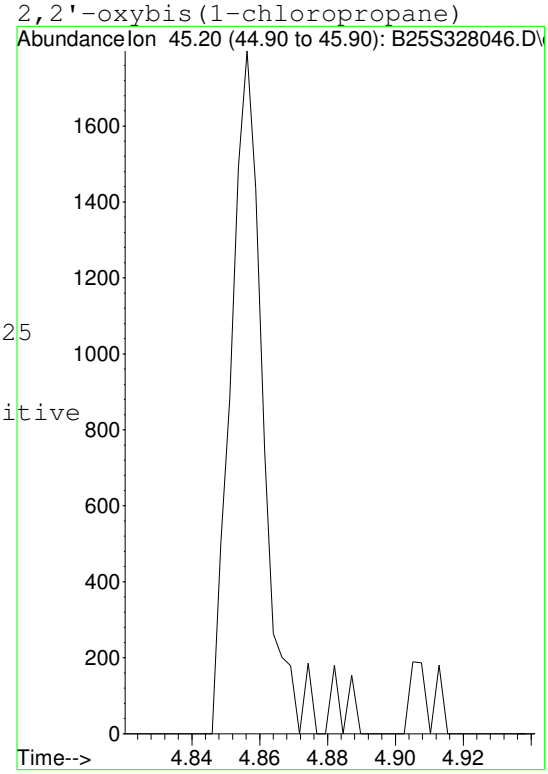
RT : 4.86
Area : 1186
Amount: 0.451235

Manual Int. Results

Tue Nov 25 11:22:21 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

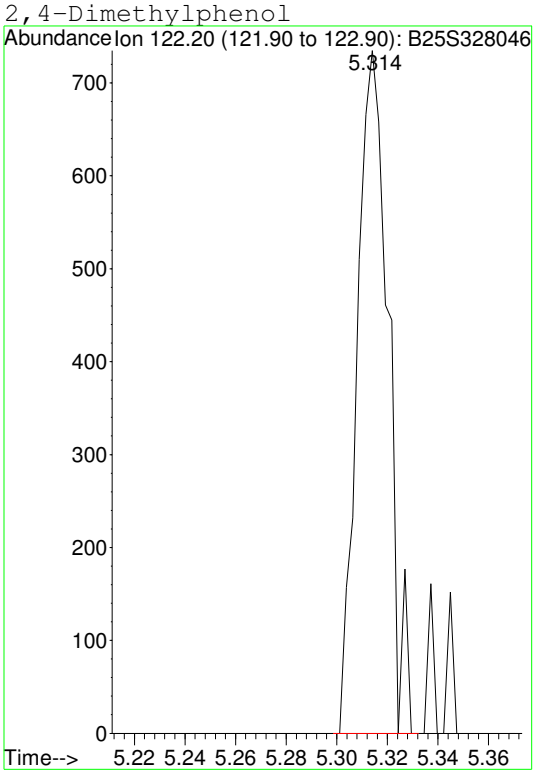
Manual Integration
2,2'-oxybis(1-chloropropane)



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328046.D
Acq On : 25 Nov 2025 3:27 am
Operator : BGL
Sample : 25K1213-15
Misc :

Quant Time : Tue Nov 25 11:30:50 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
2,4-Dimethylphenol



Original Int. Results

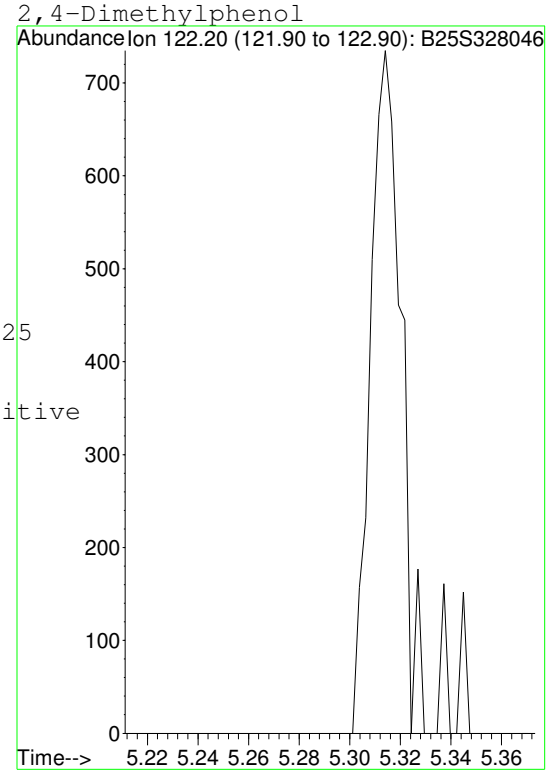
RT : 5.31
Area : 624
Amount: 0.318625

Manual Int. Results

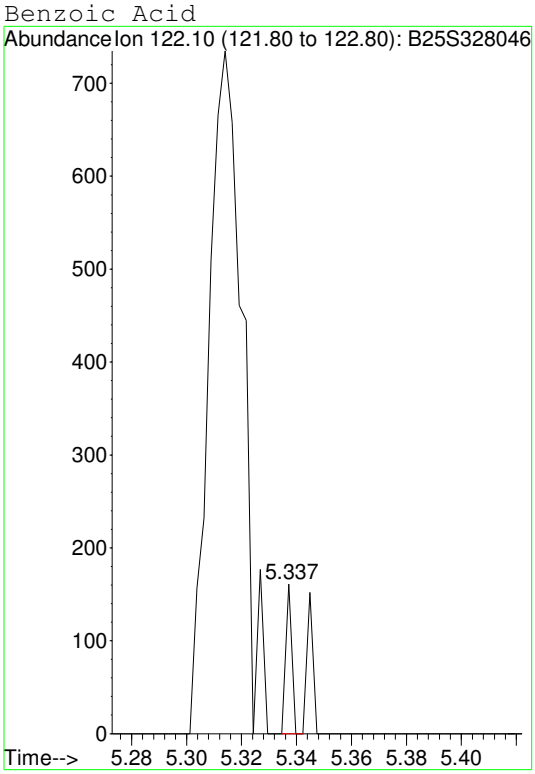
Tue Nov 25 11:22:25 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2,4-Dimethylphenol



Original Integration
Benzoic Acid



Original Int. Results

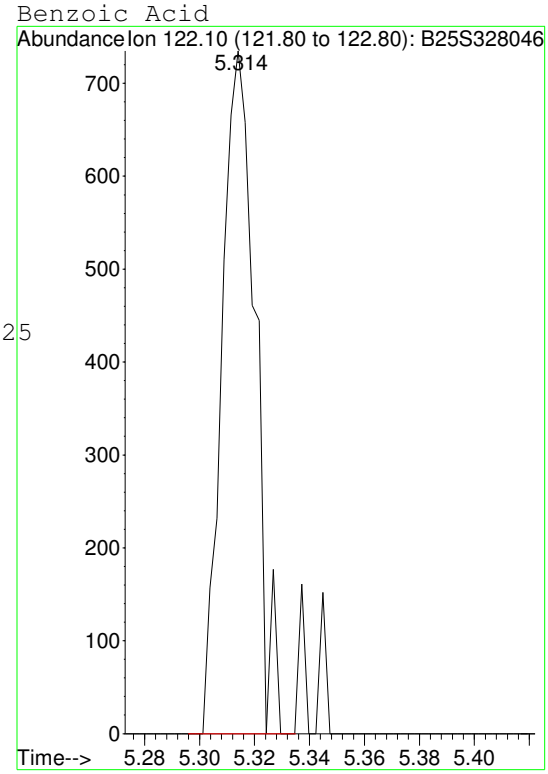
RT : 5.34
Area : 25
Amount: 0.0206501

Manual Int. Results

Tue Nov 25 11:22:28 2025

MIuser: BGL
Reason: Other
RT : 5.31
Area : 623
Amount: 0.5146

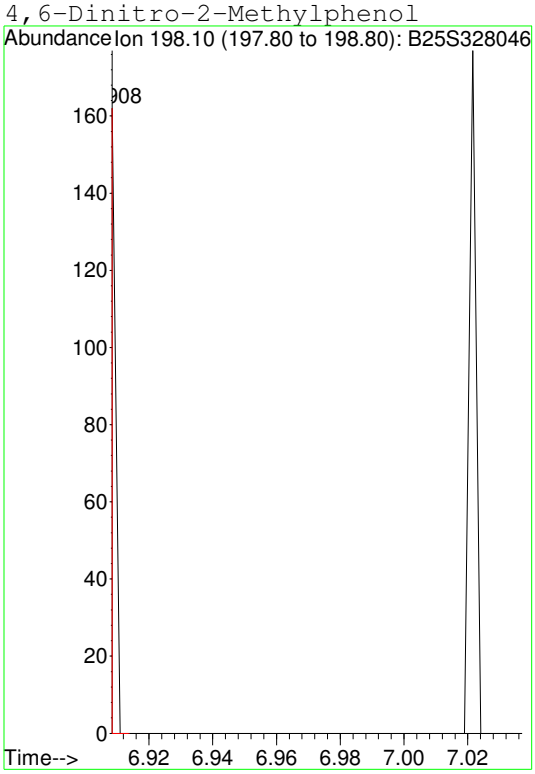
Manual Integration
Benzoic Acid



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328046.D
Acq On : 25 Nov 2025 3:27 am
Operator : BGL
Sample : 25K1213-15
Misc :

Quant Time : Tue Nov 25 11:30:50 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
4,6-Dinitro-2-Methylphenol



Original Int. Results

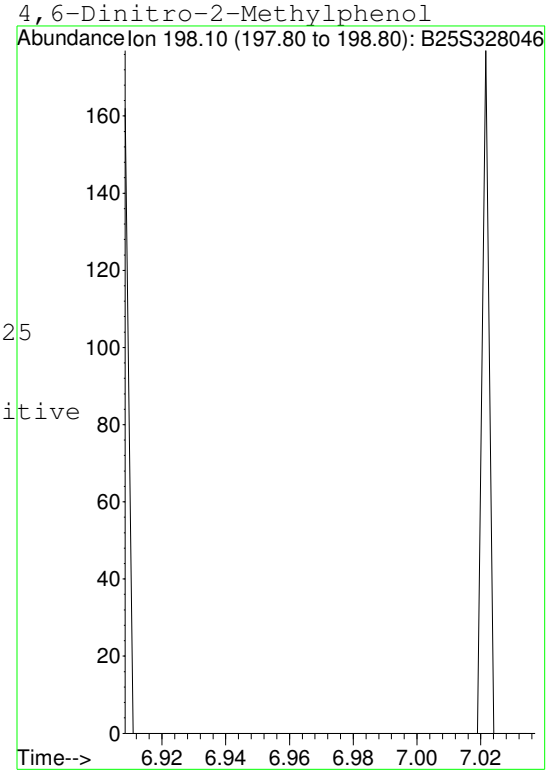
RT : 6.91
Area : 25
Amount: 8.73744

Manual Int. Results

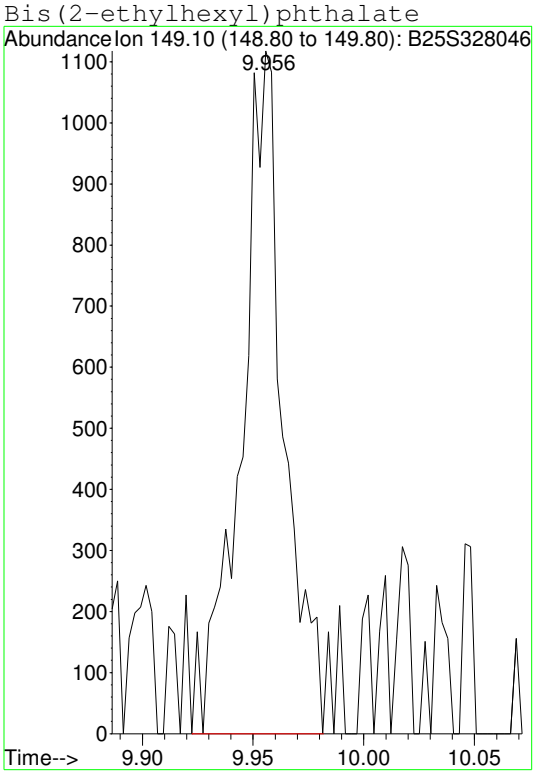
Tue Nov 25 11:22:40 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
4,6-Dinitro-2-Methylphenol



Original Integration
Bis(2-ethylhexyl)phthalate



Original Int. Results

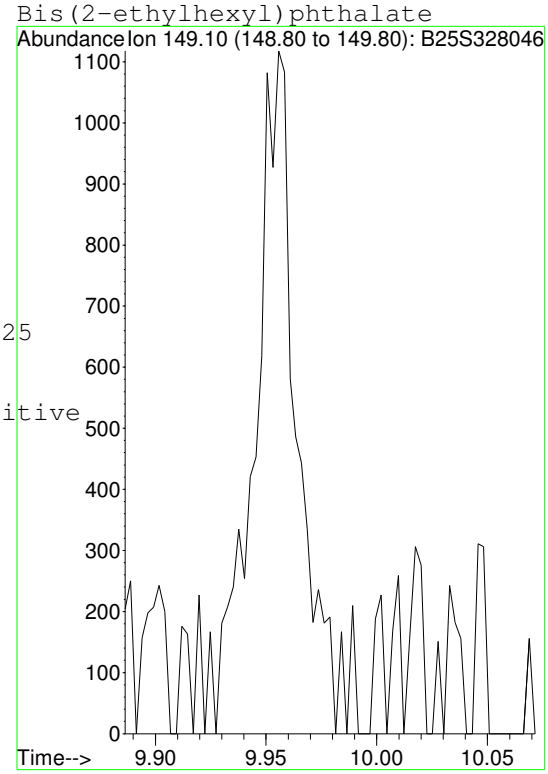
RT : 9.96
Area : 1500
Amount: 0.470724

Manual Int. Results

Tue Nov 25 11:30:45 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

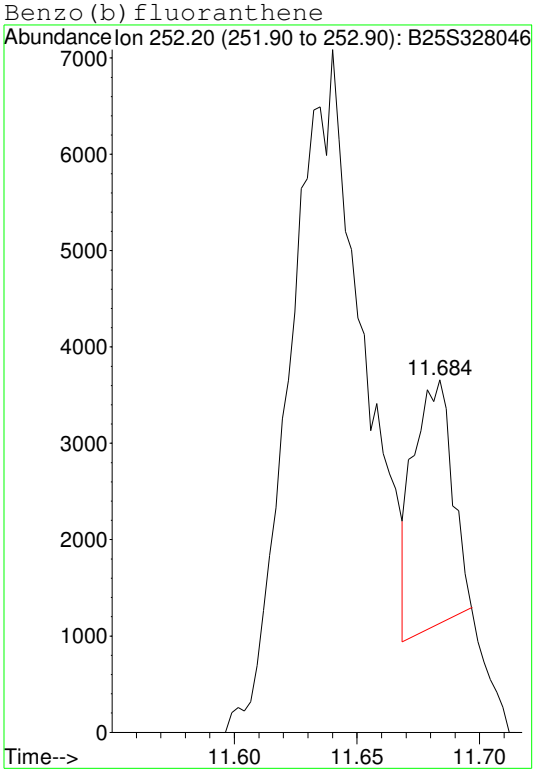
Manual Integration
Bis(2-ethylhexyl)phthalate



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328046.D
Acq On : 25 Nov 2025 3:27 am
Operator : BGL
Sample : 25K1213-15
Misc :

Quant Time : Tue Nov 25 11:30:50 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Benzo(b)fluoranthene



Original Int. Results

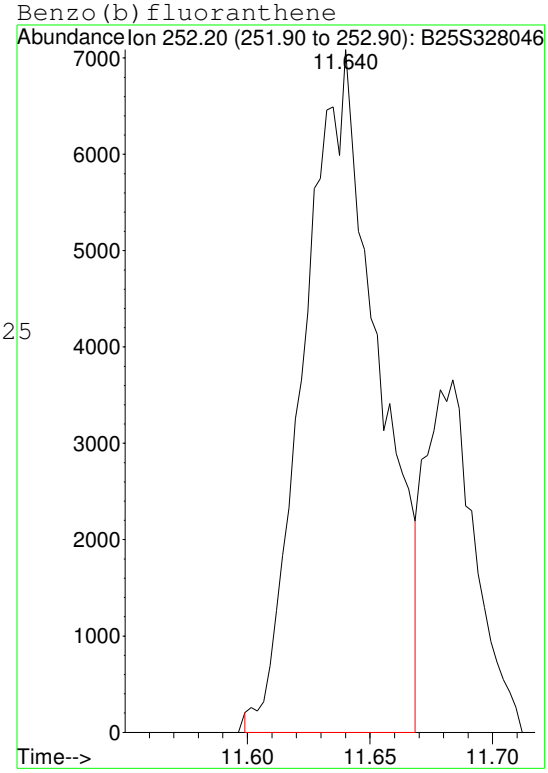
RT : 11.68
Area : 2803
Amount: 0.481429

Manual Int. Results

Tue Nov 25 11:30:50 2025

MIuser: BGL
Reason: Other
RT : 11.64
Area : 15005
Amount: 2.57718

Manual Integration
Benzo(b)fluoranthene



1 - FORM I
ANALYSIS DATA SHEET

Dup-2

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-16	File ID:	B25S329014.D
Sampled:	11/17/25 00:00	Prepared:	11/20/25 15:25	Analyzed:	11/25/25 18:40
Solids:	85.26	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.06 g / 1 mL				
Batch:	B417934	Sequence:	S129060	Calibration:	2500833
Instrument:	GCMSSV2				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol		0.056	0.78	
1912-24-9	Atrazine		0.054	0.78	V-06
100-52-7	Benzaldehyde		0.055	0.40	L-04, V-34
92-52-4	Biphenyl		0.045	0.078	
105-60-2	Caprolactam		0.069	0.40	
83-32-9	Acenaphthene		0.0043	0.039	
208-96-8	Acenaphthylene	0.012	0.0049	0.039	J
98-86-2	Acetophenone		0.042	0.40	
62-53-3	Aniline		0.075	0.40	V-34
120-12-7	Anthracene	0.0098	0.0044	0.039	J
56-55-3	Benzo(a)anthracene	0.057	0.0061	0.039	
50-32-8	Benzo(a)pyrene	0.070	0.013	0.039	
205-99-2	Benzo(b)fluoranthene	0.11	0.0096	0.039	
191-24-2	Benzo(g,h,i)perylene	0.055	0.015	0.039	
207-08-9	Benzo(k)fluoranthene	0.039	0.0080	0.039	
111-91-1	Bis(2-chloroethoxy)methane		0.040	0.40	
111-44-4	Bis(2-chloroethyl)ether		0.053	0.40	
108-60-1	2,2'-oxybis(1-Chloropropane)		0.16	0.40	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.054	0.40	V-06
101-55-3	4-Bromophenylphenylether		0.035	0.40	
85-68-7	Butylbenzylphthalate		0.045	0.40	
86-74-8	Carbazole		0.041	0.20	
106-47-8	4-Chloroaniline		0.064	0.77	
59-50-7	4-Chloro-3-methylphenol		0.042	0.77	
91-58-7	2-Chloronaphthalene		0.035	0.40	
95-57-8	2-Chlorophenol		0.035	0.40	
7005-72-3	4-Chlorophenylphenylether		0.037	0.40	
218-01-9	Chrysene	0.074	0.0050	0.039	
53-70-3	Dibenz(a,h)anthracene		0.017	0.039	

1 - FORM I
ANALYSIS DATA SHEET

Dup-2

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-16	File ID:	B25S329014.D
Sampled:	11/17/25 00:00	Prepared:	11/20/25 15:25	Analyzed:	11/25/25 18:40
Solids:	85.26	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.06 g / 1 mL				
Batch:	B417934	Sequence:	S129060	Calibration:	2500833
				Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
132-64-9	Dibenzofuran		0.039	0.40	
84-74-2	Di-n-butylphthalate		0.15	0.40	
91-94-1	3,3-Dichlorobenzidine		0.071	0.20	
120-83-2	2,4-Dichlorophenol		0.037	0.40	
84-66-2	Diethylphthalate		0.039	0.40	
105-67-9	2,4-Dimethylphenol		0.082	0.40	
131-11-3	Dimethylphthalate		0.035	0.40	
534-52-1	4,6-Dinitro-2-methylphenol		0.33	0.40	
51-28-5	2,4-Dinitrophenol		0.37	0.77	V-04, V-06
121-14-2	2,4-Dinitrotoluene		0.094	0.40	
606-20-2	2,6-Dinitrotoluene		0.050	0.40	
117-84-0	Di-n-octylphthalate		0.058	0.40	V-06
206-44-0	Fluoranthene	0.12	0.0055	0.039	
86-73-7	Fluorene		0.0047	0.039	
118-74-1	Hexachlorobenzene		0.040	0.40	
87-68-3	Hexachlorobutadiene		0.041	0.40	
77-47-4	Hexachlorocyclopentadiene		0.20	0.40	
67-72-1	Hexachloroethane		0.036	0.40	
193-39-5	Indeno(1,2,3-cd)pyrene	0.058	0.016	0.039	
78-59-1	Isophorone		0.042	0.40	
90-12-0	1-Methylnaphthalene	0.0059	0.0049	0.039	J
91-57-6	2-Methylnaphthalene	0.0059	0.0044	0.039	J
95-48-7	2-Methylphenol		0.050	0.40	
108-39-4/106-44	3/4-Methylphenol		0.065	0.40	
91-20-3	Naphthalene	0.0086	0.0056	0.039	J
88-74-4	2-Nitroaniline		0.061	0.40	
99-09-2	3-Nitroaniline		0.052	0.40	
100-01-6	4-Nitroaniline		0.056	0.40	
98-95-3	Nitrobenzene		0.045	0.40	

1 - FORM I
ANALYSIS DATA SHEET

Dup-2

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-16	File ID:	B25S329014.D
Sampled:	11/17/25 00:00	Prepared:	11/20/25 15:25	Analyzed:	11/25/25 18:40
Solids:	85.26	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.06 g / 1 mL				
Batch:	B417934	Sequence:	S129060	Calibration:	2500833
				Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
88-75-5	2-Nitrophenol		0.041	0.40	
100-02-7	4-Nitrophenol		0.16	0.77	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.052	0.40	
621-64-7	N-Nitrosodi-n-propylamine		0.049	0.40	
87-86-5	Pentachlorophenol		0.051	0.40	
85-01-8	Phenanthrene	0.042	0.0040	0.039	
108-95-2	Phenol		0.038	0.40	
129-00-0	Pyrene	0.096	0.0067	0.039	
110-86-1	Pyridine		0.050	0.40	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.038	0.40	
95-95-4	2,4,5-Trichlorophenol		0.040	0.40	
88-06-2	2,4,6-Trichlorophenol		0.035	0.40	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329014.D
Acq On : 25 Nov 2025 6:40 pm
Operator : BGL
Sample : 25K1213-16@/RRT Inst : GCMSSV2
Misc :
ALS Vial : 14 Sample Multiplier: 1

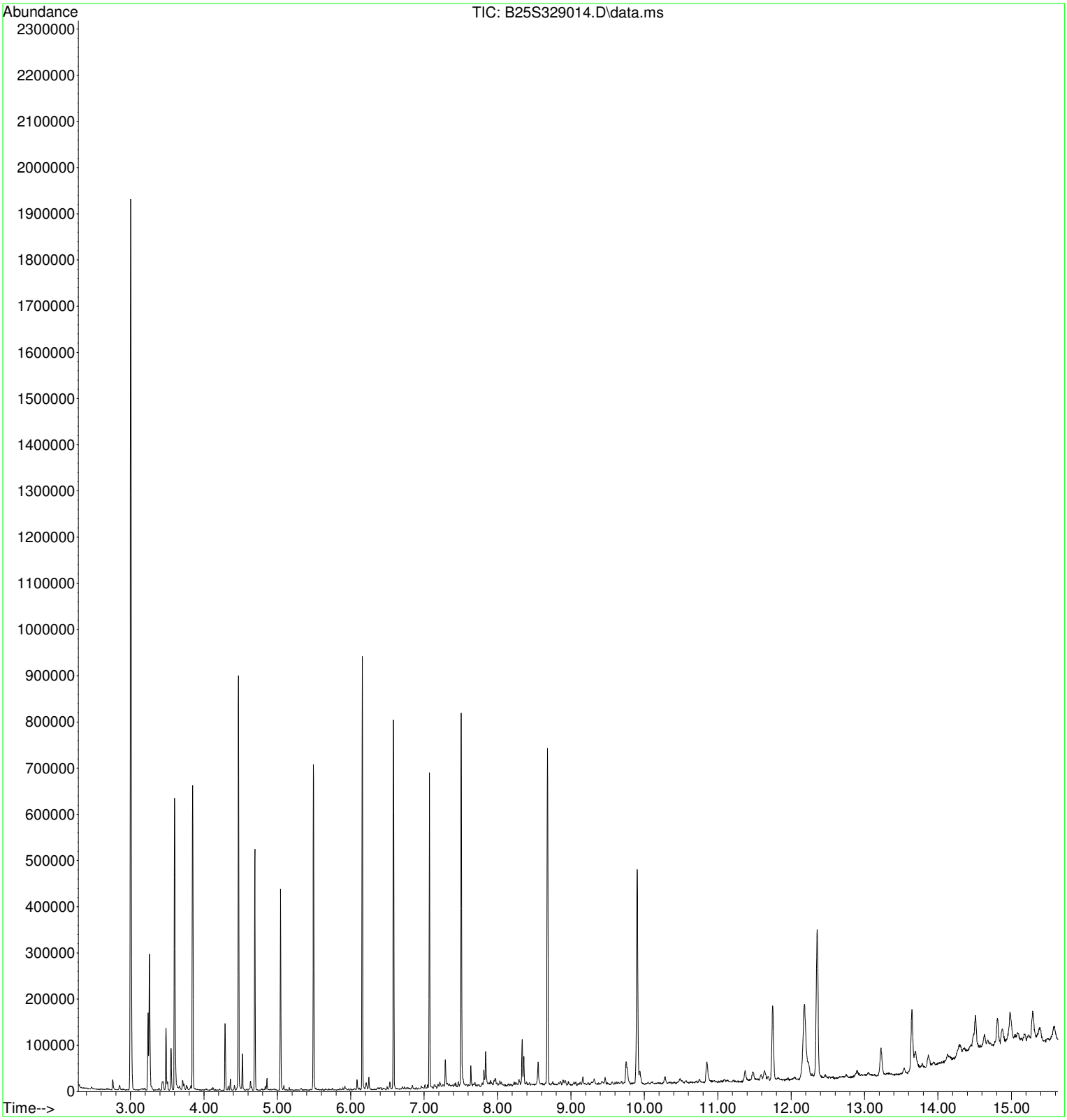
Quant Time: Nov 25 18:56:28 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

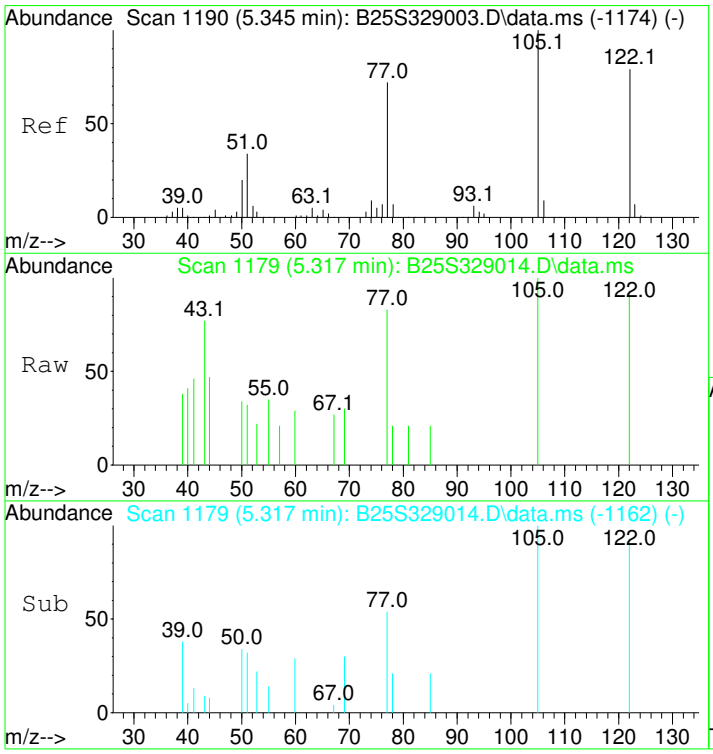
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.694	152	60582	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	5.492	136	230734	40.00	ug/ml	-0.01
35) ACENAPHTHENE-D10	6.582	164	118551	40.00	ug/ml	-0.01
58) PHENANTHRENE-D10	7.505	188	193490	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.902	240	186761	40.00	ug/ml	-0.01
80) PERYLENE-D12	12.355	264	191149	40.00	ug/ml	0.00
88) 1,4-Dichlorobenzene-D4...	4.694	152	60582	40.00	ug/ml	0.00
92) NAPHTHALENE-d8 (2)	5.492	136	230734	40.00	ug/ml	0.00
95) ACENAPHTHENE-D10 (2)	6.582	164	118551	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	3.846	112	142282	84.06	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 42.03%			
3) Phenol-d6	4.471	99	231746	83.04	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 41.52%			
20) Nitrobenzene-d5	5.044	82	97730	42.56	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 42.56%			
36) 2-Fluorobiphenyl	6.158	172	188484	48.16	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 48.16%			
37) 2,4,6-Tribromophenol	7.073	330	50572	96.05	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 48.02%			
72) p-Terphenyl-d14	8.680	244	192287	49.72	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 49.72%			
Target Compounds						Qvalue
26) Benzoic Acid	5.317	122	509	0.45	ug/ml#	73
29) Naphthalene	5.504	128	1374	0.22	ug/ml	95
33) 2-MethylNaphthalene	5.934	142	645	0.15	ug/ml	91
34) 1-Methylnaphthalene	5.996	142	595	0.15	ug/ml	95
47) Acenaphthylene	6.494	152	1721	0.30	ug/ml	92
66) Phenanthrene	7.521	178	6536	1.08	ug/ml	91
67) Anthracene	7.549	178	1506	0.25	ug/ml	91
68) Carbazole	7.652	167	950	0.17	ug/ml	96
70) Flouranthene	8.356	202	18520	3.10	ug/ml	98
74) Pyrene	8.552	202	16804	2.45	ug/ml	95
77) Benzo(a)anthracene	9.889	228	9257	1.47	ug/ml	87
78) Chrysene	9.935	228	11751	1.89	ug/ml	93
82) Benzo(b)fluoranthene	11.635	252	15970	2.72	ug/ml	79
83) Benzo(k)fluoranthene	11.684	252	5898	1.01	ug/ml	78
84) Benzo(a)pyrene	12.237	252	9761	1.80	ug/ml	91
85) Indeno(1,2,3-cd)pyrene	14.302	276	7171	1.48	ug/ml	91
86) Dibenz(a,h)anthracene	14.348	278	1864m	0.37	ug/ml	
87) Benzo(g,h,i)perylene	14.680	276	7541	1.40	ug/ml	91
90) Benzaldehyde	4.417	106	1581	0.78	ug/ml	92

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

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329014.D
Acq On : 25 Nov 2025 6:40 pm
Operator : BGL
Sample : 25K1213-16@/RRT Inst : GCMSSV2
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 25 18:56:28 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

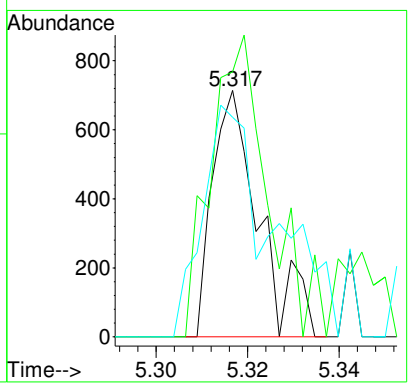


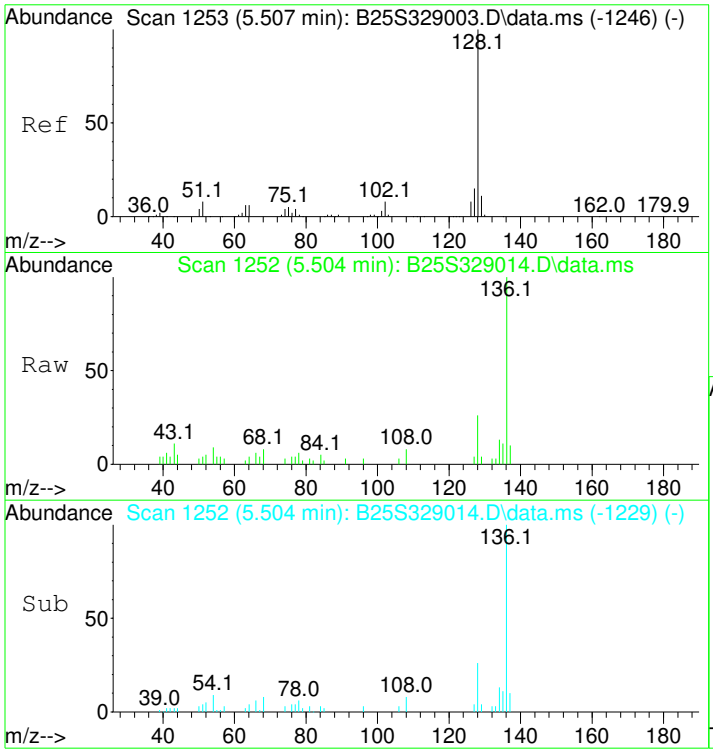


#26
Benzoic Acid
Concen: 0.45 ug/ml
RT: 5.317 min Scan# 1179
Delta R.T. -0.023 min
Lab File: B25S329014.D
Acq: 25 Nov 2025 6:40 pm

Tgt Ion:122 Resp: 509

Ion	Ratio	Lower	Upper
122	100		
105	150.7	95.4	135.4#
77	101.0	64.2	104.2

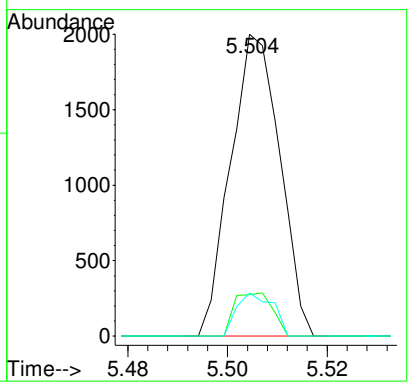


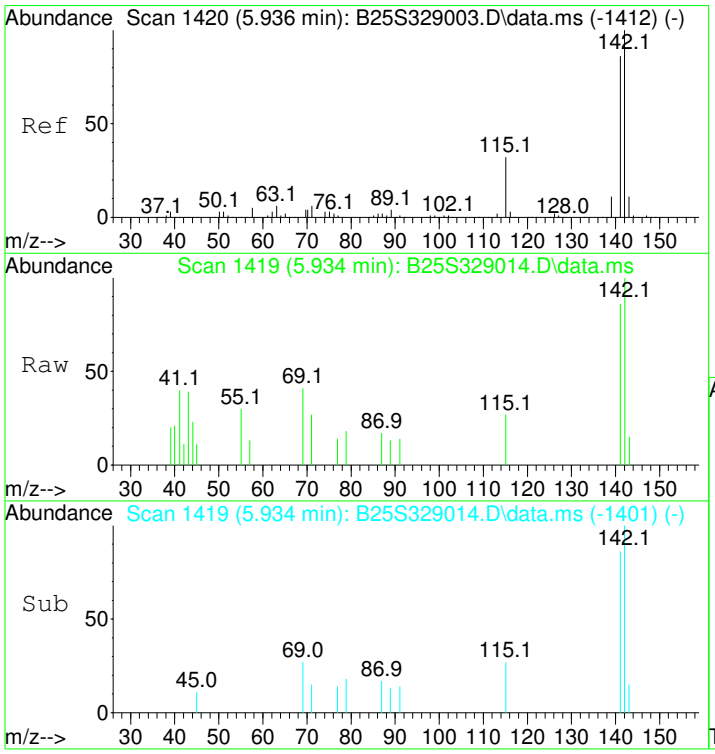


#29
Naphthalene
Concen: 0.22 ug/ml
RT: 5.504 min Scan# 1252
Delta R.T. -0.013 min
Lab File: B25S329014.D
Acq: 25 Nov 2025 6:40 pm

Tgt Ion:128 Resp: 1374

Ion	Ratio	Lower	Upper
128	100		
129	11.1	0.0	31.1
127	10.5	0.0	34.2

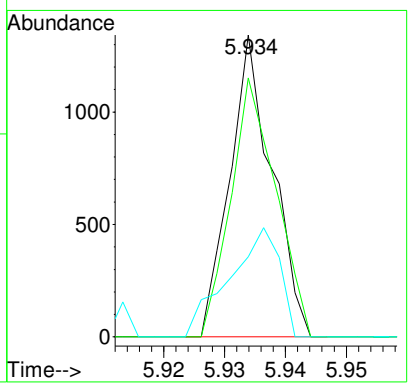


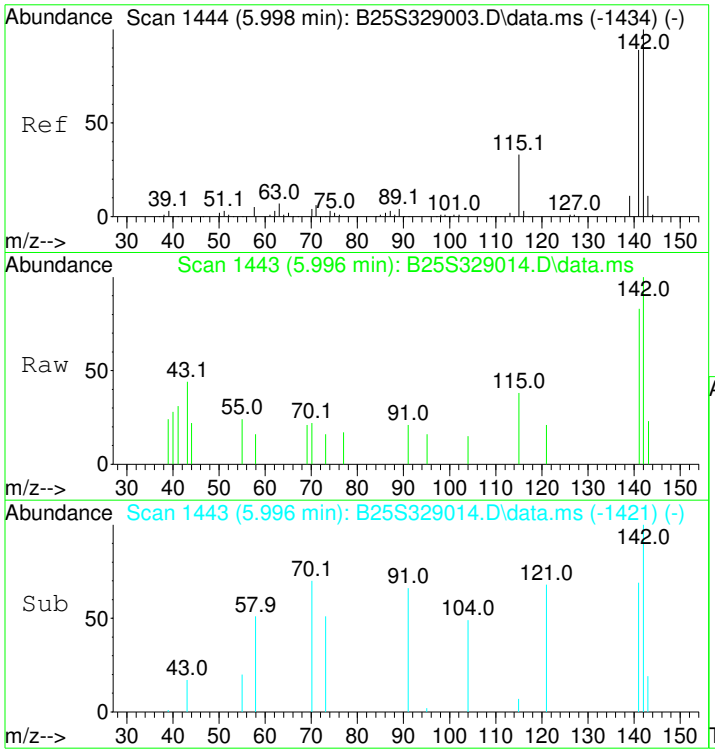


#33
2-MethylNaphthalene
Concen: 0.15 ug/ml
RT: 5.934 min Scan# 1419
Delta R.T. -0.010 min
Lab File: B25S329014.D
Acq: 25 Nov 2025 6:40 pm

Tgt Ion:142 Resp: 645

Ion	Ratio	Lower	Upper
142	100		
141	91.8	66.6	106.6
115	43.7	12.6	52.6

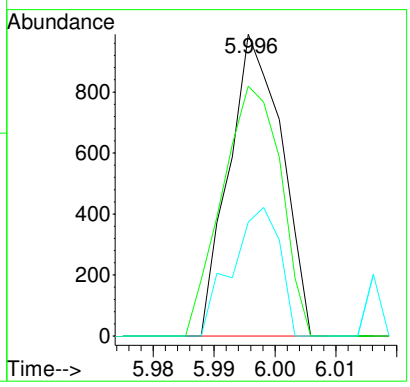


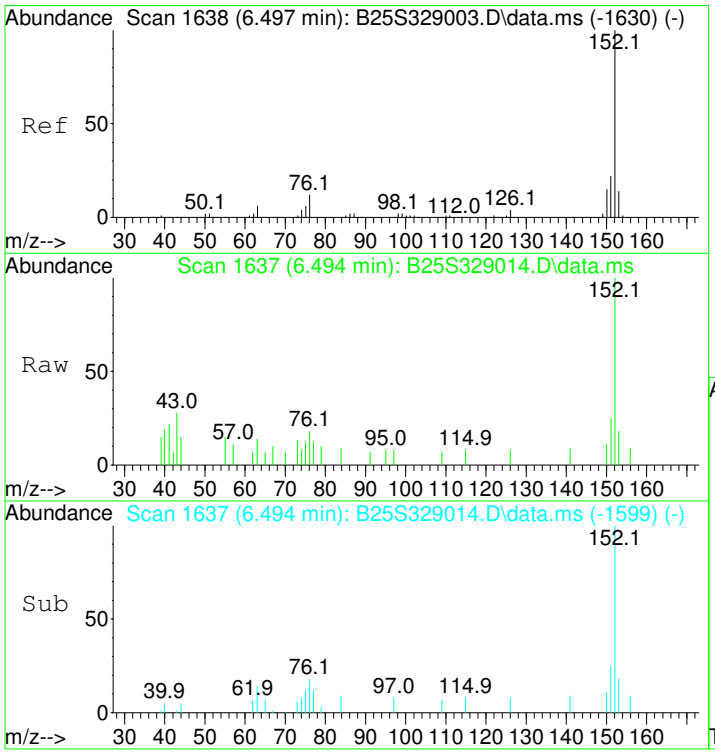


#34
1-Methylnaphthalene
Concen: 0.15 ug/ml
RT: 5.996 min Scan# 1443
Delta R.T. -0.010 min
Lab File: B25S329014.D
Acq: 25 Nov 2025 6:40 pm

Tgt Ion:142 Resp: 595

Ion	Ratio	Lower	Upper
142	100		
141	92.4	69.0	109.0
115	39.2	14.1	54.1

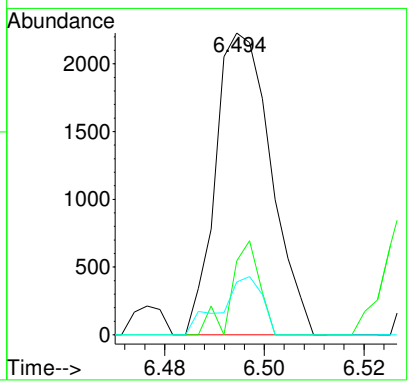


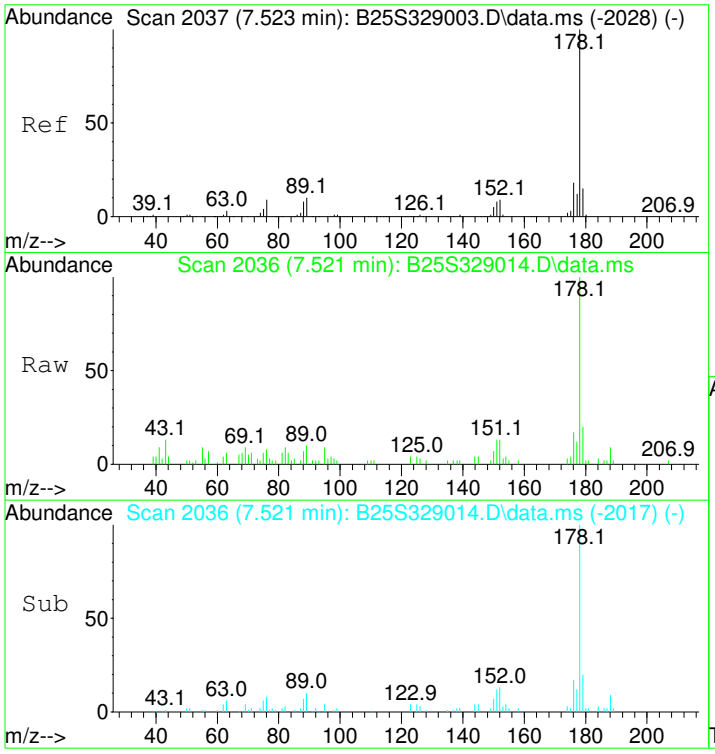


#47
Acenaphthylene
Concen: 0.30 ug/ml
RT: 6.494 min Scan# 1637
Delta R.T. -0.010 min
Lab File: B25S329014.D
Acq: 25 Nov 2025 6:40 pm

Tgt Ion:152 Resp: 1721

Ion	Ratio	Lower	Upper
152	100		
151	15.9	1.0	41.0
153	14.5	0.0	33.1

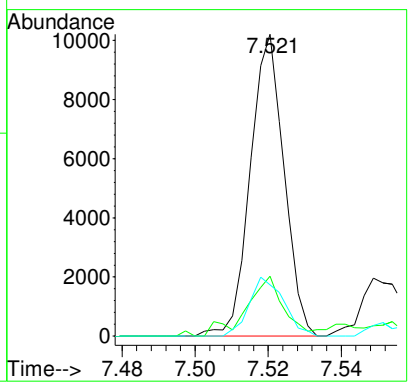


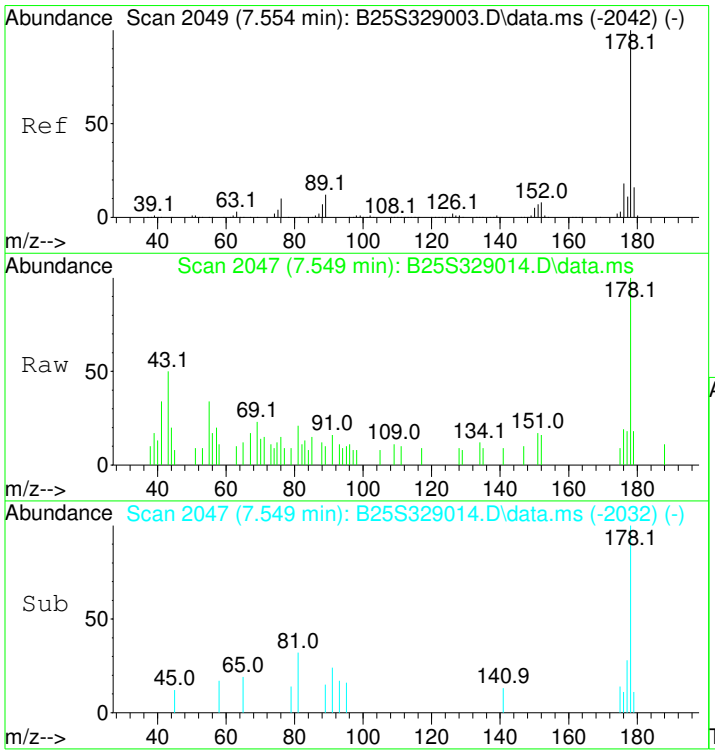


#66
Phenanthrene
Concen: 1.08 ug/ml
RT: 7.521 min Scan# 2036
Delta R.T. -0.008 min
Lab File: B25S329014.D
Acq: 25 Nov 2025 6:40 pm

Tgt Ion:178 Resp: 6536

Ion	Ratio	Lower	Upper
178	100		
179	22.6	0.0	35.5
176	20.0	0.0	39.0

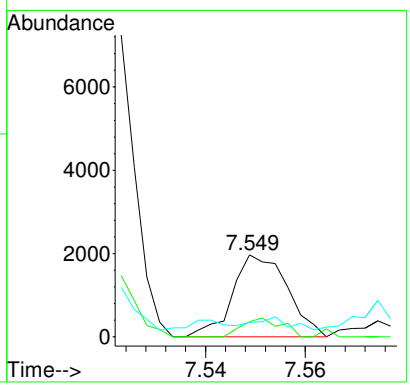


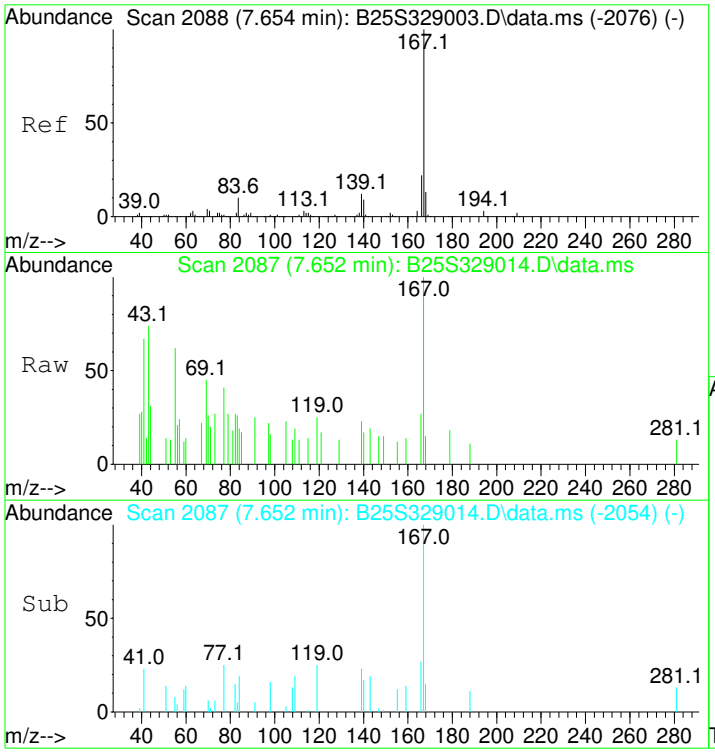


#67
Anthracene
Concen: 0.25 ug/ml
RT: 7.549 min Scan# 2047
Delta R.T. -0.013 min
Lab File: B25S329014.D
Acq: 25 Nov 2025 6:40 pm

Tgt Ion:178 Resp: 1506

Ion	Ratio	Lower	Upper
178	100		
176	16.4	0.0	38.3
179	9.4	0.0	35.5

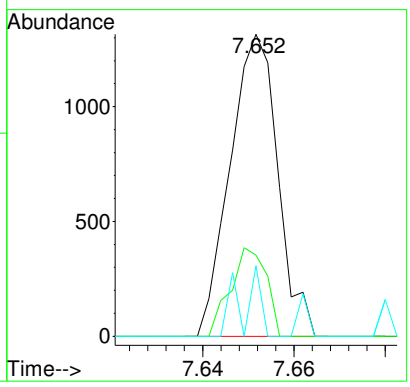


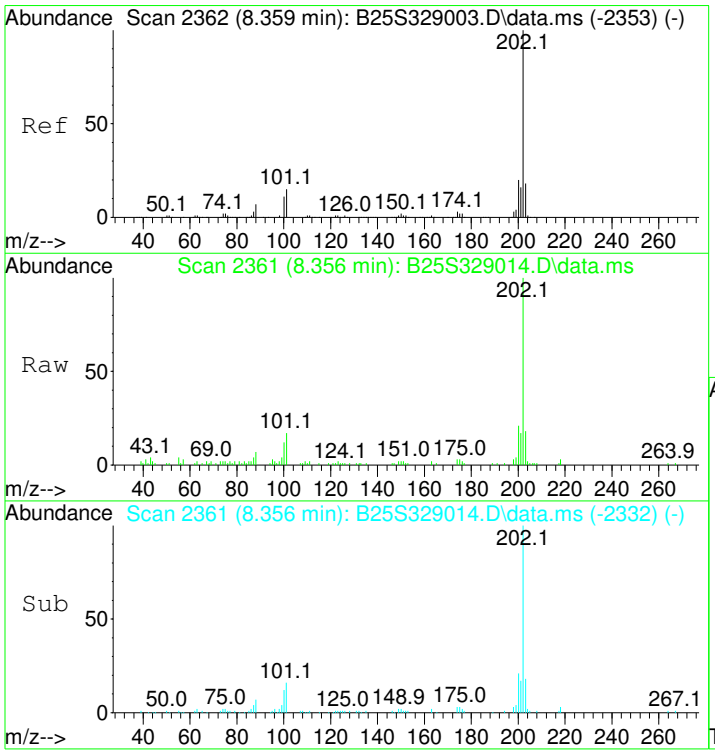


#68
Carbazole
Concen: 0.17 ug/ml
RT: 7.652 min Scan# 2087
Delta R.T. -0.005 min
Lab File: B25S329014.D
Acq: 25 Nov 2025 6:40 pm

Tgt Ion:167 Resp: 950

Ion	Ratio	Lower	Upper
167	100		
166	22.0	1.9	41.9
139	9.5	0.0	33.5

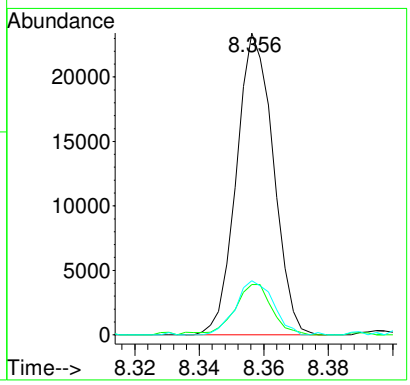


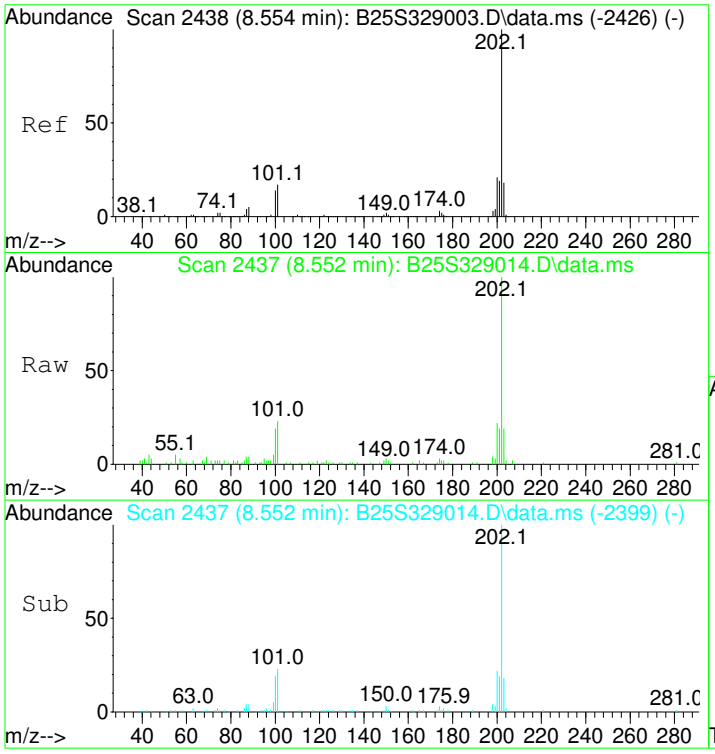


#70
Flouranthene
Concen: 3.10 ug/ml
RT: 8.356 min Scan# 2361
Delta R.T. -0.010 min
Lab File: B25S329014.D
Acq: 25 Nov 2025 6:40 pm

Tgt Ion:202 Resp: 18520

Ion	Ratio	Lower	Upper
202	100		
101	17.2	0.0	36.2
203	18.3	0.0	37.5

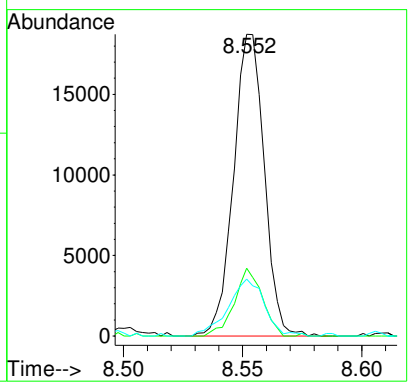


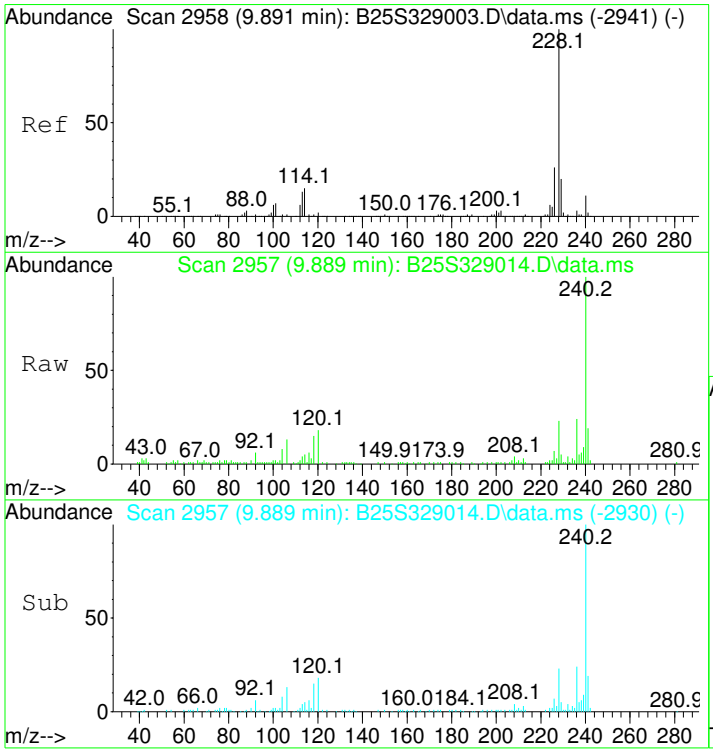


#74
Pyrene
Concen: 2.45 ug/ml
RT: 8.552 min Scan# 2437
Delta R.T. -0.010 min
Lab File: B25S329014.D
Acq: 25 Nov 2025 6:40 pm

Tgt Ion:202 Resp: 16804

Ion	Ratio	Lower	Upper
202	100		
200	20.3	0.1	40.1
203	22.3	0.0	38.1

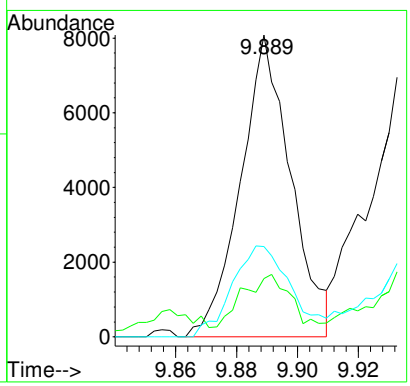


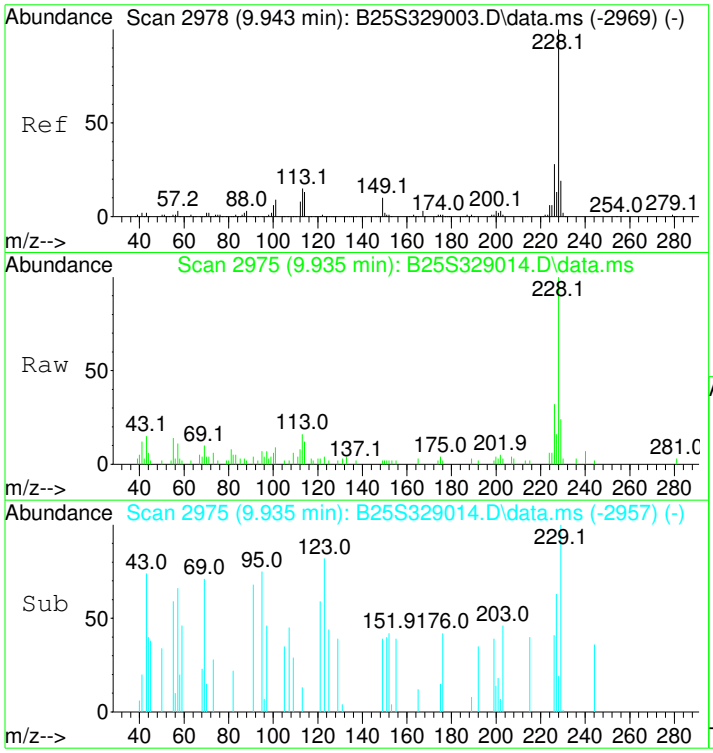


#77
Benzo(a)anthracene
Concen: 1.47 ug/ml
RT: 9.889 min Scan# 2957
Delta R.T. -0.013 min
Lab File: B25S329014.D
Acq: 25 Nov 2025 6:40 pm

Tgt Ion:228 Resp: 9257

Ion	Ratio	Lower	Upper
228	100		
229	19.7	0.0	38.9
226	35.6	4.9	44.9

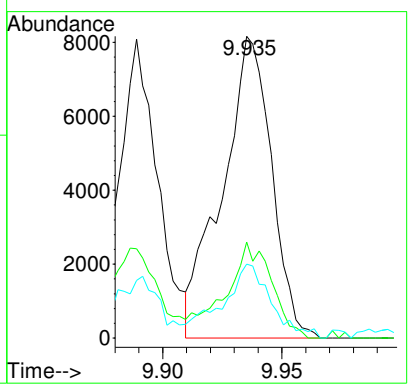


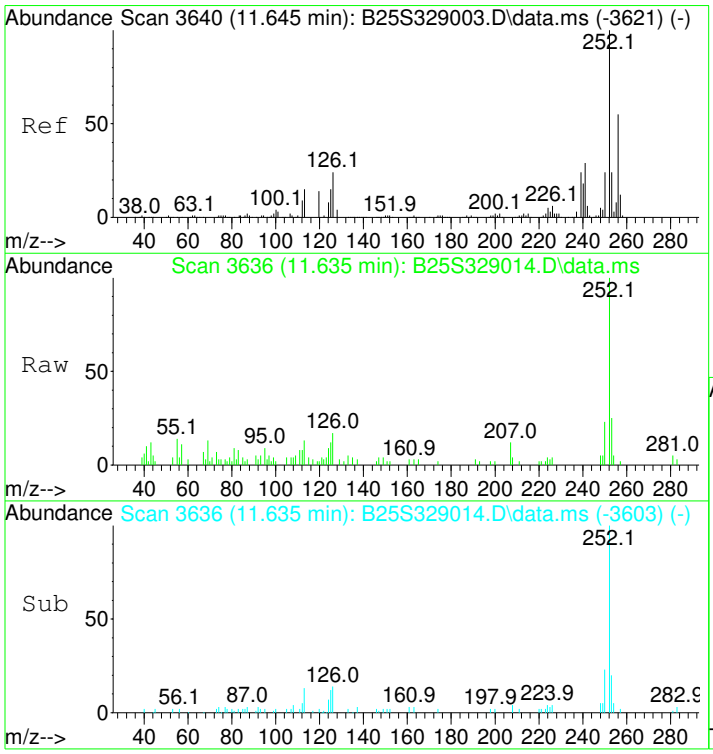


#78
Chrysene
Concen: 1.89 ug/ml
RT: 9.935 min Scan# 2975
Delta R.T. -0.018 min
Lab File: B25S329014.D
Acq: 25 Nov 2025 6:40 pm

Tgt Ion:228 Resp: 11751

Ion	Ratio	Lower	Upper
228	100		
226	30.0	8.1	48.1
229	24.7	0.0	38.9

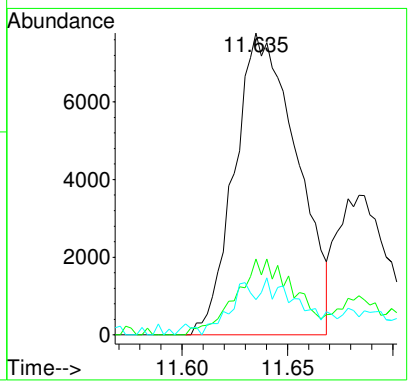


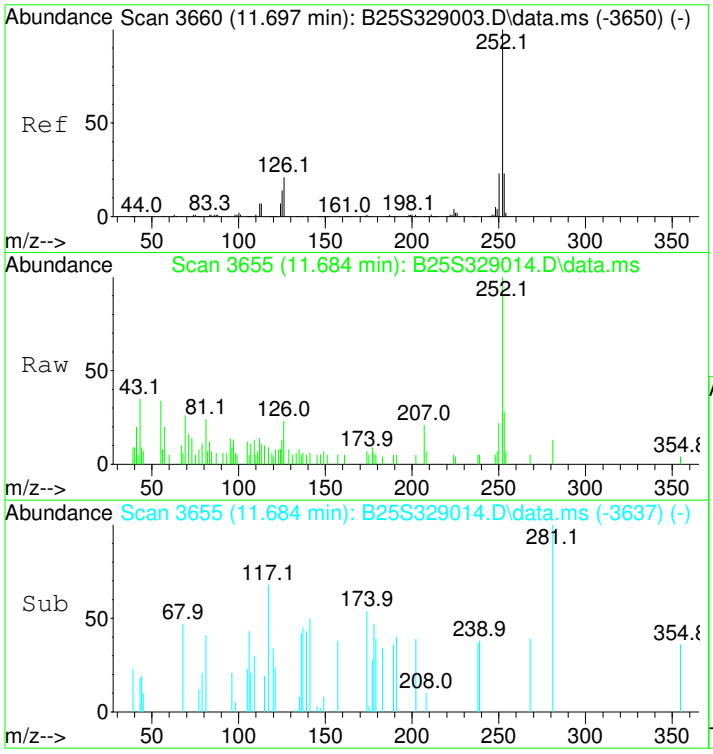


#82
Benzo(b)fluoranthene
Concen: 2.72 ug/ml
RT: 11.635 min Scan# 3636
Delta R.T. -0.018 min
Lab File: B25S329014.D
Acq: 25 Nov 2025 6:40 pm

Tgt Ion:252 Resp: 15970

Ion	Ratio	Lower	Upper
252	100		
253	11.0	2.2	42.2
125	7.7	0.0	34.5

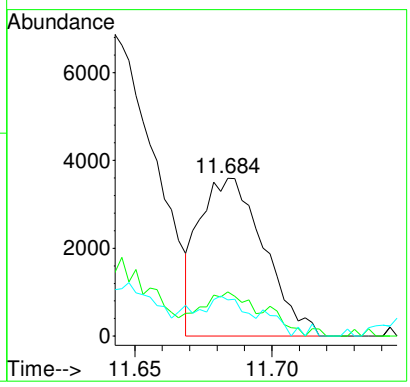


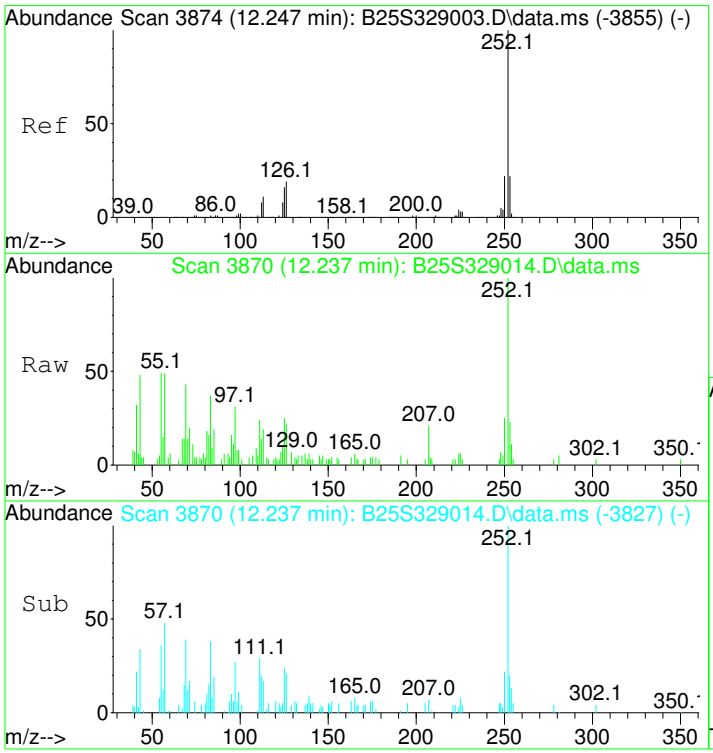


#83
Benzo(k)fluoranthene
Concen: 1.01 ug/ml
RT: 11.684 min Scan# 3655
Delta R.T. -0.020 min
Lab File: B25S329014.D
Acq: 25 Nov 2025 6:40 pm

Tgt Ion:252 Resp: 5898

Ion	Ratio	Lower	Upper
252	100		
253	12.1	0.7	40.7
126	7.5	0.0	39.4

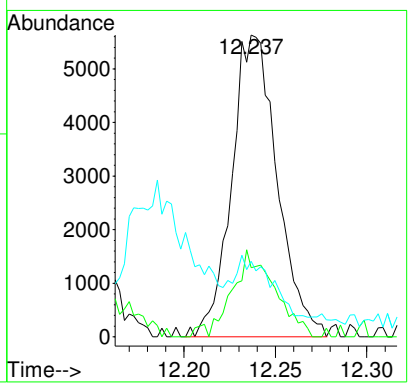


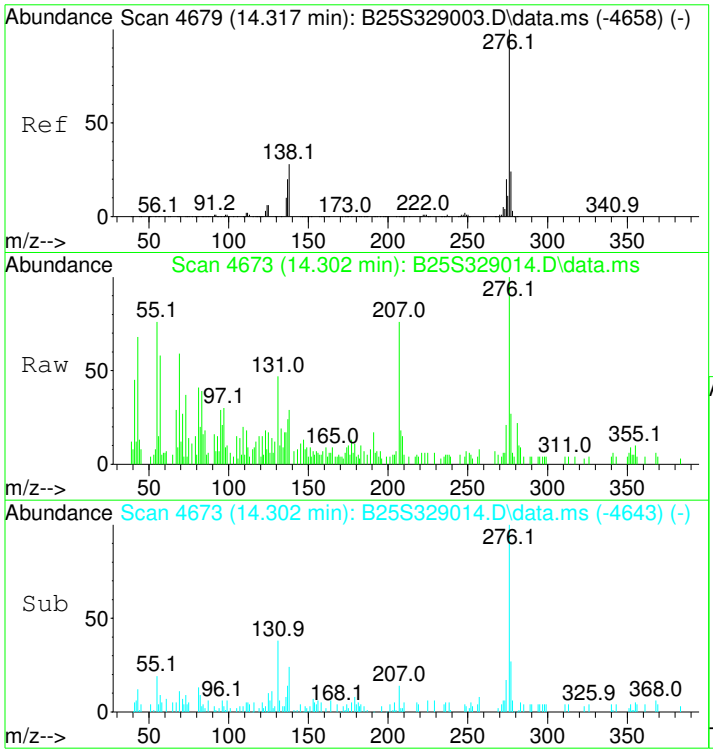


#84
Benzo(a)pyrene
Concen: 1.80 ug/ml
RT: 12.237 min Scan# 3870
Delta R.T. -0.015 min
Lab File: B25S329014.D
Acq: 25 Nov 2025 6:40 pm

Tgt Ion:252 Resp: 9761

Ion	Ratio	Lower	Upper
252	100		
253	26.0	0.4	40.4
125	16.3	0.0	34.0

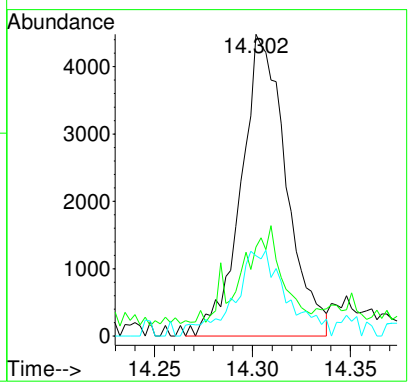


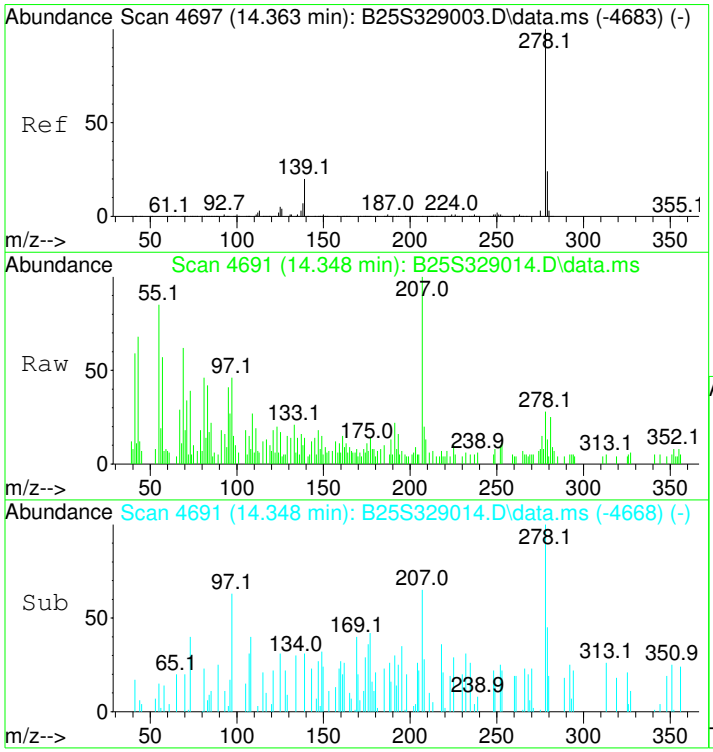


#85
Indeno(1,2,3-cd)pyrene
Concen: 1.48 ug/ml
RT: 14.302 min Scan# 4673
Delta R.T. -0.013 min
Lab File: B25S329014.D
Acq: 25 Nov 2025 6:40 pm

Tgt Ion:276 Resp: 7171

Ion	Ratio	Lower	Upper
276	100		
138	24.8	5.0	45.0
277	33.0	4.1	44.1

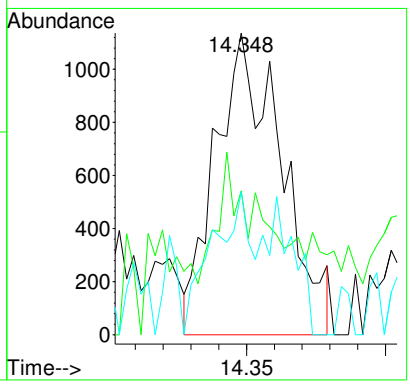


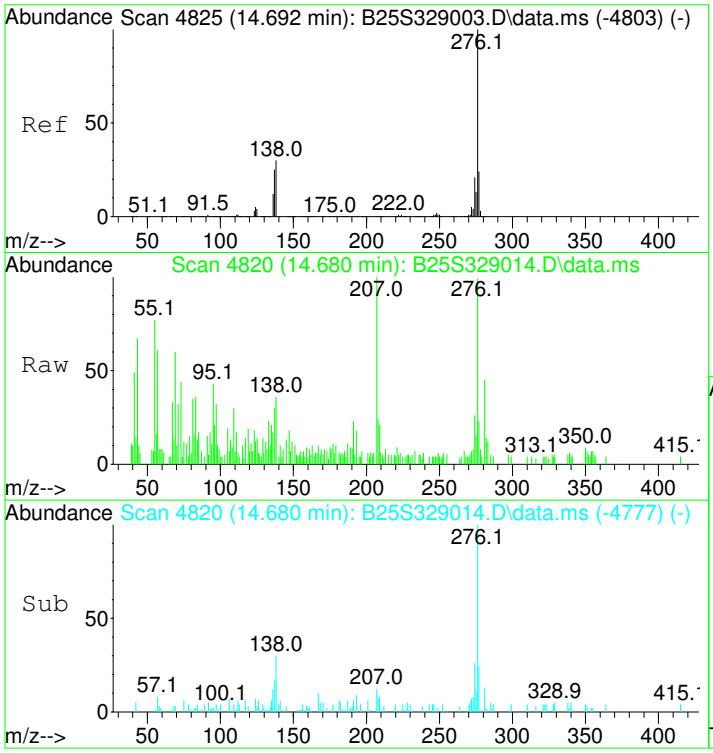


#86
Dibenz(a,h)anthracene
Concen: 0.37 ug/ml m
RT: 14.348 min Scan# 4691
Delta R.T. -0.013 min
Lab File: B25S329014.D
Acq: 25 Nov 2025 6:40 pm

Tgt Ion:278 Resp: 1864

Ion	Ratio	Lower	Upper
278	100		
139	14.9	1.1	41.1
279	20.1	3.5	43.5

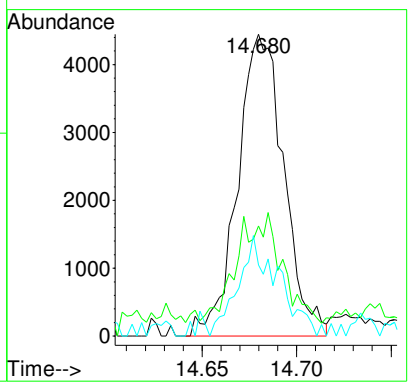


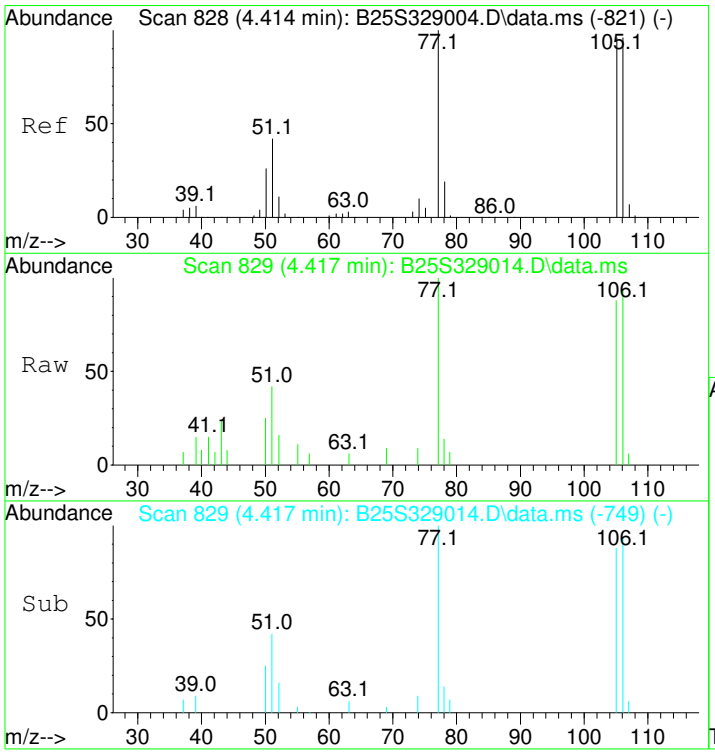


#87
Benzo(g,h,i)perylene
Concen: 1.40 ug/ml
RT: 14.680 min Scan# 4820
Delta R.T. -0.008 min
Lab File: B25S329014.D
Acq: 25 Nov 2025 6:40 pm

Tgt Ion:276 Resp: 7541

Ion	Ratio	Lower	Upper
276	100		
138	22.1	5.6	45.6
277	28.9	3.2	43.2

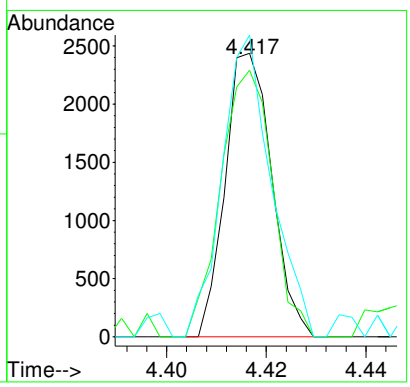




#90
Benzaldehyde
Concen: 0.78 ug/ml
RT: 4.417 min Scan# 829
Delta R.T. 0.005 min
Lab File: B25S329014.D
Acq: 25 Nov 2025 6:40 pm

Tgt Ion:106 Resp: 1581

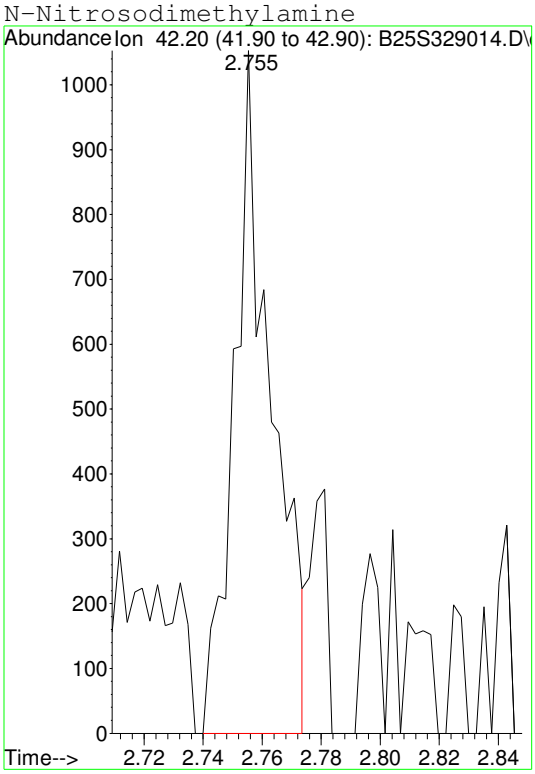
Ion	Ratio	Lower	Upper
106	100		
105	104.4	79.4	119.2
77	112.5	81.3	121.9



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329014.D
Acq On : 25 Nov 2025 6:40 pm
Operator : BGL
Sample : 25K1213-16@/RRT
Misc :

Quant Time : Wed Nov 26 12:11:42 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
N-Nitrosodimethylamine



Original Int. Results

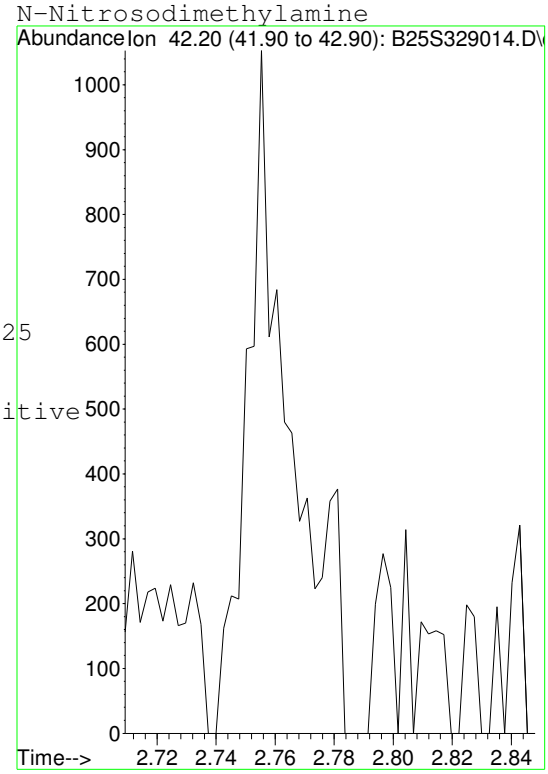
RT : 2.76
Area : 922
Amount: 0.854664

Manual Int. Results

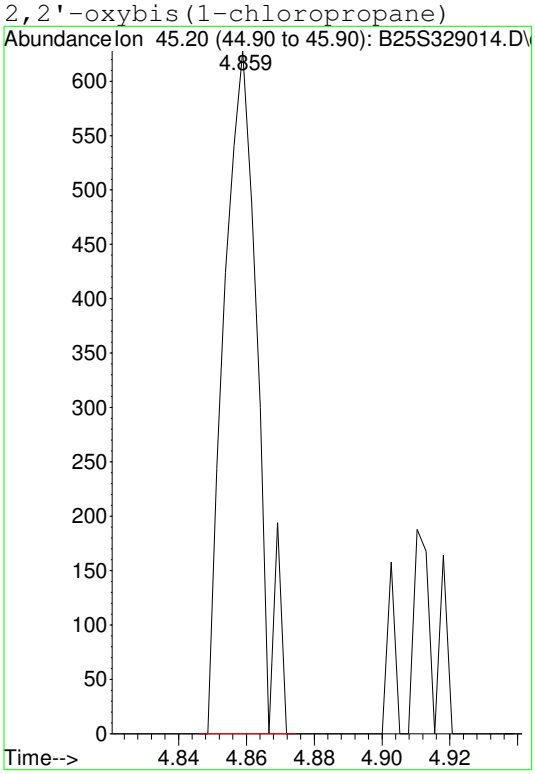
Wed Nov 26 11:59:47 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
N-Nitrosodimethylamine



Original Integration
2,2'-oxybis(1-chloropropane)



Original Int. Results

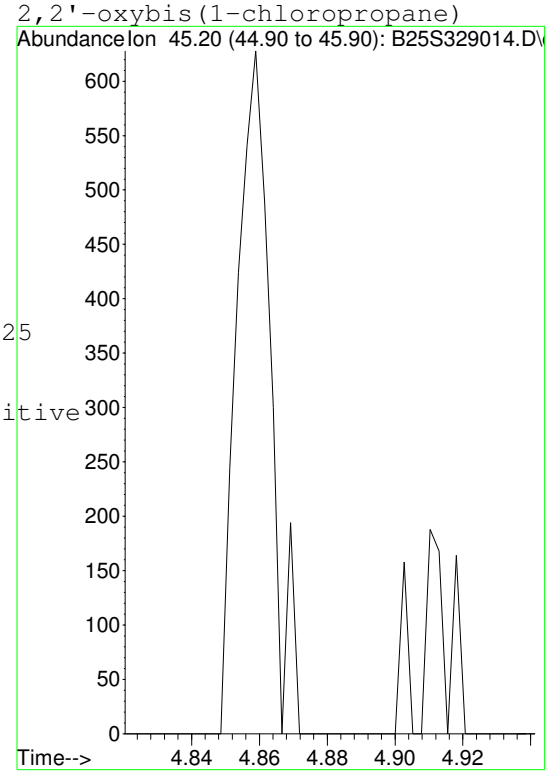
RT : 4.86
Area : 435
Amount: 0.172607

Manual Int. Results

Wed Nov 26 11:59:47 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

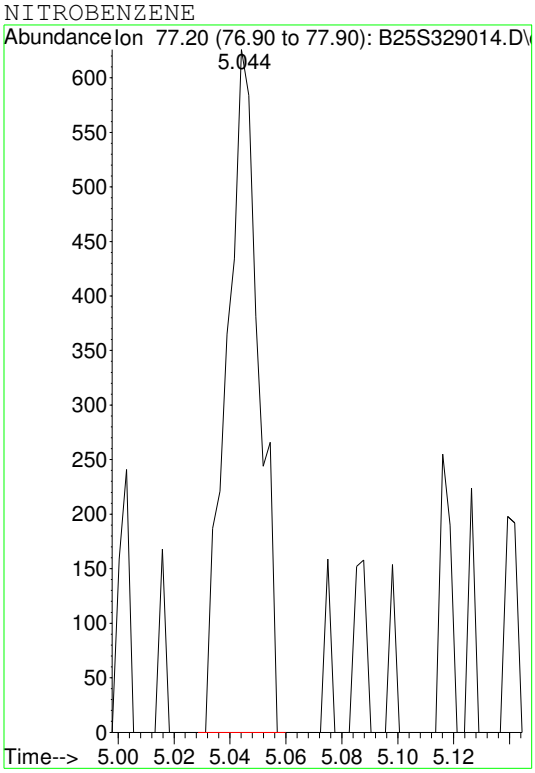
Manual Integration
2,2'-oxybis(1-chloropropane)



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329014.D
Acq On : 25 Nov 2025 6:40 pm
Operator : BGL
Sample : 25K1213-16@/RRT
Misc :

Quant Time : Wed Nov 26 12:11:42 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
NITROBENZENE



Original Int. Results

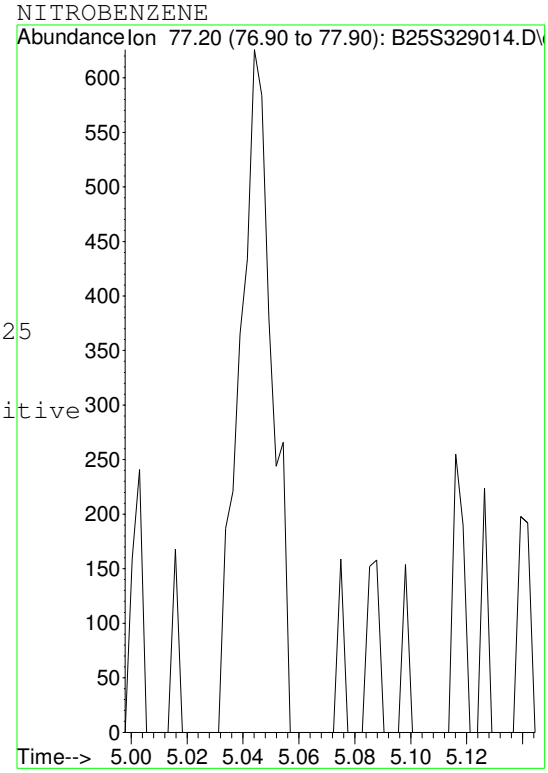
RT : 5.04
Area : 511
Amount: 0.220889

Manual Int. Results

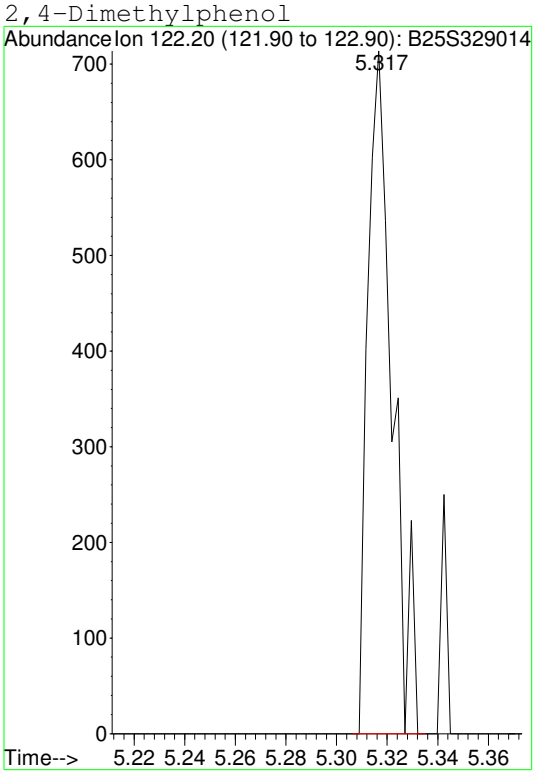
Wed Nov 26 11:59:53 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
NITROBENZENE



Original Integration
2,4-Dimethylphenol



Original Int. Results

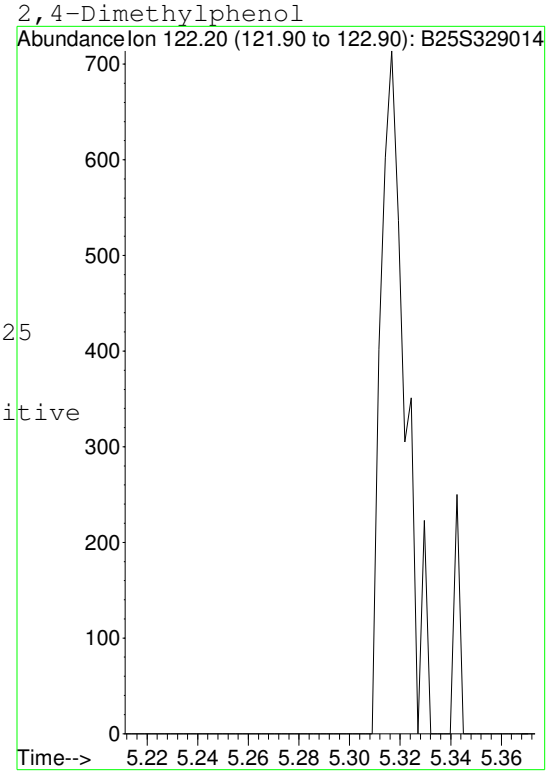
RT : 5.32
Area : 483
Amount: 0.262108

Manual Int. Results

Wed Nov 26 11:59:58 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

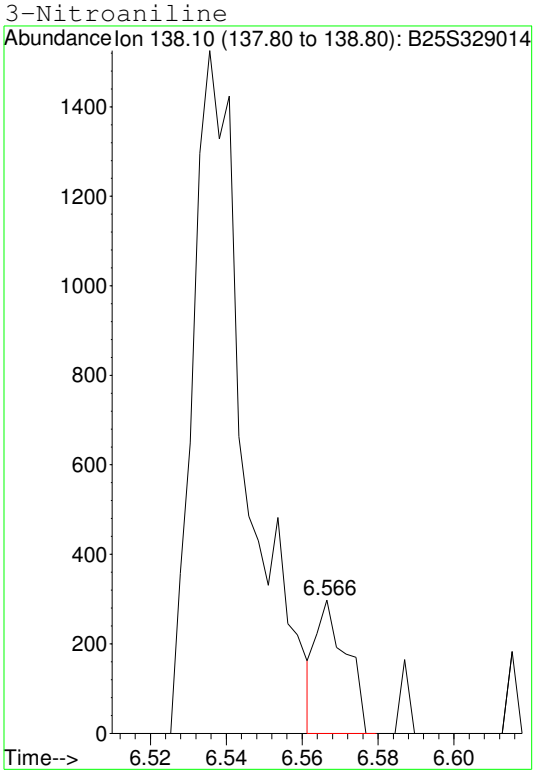
Manual Integration
2,4-Dimethylphenol



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329014.D
Acq On : 25 Nov 2025 6:40 pm
Operator : BGL
Sample : 25K1213-16@/RRT
Misc :

Quant Time : Wed Nov 26 12:11:42 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
3-Nitroaniline



Original Int. Results

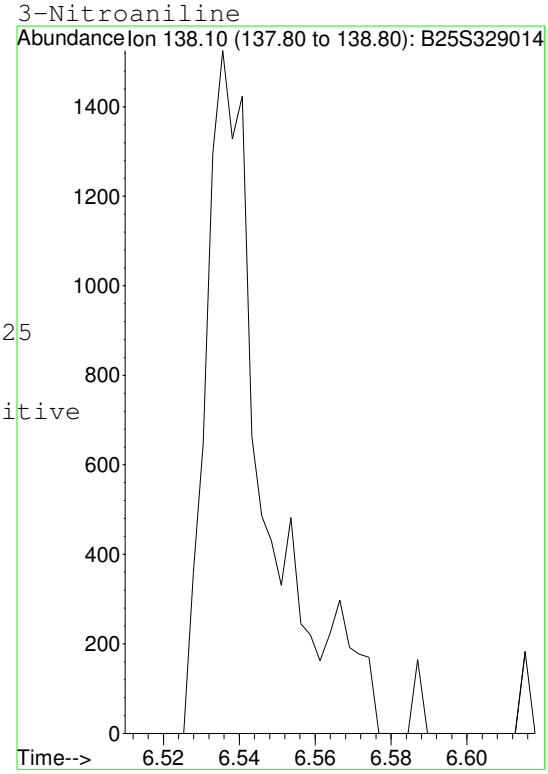
RT : 6.57
Area : 164
Amount: 0.154678

Manual Int. Results

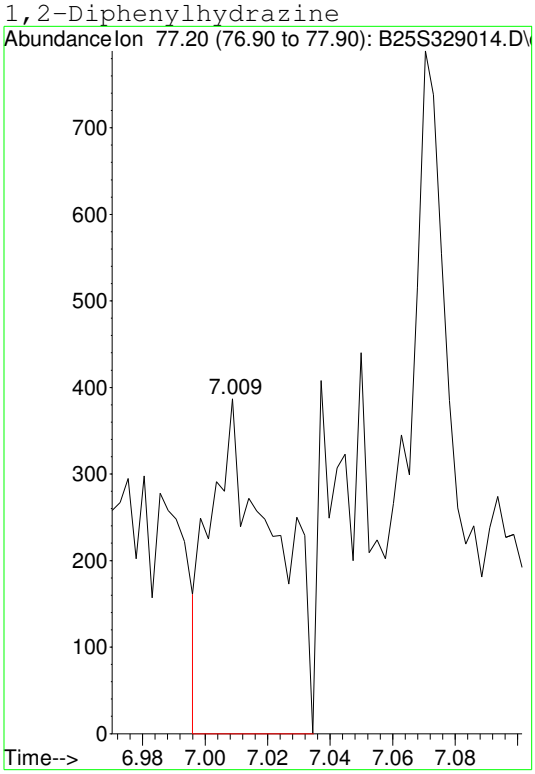
Wed Nov 26 12:09:59 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
3-Nitroaniline



Original Integration
1,2-Diphenylhydrazine



Original Int. Results

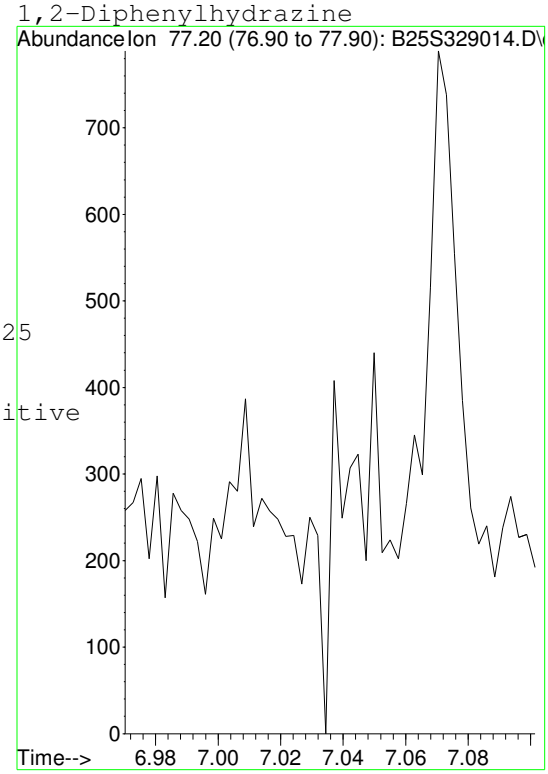
RT : 7.01
Area : 549
Amount: 0.136724

Manual Int. Results

Wed Nov 26 12:11:41 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

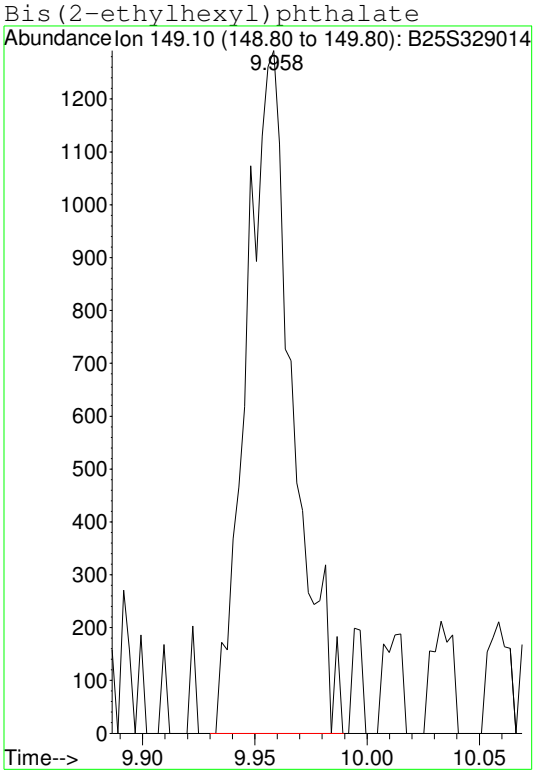
Manual Integration
1,2-Diphenylhydrazine



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329014.D
Acq On : 25 Nov 2025 6:40 pm
Operator : BGL
Sample : 25K1213-16@/RRT
Misc :

Quant Time : Wed Nov 26 12:11:42 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Bis(2-ethylhexyl)phthalate



Original Int. Results

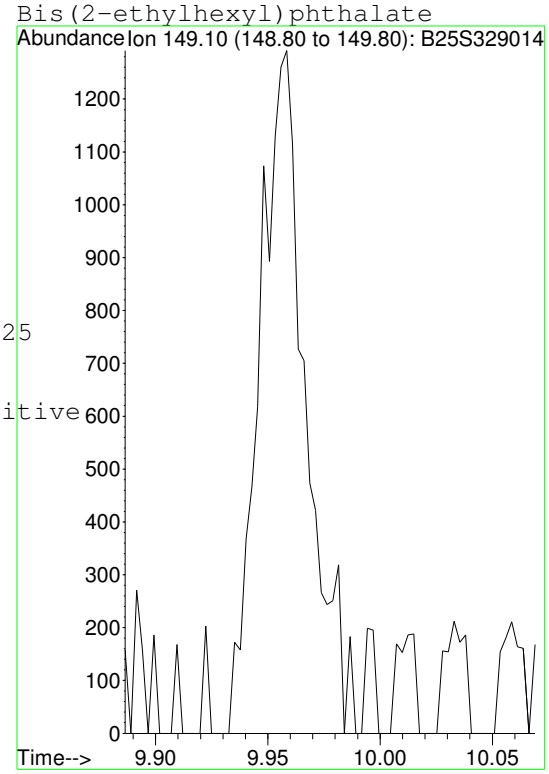
RT : 9.96
Area : 1872
Amount: 0.653322

Manual Int. Results

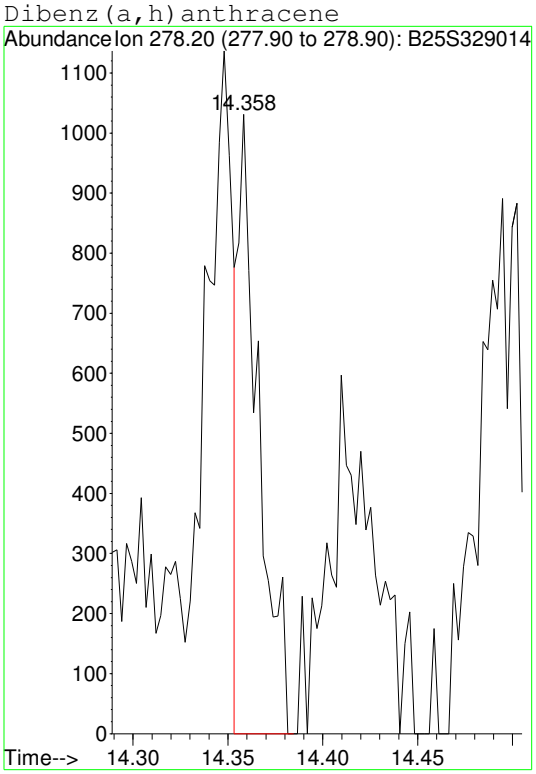
Wed Nov 26 12:10:29 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Bis(2-ethylhexyl)phthalate



Original Integration
Dibenz(a,h)anthracene



Original Int. Results

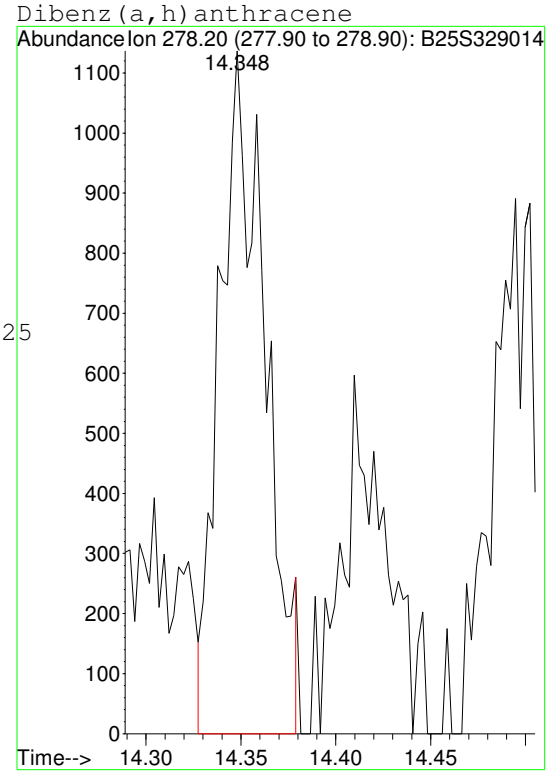
RT : 14.36
Area : 773
Amount: 0.152052

Manual Int. Results

Wed Nov 26 12:10:37 2025

MIuser: BGL
Reason: Other
RT : 14.35
Area : 1864
Amount: 0.366656

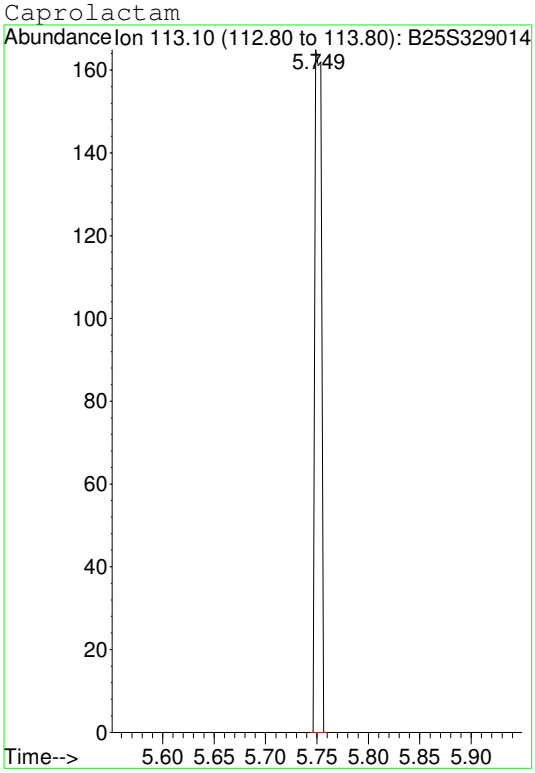
Manual Integration
Dibenz(a,h)anthracene



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329014.D
Acq On : 25 Nov 2025 6:40 pm
Operator : BGL
Sample : 25K1213-16@/RRT
Misc :

Quant Time : Wed Nov 26 12:11:42 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Caprolactam



Original Int. Results

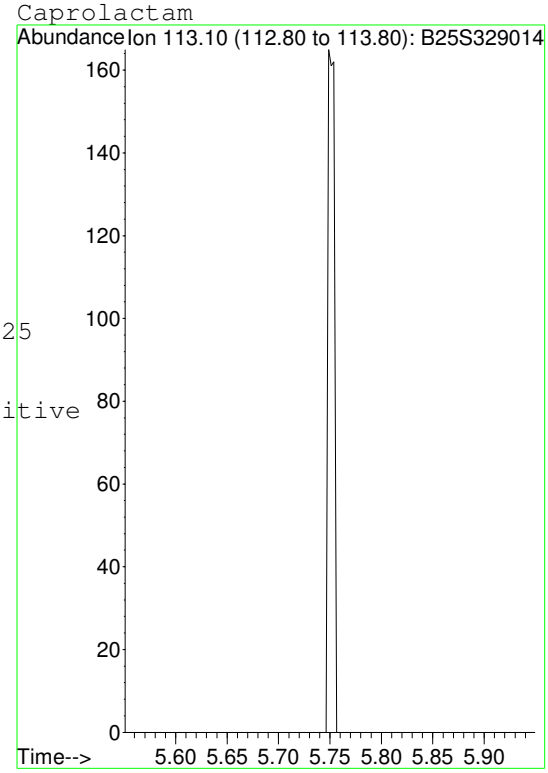
RT : 5.75
Area : 75
Amount: 0.106072

Manual Int. Results

Wed Nov 26 12:10:48 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Caprolactam



QC DATA

2 - FORM II

SYSTEM MONITORING COMPOUND SUMMARY

SW-846 8270E

Laboratory:	Pace New England	SDG:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Instrument:	GCMSSV2

	2,4,6-TBP (30% - 130%)	2-FlBiphenyl (30% - 130%)	2-Fiphenol (30% - 130%)	Nitrobenz-d5 (30% - 130%)	Phenol-d6 (30% - 130%)	Terphnyl-d14 (30% - 130%)
25K1213-01	54.9	54.8	45.8	48.6	47.4	54.3
25K1213-02	33.8	36.0	29.5*	32.9	30.9	39.0
25K1213-03	52.1	46.6	43.0	43.3	43.8	49.5
25K1213-04	53.1	54.2	47.2	48.1	46.9	55.5
25K1213-05	43.9	42.0	37.8	39.1	37.5	43.3
25K1213-06	61.6	56.7	51.2	51.8	50.4	62.6
25K1213-07	62.5	57.3	50.4	54.6	50.7	65.0
25K1213-08	64.2	60.0	51.9	54.4	52.1	69.7
25K1213-09	62.3	57.0	47.9	50.8	50.1	67.0
25K1213-10	57.8	57.6	50.3	52.5	49.9	65.5
25K1213-11	51.4	46.3	37.5	40.0	38.7	53.8
25K1213-12	60.3	60.0	52.0	55.1	51.6	66.4
25K1213-15	80.9	72.0	67.0	67.0	66.1	85.7
25K1213-16	48.0	48.2	42.0	42.6	41.5	49.7
B417934-BLK1	69.7	63.2	58.7	58.4	56.8	66.5
B417934-BS1	76.5	63.6	56.9	56.7	56.4	62.4
B417934-BSD1	73.8	60.0	56.1	55.4	55.3	61.1

2 - FORM II

SYSTEM MONITORING COMPOUND SUMMARY

SW-846 8270E

Laboratory:	Pace New England	SDG:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Instrument:	GCMSSV2

	2,4,6-TBP (30% - 130%)	2-FlBiphenyl (30% - 130%)	2-Fiphenol (30% - 130%)	Nitrobenz-d5 (30% - 130%)	Phenol-d6 (30% - 130%)	Terphnyl-d14 (30% - 130%)
25K1213-13RE1	57.5	60.5	57.2	59.5	57.8	64.3
25K1213-14RE1	61.4	54.3	47.0	45.8	51.1	55.8
B418195-BLK1	86.8	79.3	76.0	78.2	76.6	85.0
B418195-BS1	94.1	79.4	75.0	74.0	74.6	82.8
B418195-BSD1	102	81.5	75.9	79.1	76.3	85.9
B418195-MS1	62.1	59.1	51.4	49.6	53.1	63.3
B418195-MS2	45.6	43.8	41.3	42.9	43.4	42.8
B418195-MSD1	82.2	69.7	64.5	63.5	66.5	72.7
B418195-MSD2	53.8	46.1	43.7	40.8	43.7	46.3

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

B-2 (0-2in)

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B418195	Preparation:	SW-846 3546
% Solids:	83.74	Laboratory ID:	B418195-MS1
Initial/Final:	30.47 g / 1 mL	Sample Lab ID:	25K1213-13RE1
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
2,3,4,6-Tetrachlorophenol	1.960	ND	0.900	45.9		40 - 140
Atrazine	1.960	ND	1.39	70.9		40 - 140
Benzaldehyde	1.960	0.0831	0.869	40.1		40 - 140
Biphenyl	1.960	ND	1.19	60.8		40 - 140
Caprolactam	1.960	ND	1.07	54.7		40 - 140
Acenaphthene	1.960	ND	1.07	54.4		40 - 140
Acenaphthylene	1.960	0.00745	1.19	60.5		40 - 140
Acetophenone	1.960	ND	0.970	49.5		40 - 140
Aniline	1.960	ND	0.363	18.5	*	40 - 140
Anthracene	1.960	0.00784	1.15	58.3		40 - 140
Benzo(a)anthracene	1.960	0.0490	1.23	60.2		40 - 140
Benzo(a)pyrene	1.960	0.0506	1.30	63.6		40 - 140
Benzo(b)fluoranthene	1.960	0.0780	1.39	67.2		40 - 140
Benzo(g,h,i)perylene	1.960	0.0431	1.27	62.4		40 - 140
Benzo(k)fluoranthene	1.960	0.0271	1.24	62.1		40 - 140
Bis(2-chloroethoxy)methane	1.960	ND	0.987	50.4		40 - 140
Bis(2-chloroethyl)ether	1.960	ND	0.976	49.8		40 - 140
2,2'-oxybis(1-Chloropropane)	1.960	ND	1.19	60.8		40 - 140
Bis(2-Ethylhexyl)phthalate	1.960	ND	1.80	91.7		40 - 140
4-Bromophenylphenylether	1.960	ND	1.25	64.0		40 - 140
Butylbenzylphthalate	1.960	ND	1.34	68.1		40 - 140
Carbazole	1.960	ND	1.17	59.6		40 - 140
4-Chloroaniline	1.960	ND	0.360	18.4	*	40 - 140
4-Chloro-3-methylphenol	1.960	ND	1.15	58.7		30 - 130
2-Chloronaphthalene	1.960	ND	0.997	50.9		40 - 140
2-Chlorophenol	1.960	ND	0.954	48.7		30 - 130
4-Chlorophenylphenylether	1.960	ND	1.21	61.6		40 - 140
Chrysene	1.960	0.0561	1.22	59.3		40 - 140
Dibenz(a,h)anthracene	1.960	ND	1.33	68.1		40 - 140
Dibenzofuran	1.960	ND	1.19	60.5		40 - 140

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

B-2 (0-2in)

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B418195	Preparation:	SW-846 3546
% Solids:	83.74	Laboratory ID:	B418195-MS1
Initial/Final:	30.47 g / 1 mL	Sample Lab ID:	25K1213-13RE1
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
Di-n-butylphthalate	1.960	ND	1.41	71.8		40 - 140
3,3-Dichlorobenzidine	1.960	0.00	0.0510	2.60	*	40 - 140
2,4-Dichlorophenol	1.960	ND	1.12	57.1		30 - 130
Diethylphthalate	1.960	ND	1.27	65.0		40 - 140
2,4-Dimethylphenol	1.960	ND	1.09	55.9		30 - 130
Dimethylphthalate	1.960	ND	1.24	63.4		40 - 140
4,6-Dinitro-2-methylphenol	1.960	ND	0.778	39.7		30 - 130
2,4-Dinitrophenol	1.960	0.00	0.358	18.3	*	30 - 130
2,4-Dinitrotoluene	1.960	ND	1.24	63.4		40 - 140
2,6-Dinitrotoluene	1.960	ND	1.25	63.8		40 - 140
Di-n-octylphthalate	1.960	ND	1.83	93.2		40 - 140
Fluoranthene	1.960	0.0941	1.41	67.2		40 - 140
Fluorene	1.960	ND	1.22	62.1		40 - 140
Hexachlorobenzene	1.960	ND	1.34	68.5		40 - 140
Hexachlorobutadiene	1.960	ND	1.09	55.8		40 - 140
Hexachlorocyclopentadiene	1.960	0.00	0.0172	0.880	*	30 - 130
Hexachloroethane	1.960	ND	0.563	28.7	*	40 - 140
Indeno(1,2,3-cd)pyrene	1.960	0.0455	1.40	69.0		40 - 140
Isophorone	1.960	ND	1.11	56.6		40 - 140
1-Methylnaphthalene	1.960	0.00549	1.08	54.9		40 - 140
2-Methylnaphthalene	1.960	0.00706	0.982	49.8		40 - 140
2-Methylphenol	1.960	ND	1.04	53.2		30 - 130
3/4-Methylphenol	1.960	ND	1.10	56.1		30 - 130
Naphthalene	1.960	0.00980	0.997	50.4		40 - 140
2-Nitroaniline	1.960	ND	1.21	61.5		40 - 140
3-Nitroaniline	1.960	ND	1.57	79.9		40 - 140
4-Nitroaniline	1.960	ND	0.629	32.1	*	40 - 140
Nitrobenzene	1.960	ND	0.948	48.4		40 - 140
2-Nitrophenol	1.960	ND	0.966	49.3		30 - 130
4-Nitrophenol	1.960	ND	1.31	67.0		30 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

B-2 (0-2in)

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B418195	Preparation:	SW-846 3546
% Solids:	83.74	Laboratory ID:	B418195-MS1
Initial/Final:	30.47 g / 1 mL	Sample Lab ID:	25K1213-13RE1
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
N-Nitrosodiphenylamine/Diphenylamine	1.960	ND	1.16	59.1		40 - 140
N-Nitrosodi-n-propylamine	1.960	ND	1.06	54.1		40 - 140
Pentachlorophenol	1.960	ND	0.696	35.5		30 - 130
Phenanthrene	1.960	0.0361	1.19	59.0		40 - 140
Phenol	1.960	ND	1.07	54.8		30 - 130
Pyrene	1.960	0.0698	1.14	54.8		40 - 140
Pyridine	1.960	ND	0.579	29.6	*	40 - 140
1,2,4,5-Tetrachlorobenzene	1.960	ND	1.15	58.6		40 - 140
2,4,5-Trichlorophenol	1.960	ND	1.21	61.7		30 - 130
2,4,6-Trichlorophenol	1.960	ND	1.06	54.0		30 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

B-2 (0-2in)

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B418195	Preparation:	SW-846 3546
% Solids:	83.74	Laboratory ID:	B418195-MSD1
Initial/Final:	30.42 g / 1 mL	Sample Lab ID:	25K1213-13RE1
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #		% RPD		QC LIMITS RPD	QC LIMITS REC.
2,3,4,6-Tetrachlorophenol	1.963	1.22	61.9		29.9		30	40 - 140
Atrazine	1.963	1.68	85.8		19.1		30	40 - 140
Benzaldehyde	1.963	1.05	49.5		19.3		30	40 - 140
Biphenyl	1.963	1.37	69.6		13.7		30	40 - 140
Caprolactam	1.963	1.29	65.7		18.5		30	40 - 140
Acenaphthene	1.963	1.28	65.1		18.1		30	40 - 140
Acenaphthylene	1.963	1.39	70.4		15.3		30	40 - 140
Acetophenone	1.963	1.21	61.4		21.6		30	40 - 140
Aniline	1.963	0.680	34.7	*	60.8	*	30	40 - 140
Anthracene	1.963	1.33	67.5		14.6		30	40 - 140
Benzo(a)anthracene	1.963	1.37	67.5		11.2		30	40 - 140
Benzo(a)pyrene	1.963	1.45	71.5		11.5		30	40 - 140
Benzo(b)fluoranthene	1.963	1.47	71.1		5.58		30	40 - 140
Benzo(g,h,i)perylene	1.963	1.31	64.7		3.69		30	40 - 140
Benzo(k)fluoranthene	1.963	1.39	69.5		11.1		30	40 - 140
Bis(2-chloroethoxy)methane	1.963	1.26	64.1		24.2		30	40 - 140
Bis(2-chloroethyl)ether	1.963	1.30	66.2		28.5		30	40 - 140
2,2'-oxybis(1-Chloropropane)	1.963	1.65	83.8		32.0	*	30	40 - 140
Bis(2-Ethylhexyl)phthalate	1.963	1.79	91.0		0.646		30	40 - 140
4-Bromophenylphenylether	1.963	1.45	73.9		14.4		30	40 - 140
Butylbenzylphthalate	1.963	1.47	74.7		9.38		30	40 - 140
Carbazole	1.963	1.37	69.9		16.0		30	40 - 140
4-Chloroaniline	1.963	0.669	34.1	*	60.2	*	30	40 - 140
4-Chloro-3-methylphenol	1.963	1.31	66.7		12.9		30	30 - 130
2-Chloronaphthalene	1.963	1.13	57.5		12.4		30	40 - 140
2-Chlorophenol	1.963	1.17	59.8		20.6		30	30 - 130
4-Chlorophenylphenylether	1.963	1.41	71.9		15.7		30	40 - 140
Chrysene	1.963	1.36	66.4		10.9		30	40 - 140
Dibenz(a,h)anthracene	1.963	1.37	69.8		2.72		30	40 - 140
Dibenzofuran	1.963	1.36	69.2		13.6		30	40 - 140

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

B-2 (0-2in)

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B418195	Preparation:	SW-846 3546
% Solids:	83.74	Laboratory ID:	B418195-MSD1
Initial/Final:	30.42 g / 1 mL	Sample Lab ID:	25K1213-13RE1
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #		% RPD		QC LIMITS RPD	QC LIMITS REC.
Di-n-butylphthalate	1.963	1.53	77.7		8.06		30	40 - 140
3,3-Dichlorobenzidine	1.963	0.158	8.06	*			30	40 - 140
2,4-Dichlorophenol	1.963	1.26	64.4		12.2		30	30 - 130
Diethylphthalate	1.963	1.46	74.2		13.4		30	40 - 140
2,4-Dimethylphenol	1.963	1.32	67.2		18.6		30	30 - 130
Dimethylphthalate	1.963	1.41	71.7		12.5		30	40 - 140
4,6-Dinitro-2-methylphenol	1.963	1.33	67.5		52.0	*	30	30 - 130
2,4-Dinitrophenol	1.963	1.35	68.6				30	30 - 130
2,4-Dinitrotoluene	1.963	1.49	75.9		18.1		30	40 - 140
2,6-Dinitrotoluene	1.963	1.51	77.0		18.8		30	40 - 140
Di-n-octylphthalate	1.963	1.73	88.0		5.53		30	40 - 140
Fluoranthene	1.963	1.54	73.5		8.63		30	40 - 140
Fluorene	1.963	1.39	70.7		13.0		30	40 - 140
Hexachlorobenzene	1.963	1.51	76.8		11.5		30	40 - 140
Hexachlorobutadiene	1.963	1.26	64.4		14.4		30	40 - 140
Hexachlorocyclopentadiene	1.963	0.235	12.0	*			30	30 - 130
Hexachloroethane	1.963	0.976	49.7		53.7	*	30	40 - 140
Indeno(1,2,3-cd)pyrene	1.963	1.43	70.7		2.44		30	40 - 140
Isophorone	1.963	1.38	70.4		21.9		30	40 - 140
1-Methylnaphthalene	1.963	1.22	61.8		12.0		30	40 - 140
2-Methylnaphthalene	1.963	1.11	56.4		12.6		30	40 - 140
2-Methylphenol	1.963	1.25	63.8		18.4		30	30 - 130
3/4-Methylphenol	1.963	1.31	66.7		17.3		30	30 - 130
Naphthalene	1.963	1.21	61.1		19.2		30	40 - 140
2-Nitroaniline	1.963	1.33	67.8		9.82		30	40 - 140
3-Nitroaniline	1.963	1.37	69.9		13.1		30	40 - 140
4-Nitroaniline	1.963	0.923	47.0		37.9	*	30	40 - 140
Nitrobenzene	1.963	1.21	61.7		24.4		30	40 - 140
2-Nitrophenol	1.963	1.25	63.7		25.6		30	30 - 130
4-Nitrophenol	1.963	1.51	76.8		13.7		30	30 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

B-2 (0-2in)

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B418195	Preparation:	SW-846 3546
% Solids:	83.74	Laboratory ID:	B418195-MSD1
Initial/Final:	30.42 g / 1 mL	Sample Lab ID:	25K1213-13RE1
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #		% RPD		QC LIMITS RPD	QC LIMITS REC.
N-Nitrosodiphenylamine/Diphenylamine	1.963	1.33	67.7		13.8		30	40 - 140
N-Nitrosodi-n-propylamine	1.963	1.29	65.6		19.4		30	40 - 140
Pentachlorophenol	1.963	1.02	51.8		37.6	*	30	30 - 130
Phenanthrene	1.963	1.32	65.5		10.2		30	40 - 140
Phenol	1.963	1.30	66.1		19.0		30	30 - 130
Pyrene	1.963	1.29	62.0		11.7		30	40 - 140
Pyridine	1.963	0.769	39.2	*	28.2		30	40 - 140
1,2,4,5-Tetrachlorobenzene	1.963	1.38	70.3		18.3		30	40 - 140
2,4,5-Trichlorophenol	1.963	1.43	72.9		16.8		30	30 - 130
2,4,6-Trichlorophenol	1.963	1.26	64.0		17.1		30	30 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

B-2 (2-12in)

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B418195	Preparation:	SW-846 3546
% Solids:	83.23	Laboratory ID:	B418195-MS2
Initial/Final:	30.07 g / 1 mL	Sample Lab ID:	25K1213-14RE1
Column:			

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

B-2 (2-12in)

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B418195	Preparation:	SW-846 3546
% Solids:	83.23	Laboratory ID:	B418195-MS2
Initial/Final:	30.07 g / 1 mL	Sample Lab ID:	25K1213-14RE1
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
2,3,4,6-Tetrachlorophenol	1.998	ND	0.740	37.0	*	40 - 140
Atrazine	1.998	ND	0.885	44.3		40 - 140
Benzaldehyde	1.998	ND	0.655	32.8	*	40 - 140
Biphenyl	1.998	ND	0.888	44.5		40 - 140
Caprolactam	1.998	ND	0.745	37.3	*	40 - 140
Acenaphthene	1.998	ND	0.805	40.3		40 - 140
Acenaphthylene	1.998	0.0171	0.885	43.4		40 - 140
Acetophenone	1.998	ND	0.814	40.7		40 - 140
Aniline	1.998	ND	0.327	16.4	*	40 - 140
Anthracene	1.998	0.0167	0.817	40.0		40 - 140
Benzo(a)anthracene	1.998	0.0733	0.910	41.9		40 - 140
Benzo(a)pyrene	1.998	0.0817	0.935	42.7		40 - 140
Benzo(b)fluoranthene	1.998	0.116	0.983	43.4		40 - 140
Benzo(g,h,i)perylene	1.998	0.0718	0.892	41.1		40 - 140
Benzo(k)fluoranthene	1.998	0.0415	0.857	40.8		40 - 140
Bis(2-chloroethoxy)methane	1.998	ND	0.820	41.0		40 - 140
Bis(2-chloroethyl)ether	1.998	ND	0.894	44.8		40 - 140
2,2'-oxybis(1-Chloropropane)	1.998	ND	1.13	56.8		40 - 140
Bis(2-Ethylhexyl)phthalate	1.998	ND	1.16	57.8		40 - 140
4-Bromophenylphenylether	1.998	ND	0.859	43.0		40 - 140
Butylbenzylphthalate	1.998	ND	0.968	48.4		40 - 140
Carbazole	1.998	ND	0.823	41.2		40 - 140
4-Chloroaniline	1.998	ND	0.403	20.2	*	40 - 140
4-Chloro-3-methylphenol	1.998	ND	0.813	40.7		30 - 130
2-Chloronaphthalene	1.998	ND	0.736	36.8	*	40 - 140
2-Chlorophenol	1.998	ND	0.783	39.2		30 - 130
4-Chlorophenylphenylether	1.998	ND	0.828	41.4		40 - 140
Chrysene	1.998	0.0945	0.905	40.6		40 - 140
Dibenz(a,h)anthracene	1.998	ND	0.874	43.7		40 - 140
Dibenzofuran	1.998	ND	0.835	41.8		40 - 140

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

B-2 (2-12in)

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B418195	Preparation:	SW-846 3546
% Solids:	83.23	Laboratory ID:	B418195-MS2
Initial/Final:	30.07 g / 1 mL	Sample Lab ID:	25K1213-14RE1
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
Di-n-butylphthalate	1.998	ND	0.945	47.3		40 - 140
3,3-Dichlorobenzidine	1.998	ND	0.186	9.30	*	40 - 140
2,4-Dichlorophenol	1.998	ND	0.782	39.2		30 - 130
Diethylphthalate	1.998	ND	0.884	44.3		40 - 140
2,4-Dimethylphenol	1.998	ND	0.789	39.5		30 - 130
Dimethylphthalate	1.998	ND	0.863	43.2		40 - 140
4,6-Dinitro-2-methylphenol	1.998	ND	0.927	46.4		30 - 130
2,4-Dinitrophenol	1.998	ND	0.716	35.9		30 - 130
2,4-Dinitrotoluene	1.998	ND	0.869	43.5		40 - 140
2,6-Dinitrotoluene	1.998	ND	0.892	44.6		40 - 140
Di-n-octylphthalate	1.998	ND	1.08	54.1		40 - 140
Fluoranthene	1.998	0.167	0.946	39.0	*	40 - 140
Fluorene	1.998	0.00638	0.828	41.1		40 - 140
Hexachlorobenzene	1.998	ND	0.879	44.0		40 - 140
Hexachlorobutadiene	1.998	ND	0.804	40.3		40 - 140
Hexachlorocyclopentadiene	1.998	ND	0.0911	4.56	*	30 - 130
Hexachloroethane	1.998	ND	0.658	32.9	*	40 - 140
Indeno(1,2,3-cd)pyrene	1.998	0.0733	0.975	45.1		40 - 140
Isophorone	1.998	ND	0.941	47.1		40 - 140
1-Methylnaphthalene	1.998	0.00718	0.783	38.8	*	40 - 140
2-Methylnaphthalene	1.998	0.00957	0.720	35.6	*	40 - 140
2-Methylphenol	1.998	ND	0.811	40.6		30 - 130
3/4-Methylphenol	1.998	ND	0.832	41.6		30 - 130
Naphthalene	1.998	0.0116	0.785	38.7	*	40 - 140
2-Nitroaniline	1.998	ND	1.01	50.6		40 - 140
3-Nitroaniline	1.998	ND	0.649	32.5	*	40 - 140
4-Nitroaniline	1.998	ND	0.574	28.7	*	40 - 140
Nitrobenzene	1.998	ND	0.869	43.5		40 - 140
2-Nitrophenol	1.998	ND	0.819	41.0		30 - 130
4-Nitrophenol	1.998	ND	0.961	48.1		30 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

B-2 (2-12in)

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B418195	Preparation:	SW-846 3546
% Solids:	83.23	Laboratory ID:	B418195-MS2
Initial/Final:	30.07 g / 1 mL	Sample Lab ID:	25K1213-14RE1
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
N-Nitrosodiphenylamine/Diphenylamine	1.998	ND	0.854	42.8		40 - 140
N-Nitrosodi-n-propylamine	1.998	ND	0.926	46.3		40 - 140
Pentachlorophenol	1.998	ND	0.655	32.8		30 - 130
Phenanthrene	1.998	0.0694	0.864	39.8	*	40 - 140
Phenol	1.998	ND	0.825	41.3		30 - 130
Pyrene	1.998	0.118	0.881	38.2	*	40 - 140
Pyridine	1.998	ND	0.527	26.4	*	40 - 140
1,2,4,5-Tetrachlorobenzene	1.998	ND	0.863	43.2		40 - 140
2,4,5-Trichlorophenol	1.998	ND	0.872	43.7		30 - 130
2,4,6-Trichlorophenol	1.998	ND	0.829	41.5		30 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

B-2 (2-12in)

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B418195	Preparation:	SW-846 3546
% Solids:	83.23	Laboratory ID:	B418195-MSD2
Initial/Final:	30.09 g / 1 mL	Sample Lab ID:	25K1213-14RE1
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #		% RPD		QC LIMITS RPD	QC LIMITS REC.
2,3,4,6-Tetrachlorophenol	1.996	0.861	43.1		15.2		30	40 - 140
Atrazine	1.996	1.11	55.5		22.3		30	40 - 140
Benzaldehyde	1.996	0.727	36.4	*	10.4		30	40 - 140
Biphenyl	1.996	0.928	46.5		4.33		30	40 - 140
Caprolactam	1.996	0.813	40.7		8.71		30	40 - 140
Acenaphthene	1.996	0.871	43.6		7.85		30	40 - 140
Acenaphthylene	1.996	0.956	47.0		7.74		30	40 - 140
Acetophenone	1.996	0.732	36.6	*	10.7		30	40 - 140
Aniline	1.996	0.402	20.2	*	20.7		30	40 - 140
Anthracene	1.996	0.883	43.4		7.78		30	40 - 140
Benzo(a)anthracene	1.996	0.969	44.9		6.31		30	40 - 140
Benzo(a)pyrene	1.996	0.999	45.9		6.58		30	40 - 140
Benzo(b)fluoranthene	1.996	1.03	45.7		4.54		30	40 - 140
Benzo(g,h,i)perylene	1.996	0.908	41.9		1.71		30	40 - 140
Benzo(k)fluoranthene	1.996	0.944	45.2		9.65		30	40 - 140
Bis(2-chloroethoxy)methane	1.996	0.801	40.1		2.38		30	40 - 140
Bis(2-chloroethyl)ether	1.996	0.857	42.9		4.22		30	40 - 140
2,2'-oxybis(1-Chloropropane)	1.996	0.781	39.1	*	36.9	*	30	40 - 140
Bis(2-Ethylhexyl)phthalate	1.996	2.15	108		60.1	*	30	40 - 140
4-Bromophenylphenylether	1.996	0.906	45.4		5.32		30	40 - 140
Butylbenzylphthalate	1.996	1.01	50.8		4.61		30	40 - 140
Carbazole	1.996	0.971	48.6		16.4		30	40 - 140
4-Chloroaniline	1.996	0.492	24.7	*	20.0		30	40 - 140
4-Chloro-3-methylphenol	1.996	0.856	42.9		5.10		30	30 - 130
2-Chloronaphthalene	1.996	0.768	38.5	*	4.29		30	40 - 140
2-Chlorophenol	1.996	0.795	39.8		1.50		30	30 - 130
4-Chlorophenylphenylether	1.996	0.910	45.6		9.45		30	40 - 140
Chrysene	1.996	0.940	42.3		3.83		30	40 - 140
Dibenz(a,h)anthracene	1.996	0.937	46.9		6.99		30	40 - 140
Dibenzofuran	1.996	0.915	45.8		9.20		30	40 - 140

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

B-2 (2-12in)

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B418195	Preparation:	SW-846 3546
% Solids:	83.23	Laboratory ID:	B418195-MSD2
Initial/Final:	30.09 g / 1 mL	Sample Lab ID:	25K1213-14RE1
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #		% RPD	QC LIMITS RPD	QC LIMITS REC.
Di-n-butylphthalate	1.996	1.07	53.6		12.4	30	40 - 140
3,3-Dichlorobenzidine	1.996	0.160	8.00	*	15.1	30	40 - 140
2,4-Dichlorophenol	1.996	0.876	43.9		11.3	30	30 - 130
Diethylphthalate	1.996	0.936	46.9		5.68	30	40 - 140
2,4-Dimethylphenol	1.996	0.838	42.0		6.07	30	30 - 130
Dimethylphthalate	1.996	0.909	45.5		5.21	30	40 - 140
4,6-Dinitro-2-methylphenol	1.996	0.971	48.6		4.69	30	30 - 130
2,4-Dinitrophenol	1.996	0.844	42.3		16.4	30	30 - 130
2,4-Dinitrotoluene	1.996	0.987	49.4		12.7	30	40 - 140
2,6-Dinitrotoluene	1.996	0.992	49.7		10.7	30	40 - 140
Di-n-octylphthalate	1.996	1.09	54.6		1.00	30	40 - 140
Fluoranthene	1.996	1.14	48.6		18.3	30	40 - 140
Fluorene	1.996	0.929	46.2		11.5	30	40 - 140
Hexachlorobenzene	1.996	0.983	49.2		11.1	30	40 - 140
Hexachlorobutadiene	1.996	0.887	44.4		9.76	30	40 - 140
Hexachlorocyclopentadiene	1.996	0.0487	2.44	*		30	30 - 130
Hexachloroethane	1.996	0.580	29.1	*	12.5	30	40 - 140
Indeno(1,2,3-cd)pyrene	1.996	1.01	46.9		3.64	30	40 - 140
Isophorone	1.996	0.882	44.2		6.46	30	40 - 140
1-Methylnaphthalene	1.996	0.837	41.5		6.59	30	40 - 140
2-Methylnaphthalene	1.996	0.785	38.8	*	8.58	30	40 - 140
2-Methylphenol	1.996	0.723	36.2		11.5	30	30 - 130
3/4-Methylphenol	1.996	0.766	38.4		8.21	30	30 - 130
Naphthalene	1.996	0.847	41.8		7.62	30	40 - 140
2-Nitroaniline	1.996	0.881	44.1		13.7	30	40 - 140
3-Nitroaniline	1.996	0.724	36.3	*	10.9	30	40 - 140
4-Nitroaniline	1.996	0.642	32.2	*	11.2	30	40 - 140
Nitrobenzene	1.996	0.819	41.0		6.03	30	40 - 140
2-Nitrophenol	1.996	0.907	45.4		10.3	30	30 - 130
4-Nitrophenol	1.996	1.05	52.5		8.60	30	30 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

B-2 (2-12in)

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B418195	Preparation:	SW-846 3546
% Solids:	83.23	Laboratory ID:	B418195-MSD2
Initial/Final:	30.09 g / 1 mL	Sample Lab ID:	25K1213-14RE1
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #		% RPD	QC LIMITS RPD	QC LIMITS REC.
N-Nitrosodiphenylamine/Diphenylamine	1.996	0.869	43.5		1.74	30	40 - 140
N-Nitrosodi-n-propylamine	1.996	0.730	36.6	*	23.6	30	40 - 140
Pentachlorophenol	1.996	0.676	33.9		3.17	30	30 - 130
Phenanthrene	1.996	0.910	42.1		5.25	30	40 - 140
Phenol	1.996	0.858	43.0		3.97	30	30 - 130
Pyrene	1.996	0.922	40.3		4.54	30	40 - 140
Pyridine	1.996	0.578	29.0	*	9.33	30	40 - 140
1,2,4,5-Tetrachlorobenzene	1.996	0.921	46.1		6.47	30	40 - 140
2,4,5-Trichlorophenol	1.996	0.965	48.3		10.1	30	30 - 130
2,4,6-Trichlorophenol	1.996	0.888	44.5		6.86	30	30 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Preparation:	SW-846 3546
Batch:	B417934	Laboratory ID:	B417934-BS1
Column:		Initial/Final:	30.09 g / 1 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.		QC LIMITS REC.
2,3,4,6-Tetrachlorophenol	1.662	1.08	65.2		40 - 140
Atrazine	1.662	1.23	74.1		40 - 140
Benzaldehyde	1.662	0.639	38.5	*	40 - 140
Biphenyl	1.662	1.06	63.9		40 - 140
Caprolactam	1.662	0.949	57.1		40 - 140
Acenaphthene	1.662	0.983	59.2		40 - 140
Acenaphthylene	1.662	1.06	63.5		40 - 140
Acetophenone	1.662	0.886	53.3		40 - 140
Aniline	1.662	0.458	27.6		10 - 140
Anthracene	1.662	0.977	58.8		40 - 140
Benzo(a)anthracene	1.662	1.00	60.3		40 - 140
Benzo(a)pyrene	1.662	1.08	64.9		40 - 140
Benzo(b)fluoranthene	1.662	1.06	63.9		40 - 140
Benzo(g,h,i)perylene	1.662	0.962	57.9		40 - 140
Benzo(k)fluoranthene	1.662	1.03	62.3		40 - 140
Bis(2-chloroethoxy)methane	1.662	0.857	51.6		40 - 140
Bis(2-chloroethyl)ether	1.662	0.869	52.3		40 - 140
2,2'-oxybis(1-Chloropropane)	1.662	0.982	59.1		40 - 140
Bis(2-Ethylhexyl)phthalate	1.662	1.15	68.9		40 - 140
4-Bromophenylphenylether	1.662	1.03	62.1		40 - 140
Butylbenzylphthalate	1.662	1.05	63.3		40 - 140
Carbazole	1.662	1.03	61.7		40 - 140
4-Chloroaniline	1.662	0.525	31.6		10 - 140
4-Chloro-3-methylphenol	1.662	0.955	57.5		30 - 130
2-Chloronaphthalene	1.662	0.899	54.1		40 - 140
2-Chlorophenol	1.662	0.886	53.3		30 - 130
4-Chlorophenylphenylether	1.662	1.03	62.2		40 - 140
Chrysene	1.662	0.990	59.6		40 - 140
Dibenz(a,h)anthracene	1.662	1.02	61.6		40 - 140
Dibenzofuran	1.662	1.03	61.7		40 - 140
Di-n-butylphthalate	1.662	1.05	63.5		40 - 140
3,3-Dichlorobenzidine	1.662	0.868	52.2		20 - 140
2,4-Dichlorophenol	1.662	0.981	59.0		30 - 130
Diethylphthalate	1.662	1.04	62.4		40 - 140
2,4-Dimethylphenol	1.662	0.996	59.9		30 - 130
Dimethylphthalate	1.662	1.02	61.2		40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Preparation:	SW-846 3546
Batch:	B417934	Laboratory ID:	B417934-BS1
Column:		Initial/Final:	30.09 g / 1 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
4,6-Dinitro-2-methylphenol	1.662	1.07	64.5	30 - 130
2,4-Dinitrophenol	1.662	1.18	71.2	30 - 130
2,4-Dinitrotoluene	1.662	1.11	66.6	40 - 140
2,6-Dinitrotoluene	1.662	1.08	65.1	40 - 140
Di-n-octylphthalate	1.662	1.17	70.3	40 - 140
Fluoranthene	1.662	1.05	63.5	40 - 140
Fluorene	1.662	1.01	61.0	40 - 140
Hexachlorobenzene	1.662	1.08	64.9	40 - 140
Hexachlorobutadiene	1.662	1.00	60.3	40 - 140
Hexachlorocyclopentadiene	1.662	1.08	65.2	40 - 140
Hexachloroethane	1.662	0.856	51.5	40 - 140
Indeno(1,2,3-cd)pyrene	1.662	1.04	62.6	40 - 140
Isophorone	1.662	0.987	59.4	40 - 140
1-Methylnaphthalene	1.662	0.938	56.4	40 - 140
2-Methylnaphthalene	1.662	0.857	51.6	40 - 140
2-Methylphenol	1.662	0.899	54.1	30 - 130
3/4-Methylphenol	1.662	0.957	57.6	30 - 130
Naphthalene	1.662	0.921	55.4	40 - 140
2-Nitroaniline	1.662	1.24	74.5	40 - 140
3-Nitroaniline	1.662	0.876	52.7	30 - 140
4-Nitroaniline	1.662	1.03	61.7	40 - 140
Nitrobenzene	1.662	0.921	55.4	40 - 140
2-Nitrophenol	1.662	1.01	60.6	30 - 130
4-Nitrophenol	1.662	1.19	71.4	30 - 130
N-Nitrosodiphenylamine/Diphenylamine	1.662	0.990	59.6	40 - 140
N-Nitrosodi-n-propylamine	1.662	0.908	54.6	40 - 140
Pentachlorophenol	1.662	1.00	60.4	30 - 130
Phenanthrene	1.662	0.958	57.7	40 - 140
Phenol	1.662	0.901	54.2	30 - 130
Pyrene	1.662	0.922	55.5	40 - 140
Pyridine	1.662	0.553	33.3	30 - 140
1,2,4,5-Tetrachlorobenzene	1.662	1.06	63.8	40 - 140
2,4,5-Trichlorophenol	1.662	1.11	66.9	30 - 130
2,4,6-Trichlorophenol	1.662	1.04	62.6	30 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Preparation:	SW-846 3546
Batch:	B417934	Laboratory ID:	B417934-BSD1
Column:		Initial/Final:	30.09 g / 1 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
2,3,4,6-Tetrachlorophenol	1.662	1.08	64.9		0.430	20	40 - 140
Atrazine	1.662	1.22	73.3		1.11	30	40 - 140
Benzaldehyde	1.662	0.619	37.2	*	3.22	20	40 - 140
Biphenyl	1.662	1.02	61.4		4.05	20	40 - 140
Caprolactam	1.662	0.986	59.3		3.74	20	40 - 140
Acenaphthene	1.662	0.978	58.9		0.474	30	40 - 140
Acenaphthylene	1.662	1.06	63.6		0.220	30	40 - 140
Acetophenone	1.662	0.871	52.4		1.70	30	40 - 140
Aniline	1.662	0.597	35.9		26.2	50	10 - 140
Anthracene	1.662	0.964	58.0		1.37	30	40 - 140
Benzo(a)anthracene	1.662	0.996	60.0		0.532	30	40 - 140
Benzo(a)pyrene	1.662	1.05	63.0		3.10	30	40 - 140
Benzo(b)fluoranthene	1.662	1.05	63.0		1.29	30	40 - 140
Benzo(g,h,i)perylene	1.662	0.946	57.0		1.67	30	40 - 140
Benzo(k)fluoranthene	1.662	1.02	61.5		1.26	30	40 - 140
Bis(2-chloroethoxy)methane	1.662	0.881	53.0		2.71	30	40 - 140
Bis(2-chloroethyl)ether	1.662	0.867	52.2		0.191	30	40 - 140
2,2'-oxybis(1-Chloropropane)	1.662	0.980	59.0		0.237	30	40 - 140
Bis(2-Ethylhexyl)phthalate	1.662	1.11	66.7		3.33	30	40 - 140
4-Bromophenylphenylether	1.662	0.970	58.4		6.24	30	40 - 140
Butylbenzylphthalate	1.662	1.03	62.3		1.56	30	40 - 140
Carbazole	1.662	1.03	61.8		0.0648	30	40 - 140
4-Chloroaniline	1.662	0.693	41.7		27.4	30	10 - 140
4-Chloro-3-methylphenol	1.662	1.00	60.2		4.66	30	30 - 130
2-Chloronaphthalene	1.662	0.875	52.6		2.77	30	40 - 140
2-Chlorophenol	1.662	0.879	52.9		0.791	30	30 - 130
4-Chlorophenylphenylether	1.662	1.01	60.9		2.01	30	40 - 140
Chrysene	1.662	0.969	58.3		2.17	30	40 - 140
Dibenz(a,h)anthracene	1.662	1.00	60.5		1.83	30	40 - 140
Dibenzofuran	1.662	1.02	61.3		0.715	30	40 - 140
Di-n-butylphthalate	1.662	1.03	62.1		2.20	30	40 - 140
3,3-Dichlorobenzidine	1.662	1.03	61.7		16.6	50	20 - 140
2,4-Dichlorophenol	1.662	0.980	59.0		0.102	30	30 - 130
Diethylphthalate	1.662	1.00	60.3		3.42	30	40 - 140
2,4-Dimethylphenol	1.662	0.971	58.4		2.53	30	30 - 130
Dimethylphthalate	1.662	1.01	60.6		0.985	30	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Preparation:	SW-846 3546
Batch:	B417934	Laboratory ID:	B417934-BSD1
Column:		Initial/Final:	30.09 g / 1 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
4,6-Dinitro-2-methylphenol	1.662	1.10	66.0	2.27	30	30 - 130
2,4-Dinitrophenol	1.662	1.17	70.7	0.705	30	30 - 130
2,4-Dinitrotoluene	1.662	1.11	66.7	0.180	30	40 - 140
2,6-Dinitrotoluene	1.662	1.09	65.4	0.521	30	40 - 140
Di-n-octylphthalate	1.662	1.13	68.0	3.38	30	40 - 140
Fluoranthene	1.662	1.05	63.2	0.379	30	40 - 140
Fluorene	1.662	1.03	61.9	1.43	30	40 - 140
Hexachlorobenzene	1.662	1.05	62.9	3.04	30	40 - 140
Hexachlorobutadiene	1.662	0.966	58.1	3.75	30	40 - 140
Hexachlorocyclopentadiene	1.662	1.02	61.1	6.43	30	40 - 140
Hexachloroethane	1.662	0.827	49.8	3.44	30	40 - 140
Indeno(1,2,3-cd)pyrene	1.662	1.01	60.8	2.92	30	40 - 140
Isophorone	1.662	0.991	59.6	0.437	30	40 - 140
1-Methylnaphthalene	1.662	0.935	56.3	0.248	30	40 - 140
2-Methylnaphthalene	1.662	0.863	51.9	0.657	30	40 - 140
2-Methylphenol	1.662	0.912	54.9	1.43	30	30 - 130
3/4-Methylphenol	1.662	0.955	57.5	0.278	30	30 - 130
Naphthalene	1.662	0.921	55.4	0.0361	30	40 - 140
2-Nitroaniline	1.662	1.24	74.6	0.188	30	40 - 140
3-Nitroaniline	1.662	0.950	57.2	8.08	30	30 - 140
4-Nitroaniline	1.662	1.04	62.9	1.83	30	40 - 140
Nitrobenzene	1.662	0.938	56.4	1.82	30	40 - 140
2-Nitrophenol	1.662	0.996	59.9	1.19	30	30 - 130
4-Nitrophenol	1.662	1.20	72.0	0.837	50	30 - 130
N-Nitrosodiphenylamine/Diphenylamine	1.662	0.963	58.0	2.72	30	40 - 140
N-Nitrosodi-n-propylamine	1.662	0.872	52.5	3.99	30	40 - 140
Pentachlorophenol	1.662	0.937	56.4	6.82	30	30 - 130
Phenanthrene	1.662	0.946	56.9	1.26	30	40 - 140
Phenol	1.662	0.927	55.8	2.87	30	30 - 130
Pyrene	1.662	0.901	54.2	2.30	30	40 - 140
Pyridine	1.662	0.587	35.3	5.83	30	30 - 140
1,2,4,5-Tetrachlorobenzene	1.662	1.02	61.2	4.06	30	40 - 140
2,4,5-Trichlorophenol	1.662	1.09	65.4	2.36	30	30 - 130
2,4,6-Trichlorophenol	1.662	1.02	61.5	1.87	30	30 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Preparation:	SW-846 3546
Batch:	B418195	Laboratory ID:	B418195-BS1
Column:		Initial/Final:	30.08 g / 1 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
2,3,4,6-Tetrachlorophenol	1.662	1.31	78.6	40 - 140
Atrazine	1.662	1.47	88.4	40 - 140
Benzaldehyde	1.662	0.899	54.1	40 - 140
Biphenyl	1.662	1.33	79.7	40 - 140
Caprolactam	1.662	1.22	73.6	40 - 140
Acenaphthene	1.662	1.22	73.4	40 - 140
Acenaphthylene	1.662	1.31	78.9	40 - 140
Acetophenone	1.662	1.12	67.2	40 - 140
Aniline	1.662	0.898	54.0	10 - 140
Anthracene	1.662	1.24	74.4	40 - 140
Benzo(a)anthracene	1.662	1.26	75.7	40 - 140
Benzo(a)pyrene	1.662	1.30	78.5	40 - 140
Benzo(b)fluoranthene	1.662	1.31	78.7	40 - 140
Benzo(g,h,i)perylene	1.662	1.43	85.8	40 - 140
Benzo(k)fluoranthene	1.662	1.29	77.6	40 - 140
Bis(2-chloroethoxy)methane	1.662	1.20	72.1	40 - 140
Bis(2-chloroethyl)ether	1.662	1.20	72.0	40 - 140
2,2'-oxybis(1-Chloropropane)	1.662	1.43	85.9	40 - 140
Bis(2-Ethylhexyl)phthalate	1.662	1.63	98.0	40 - 140
4-Bromophenylphenylether	1.662	1.31	78.7	40 - 140
Butylbenzylphthalate	1.662	1.41	85.0	40 - 140
Carbazole	1.662	1.27	76.3	40 - 140
4-Chloroaniline	1.662	0.915	55.0	10 - 140
4-Chloro-3-methylphenol	1.662	1.22	73.3	30 - 130
2-Chloronaphthalene	1.662	1.15	69.0	40 - 140
2-Chlorophenol	1.662	1.12	67.2	30 - 130
4-Chlorophenylphenylether	1.662	1.28	76.8	40 - 140
Chrysene	1.662	1.22	73.4	40 - 140
Dibenz(a,h)anthracene	1.662	1.46	87.5	40 - 140
Dibenzofuran	1.662	1.27	76.5	40 - 140
Di-n-butylphthalate	1.662	1.36	82.1	40 - 140
3,3-Dichlorobenzidine	1.662	1.26	75.7	20 - 140
2,4-Dichlorophenol	1.662	1.22	73.1	30 - 130
Diethylphthalate	1.662	1.31	78.7	40 - 140
2,4-Dimethylphenol	1.662	1.29	77.4	30 - 130
Dimethylphthalate	1.662	1.29	77.5	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Preparation:	SW-846 3546
Batch:	B418195	Laboratory ID:	B418195-BS1
Column:		Initial/Final:	30.08 g / 1 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
4,6-Dinitro-2-methylphenol	1.662	1.26	75.7	30 - 130
2,4-Dinitrophenol	1.662	1.42	85.6	30 - 130
2,4-Dinitrotoluene	1.662	1.35	81.2	40 - 140
2,6-Dinitrotoluene	1.662	1.37	82.5	40 - 140
Di-n-octylphthalate	1.662	1.51	90.7	40 - 140
Fluoranthene	1.662	1.28	77.0	40 - 140
Fluorene	1.662	1.28	77.0	40 - 140
Hexachlorobenzene	1.662	1.37	82.6	40 - 140
Hexachlorobutadiene	1.662	1.17	70.3	40 - 140
Hexachlorocyclopentadiene	1.662	1.38	83.0	40 - 140
Hexachloroethane	1.662	1.04	62.8	40 - 140
Indeno(1,2,3-cd)pyrene	1.662	1.46	87.8	40 - 140
Isophorone	1.662	1.29	77.9	40 - 140
1-Methylnaphthalene	1.662	1.15	69.5	40 - 140
2-Methylnaphthalene	1.662	1.05	62.9	40 - 140
2-Methylphenol	1.662	1.16	69.6	30 - 130
3/4-Methylphenol	1.662	1.21	72.7	30 - 130
Naphthalene	1.662	1.14	68.6	40 - 140
2-Nitroaniline	1.662	1.40	84.5	40 - 140
3-Nitroaniline	1.662	1.19	71.4	30 - 140
4-Nitroaniline	1.662	1.28	76.8	40 - 140
Nitrobenzene	1.662	1.18	71.0	40 - 140
2-Nitrophenol	1.662	1.19	71.4	30 - 130
4-Nitrophenol	1.662	1.35	81.4	30 - 130
N-Nitrosodiphenylamine/Diphenylamine	1.662	1.28	76.9	40 - 140
N-Nitrosodi-n-propylamine	1.662	1.22	73.5	40 - 140
Pentachlorophenol	1.662	1.12	67.5	30 - 130
Phenanthrene	1.662	1.21	72.5	40 - 140
Phenol	1.662	1.22	73.5	30 - 130
Pyrene	1.662	1.18	70.9	40 - 140
Pyridine	1.662	0.732	44.0	30 - 140
1,2,4,5-Tetrachlorobenzene	1.662	1.24	74.8	40 - 140
2,4,5-Trichlorophenol	1.662	1.34	80.8	30 - 130
2,4,6-Trichlorophenol	1.662	1.28	77.2	30 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Preparation:	SW-846 3546
Batch:	B418195	Laboratory ID:	B418195-BSD1
Column:		Initial/Final:	30.03 g / 1 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
2,3,4,6-Tetrachlorophenol	1.665	1.42	85.2	8.22	20	40 - 140
Atrazine	1.665	1.55	92.8	5.04	30	40 - 140
Benzaldehyde	1.665	0.920	55.3	2.40	20	40 - 140
Biphenyl	1.665	1.37	82.3	3.35	20	40 - 140
Caprolactam	1.665	1.20	71.9	2.20	20	40 - 140
Acenaphthene	1.665	1.29	77.8	5.91	30	40 - 140
Acenaphthylene	1.665	1.40	84.0	6.53	30	40 - 140
Acetophenone	1.665	1.21	72.6	7.81	30	40 - 140
Aniline	1.665	0.926	55.6	3.08	50	10 - 140
Anthracene	1.665	1.31	78.5	5.61	30	40 - 140
Benzo(a)anthracene	1.665	1.35	81.0	7.03	30	40 - 140
Benzo(a)pyrene	1.665	1.42	85.1	8.28	30	40 - 140
Benzo(b)fluoranthene	1.665	1.43	85.7	8.71	30	40 - 140
Benzo(g,h,i)perylene	1.665	1.59	95.3	10.6	30	40 - 140
Benzo(k)fluoranthene	1.665	1.37	82.2	6.00	30	40 - 140
Bis(2-chloroethoxy)methane	1.665	1.26	75.6	4.82	30	40 - 140
Bis(2-chloroethyl)ether	1.665	1.31	78.9	9.32	30	40 - 140
2,2'-oxybis(1-Chloropropane)	1.665	1.61	96.8	12.1	30	40 - 140
Bis(2-Ethylhexyl)phthalate	1.665	1.63	97.7	0.222	30	40 - 140
4-Bromophenylphenylether	1.665	1.42	85.1	8.05	30	40 - 140
Butylbenzylphthalate	1.665	1.40	84.3	0.684	30	40 - 140
Carbazole	1.665	1.35	81.1	6.24	30	40 - 140
4-Chloroaniline	1.665	0.901	54.1	1.48	30	10 - 140
4-Chloro-3-methylphenol	1.665	1.17	70.1	4.38	30	30 - 130
2-Chloronaphthalene	1.665	1.19	71.3	3.36	30	40 - 140
2-Chlorophenol	1.665	1.18	70.8	5.33	30	30 - 130
4-Chlorophenylphenylether	1.665	1.35	81.1	5.62	30	40 - 140
Chrysene	1.665	1.32	79.0	7.57	30	40 - 140
Dibenz(a,h)anthracene	1.665	1.59	95.6	8.99	30	40 - 140
Dibenzofuran	1.665	1.35	80.8	5.63	30	40 - 140
Di-n-butylphthalate	1.665	1.40	84.3	2.86	30	40 - 140
3,3-Dichlorobenzidine	1.665	1.33	79.8	5.44	50	20 - 140
2,4-Dichlorophenol	1.665	1.28	76.8	5.10	30	30 - 130
Diethylphthalate	1.665	1.34	80.8	2.72	30	40 - 140
2,4-Dimethylphenol	1.665	1.36	81.6	5.50	30	30 - 130
Dimethylphthalate	1.665	1.37	82.3	6.25	30	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Preparation:	SW-846 3546
Batch:	B418195	Laboratory ID:	B418195-BSD1
Column:		Initial/Final:	30.03 g / 1 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
4,6-Dinitro-2-methylphenol	1.665	1.36	81.8	7.81	30	30 - 130
2,4-Dinitrophenol	1.665	1.46	87.6	2.48	30	30 - 130
2,4-Dinitrotoluene	1.665	1.43	86.0	5.81	30	40 - 140
2,6-Dinitrotoluene	1.665	1.48	88.7	7.34	30	40 - 140
Di-n-octylphthalate	1.665	1.52	91.3	0.804	30	40 - 140
Fluoranthene	1.665	1.36	81.9	6.28	30	40 - 140
Fluorene	1.665	1.34	80.8	4.91	30	40 - 140
Hexachlorobenzene	1.665	1.50	89.9	8.61	30	40 - 140
Hexachlorobutadiene	1.665	1.21	72.8	3.69	30	40 - 140
Hexachlorocyclopentadiene	1.665	1.45	86.9	4.85	30	40 - 140
Hexachloroethane	1.665	1.08	65.0	3.67	30	40 - 140
Indeno(1,2,3-cd)pyrene	1.665	1.61	96.5	9.63	30	40 - 140
Isophorone	1.665	1.46	87.7	12.1	30	40 - 140
1-Methylnaphthalene	1.665	1.13	67.9	2.11	30	40 - 140
2-Methylnaphthalene	1.665	1.03	61.8	1.73	30	40 - 140
2-Methylphenol	1.665	1.26	75.8	8.75	30	30 - 130
3/4-Methylphenol	1.665	1.33	79.8	9.45	30	30 - 130
Naphthalene	1.665	1.20	72.0	5.03	30	40 - 140
2-Nitroaniline	1.665	1.54	92.3	8.99	30	40 - 140
3-Nitroaniline	1.665	1.24	74.6	4.47	30	30 - 140
4-Nitroaniline	1.665	1.36	81.4	5.98	30	40 - 140
Nitrobenzene	1.665	1.33	79.8	11.8	30	40 - 140
2-Nitrophenol	1.665	1.29	77.4	8.26	30	30 - 130
4-Nitrophenol	1.665	1.32	79.5	2.20	50	30 - 130
N-Nitrosodiphenylamine/Diphenylamine	1.665	1.36	81.7	6.22	30	40 - 140
N-Nitrosodi-n-propylamine	1.665	1.37	82.0	11.2	30	40 - 140
Pentachlorophenol	1.665	1.24	74.3	9.73	30	30 - 130
Phenanthrene	1.665	1.29	77.4	6.73	30	40 - 140
Phenol	1.665	1.27	76.2	3.78	30	30 - 130
Pyrene	1.665	1.25	75.3	6.10	30	40 - 140
Pyridine	1.665	0.736	44.2	0.529	30	30 - 140
1,2,4,5-Tetrachlorobenzene	1.665	1.33	79.7	6.41	30	40 - 140
2,4,5-Trichlorophenol	1.665	1.41	84.8	5.02	30	30 - 130
2,4,6-Trichlorophenol	1.665	1.36	81.5	5.58	30	30 - 130

4 - FORM IV
METHOD BLANK SUMMARY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Blank ID:	B417934-BLK1 Batch: B417934	Prepared:	11/20/2025 15:25

Client Sample ID	Laboratory Sample ID	Lab File ID	Time Analyzed
LCS	B417934-BS1	B25S328025.D	18:58
LCS Dup	B417934-BSD1	B25S328026.D	19:22
C-2 (0-2in)	25K1213-01	B25S328030.D	21:00
C-2 (2-12in)	25K1213-02	B25S328031.D	21:24
C-3 (0-2in)	25K1213-03	B25S328032.D	21:48
C-3 (2-12in)	25K1213-04	B25S328033.D	22:13
E-4 (0-2in)	25K1213-05	B25S328034.D	22:37
E-4 (2-12in)	25K1213-06	B25S328035.D	23:01
E-1 (0-2in)	25K1213-07	B25S328036.D	23:25
E-1 (2-12in)	25K1213-08	B25S328037.D	23:50
C-1 (0-2in)	25K1213-09	B25S328038.D	00:14
C-1 (2-12in)	25K1213-10	B25S328039.D	00:38
B-1 (0-2in)	25K1213-11	B25S328040.D	01:02
B-1 (2-12in)	25K1213-12	B25S328041.D	01:26
Dup-1	25K1213-15	B25S328046.D	03:27
Dup-2	25K1213-16	B25S329014.D	18:40

4 - FORM IV
METHOD BLANK SUMMARY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Blank ID:	B418195-BLK1	Batch:	B418195
Prepared:	11/25/2025 08:43		

Client Sample ID	Laboratory Sample ID	Lab File ID	Time Analyzed
LCS	B418195-BS1	B25S330010.D	16:36
LCS Dup	B418195-BSD1	B25S330011.D	17:00
B-2 (0-2in)	25K1213-13RE1	B25S330013.D	17:49
B-2 (2-12in)	25K1213-14RE1	B25S330014.D	18:13
Matrix Spike	B418195-MS1	B25S330015.D	18:38
Matrix Spike Dup	B418195-MSD1	B25S330016.D	19:02
Matrix Spike	B418195-MS2	B25S330017.D	19:27
Matrix Spike Dup	B418195-MSD2	B25S330018.D	19:52

5 - FORM V
INSTRUMENT PERFORMANCE CHECK

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Lab File ID:	B25S297001.D	Injection Date:	10/24/25
Instrument ID:	GCMSSV2	Injection Time:	10:28
Sequence:	S128430	Lab Sample ID:	S128430-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS/FAIL
68	Less than 2% of 69	0	PASS
69	Base peak, 100% relative abundance	100	PASS
70	Less than 2% of 69	0.449	PASS
197	Less than 2% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.83	PASS
365	1 - 100% of 198	2.77	PASS
441	Less than 150% of 443	83.1	PASS
442	Base peak, 100% relative abundance	100	PASS
443	15 - 24% of 442	19.6	PASS

Client ID	Sample ID	File ID	Date Analyzed	Time Analyzed
1	S128430-CALB	B25S297006.D	10/24/2025	12:36:00
2	S128430-CAL8	B25S297007.D	10/24/2025	13:01:00
5	S128430-CAL1	B25S297017.D	10/24/2025	13:25:00
5	S128430-CAL1	B25S297008.D	10/24/2025	13:25:00
10	S128430-CAL2	B25S297009.D	10/24/2025	13:50:00
10	S128430-CAL2	B25S297018.D	10/24/2025	13:50:00
20	S128430-CAL3	B25S297010.D	10/24/2025	14:15:00
20	S128430-CAL3	B25S297019.D	10/24/2025	14:15:00
50	S128430-CAL4	B25S297011.D	10/24/2025	14:39:00
50	S128430-CAL4	B25S297020.D	10/24/2025	14:39:00
80	S128430-CAL5	B25S297021.D	10/24/2025	15:04:00
80	S128430-CAL5	B25S297012.D	10/24/2025	15:04:00
100	S128430-CAL6	B25S297022.D	10/24/2025	15:28:00
100	S128430-CAL6	B25S297013.D	10/24/2025	15:28:00
120	S128430-CAL7	B25S297014.D	10/24/2025	15:53:00
160	S128430-CALA	B25S297015.D	10/24/2025	16:17:00
Initial Cal Check	S128430-ICV1	B25S297016.D	10/24/2025	16:42:00
Initial Cal Check	S128430-ICV1	B25S297023.D	10/24/2025	16:42:00

CALIBRATION DATA

6 - FORM VI
INITIAL CALIBRATION DATA SHEET

SW-846 8270E

Client: NYDEC HRP Associates - Clifton Park, NY SDG: 25K1213

Project: City of Corning Fire Dept - CO 153522

Calibration: 2500833 Instrument: GCMSSV2

Calibration Date: 10/24/2025 12:00:47AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
2,3,4,6-Tetrachlorophenol	5	0.256213	10	0.2414281	20	0.2824211	50	0.2561438	80	0.2499096	100	0.2621998
Atrazine	5	0.3311913	10	0.3082656	20	0.3437007	50	0.3080851	80	0.2850887	100	0.3019493
Benzaldehyde	5	1.390063	10	1.292213	20	1.543223	50	1.282914	80	1.223788	100	1.253032
Biphenyl	5	1.505823	10	1.571865	20	1.490595	50	1.397595	80	1.438661	100	1.589409
Caprolactam	5	0.1204366	10	0.1178975	20	0.1305606	50	0.1277876	80	0.1180181	100	0.1207597
Acenaphthene	5	1.254484	10	1.327604	20	1.252422	50	1.198035	80	1.253743	100	1.381126
Acenaphthylene	5	1.840819	10	1.991637	20	1.890641	50	1.795819	80	1.879199	100	2.065051
Acetophenone	5	2.103583	10	2.14477	20	2.079944	50	1.860102	80	1.922734	100	2.188547
Aniline	5	2.315676	10	2.493272	20	2.46413	50	2.229163	80	2.383324	100	2.610156
Anthracene	5	1.227242	10	1.303947	20	1.22825	50	1.168241	80	1.207773	100	1.328128
Benzidine	5	0.5091993	10	0.5773081	20	0.5797904	50	0.4671651	80	0.4268974	100	
Benzo(a)anthracene	5	1.273095	10	1.345171	20	1.294436	50	1.276921	80	1.341707	100	1.49563
Benzo(a)pyrene	5	0.9860278	10	1.121871	20	1.108414	50	1.139965	80	1.232532	100	1.365277
Benzo(b)fluoranthene	5	1.112032	10	1.206506	20	1.154639	50	1.200895	80	1.300752	100	1.459693
Benzo(g,h,i)perylene	5	1.049471	10	1.13319	20	1.112451	50	1.08355	80	1.147337	100	1.320981
Benzo(k)fluoranthene	5	1.008207	10	1.233704	20	1.206057	50	1.227662	80	1.290631	100	1.438111
Benzoic Acid	5		10	0.1600469	20	0.1687084	50	0.1879031	80	0.214206	100	0.2565505
Bis(2-chloroethoxy)methane	5	0.4451729	10	0.4575555	20	0.4331134	50	0.4120559	80	0.4181029	100	0.4721129
Bis(2-chloroethyl)ether	5	1.020769	10	1.05449	20	1.02121	50	0.9527834	80	0.9621523	100	1.093662
2,2'-oxybis(1-Chloropropane)	5	1.695359	10	1.744571	20	1.63952	50	1.523713	80	1.554332	100	1.764351
Bis(2-Ethylhexyl)phthalate	5	0.499461	10	0.584435	20	0.6085261	50	0.7521834	80	0.6513781	100	0.7097139
4-Bromophenylphenylether	5	0.193952	10	0.2136713	20	0.2025701	50	0.2039043	80	0.2136581	100	0.2421785
Butylbenzylphthalate	5	0.4689866	10	0.5127762	20	0.509299	50	0.5707425	80	0.5298523	100	0.5837077
Carbazole	5	1.11529	10	1.177145	20	1.158496	50	1.09461	80	1.152228	100	1.286251
4-Chloroaniline	5	0.4421204	10	0.4959108	20	0.478498	50	0.444984	80	0.4627933	100	0.5132213
4-Chloro-3-methylphenol	5	0.2865146	10	0.3127437	20	0.3078064	50	0.2911689	80	0.3151999	100	0.3611059
2-Chloronaphthalene	5	1.407804	10	1.491318	20	1.40893	50	1.27612	80	1.40897	100	1.517604
2-Chlorophenol	5	1.436072	10	1.554859	20	1.52514	50	1.44277	80	1.541841	100	1.754243
4-Chlorophenylphenylether	5	0.6004511	10	0.5939274	20	0.5799868	50	0.5673614	80	0.5791428	100	0.6408027
Chrysene	5	1.256429	10	1.340136	20	1.283825	50	1.227375	80	1.308747	100	1.438359

6 - FORM VI
INITIAL CALIBRATION DATA SHEET

SW-846 8270E

Client: NYDEC HRP Associates - Clifton Park, NY SDG: 25K1213

Project: City of Corning Fire Dept - CO 153522

Calibration: 2500833 Instrument: GCMSSV2

Calibration Date: 10/24/2025 12:00:47AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
Dibenz(a,h)anthracene	5	0.9645117	10	1.034718	20	1.02551	50	1.049932	80	1.137135	100	1.288216
Dibenzofuran	5	1.698854	10	1.74217	20	1.63741	50	1.54476	80	1.614507	100	1.768262
Di-n-butylphthalate	5	0.9778051	10	1.083213	20	1.110388	50	1.197228	80	1.114982	100	1.242406
1,2-Dichlorobenzene	5	1.544756	10	1.573439	20	1.510667	50	1.462011	80	1.522718	100	1.750765
1,3-Dichlorobenzene	5	1.645667	10	1.624998	20	1.611915	50	1.507057	80	1.560813	100	1.780347
1,4-Dichlorobenzene	5	1.665655	10	1.707341	20	1.609077	50	1.550589	80	1.607365	100	1.820449
3,3-Dichlorobenzidine	5	0.3453931	10	0.3947557	20	0.4154251	50	0.4176448	80	0.4394201	100	0.4876775
2,4-Dichlorophenol	5	0.265633	10	0.2958694	20	0.2916236	50	0.283242	80	0.3085406	100	0.3472457
Diethylphthalate	5	1.189056	10	1.251153	20	1.180519	50	1.149576	80	1.133028	100	1.217339
2,4-Dimethylphenol	5	0.313397	10	0.3201284	20	0.2999648	50	0.2956361	80	0.3104086	100	0.3508925
Dimethylphthalate	5	1.261727	10	1.296679	20	1.247793	50	1.189513	80	1.227629	100	1.321584
4,6-Dinitro-2-methylphenol			10	0.093836	20	0.1130302	50	0.1327891	80	0.1554132	100	0.1757676
2,4-Dinitrophenol			10	8.658489E-02	20	0.1100665	50	0.1419796	80	0.1810458	100	0.199487
2,4-Dinitrotoluene	5	0.330822	10	0.3699648	20	0.3804946	50	0.3777146	80	0.4061086	100	0.4304556
2,6-Dinitrotoluene	5	0.2355649	10	0.2798377	20	0.2802176	50	0.280081	80	0.2979121	100	0.3287296
Di-n-octylphthalate			10	0.696383	20	0.7842267	50	1.131827	80	1.011012	100	1.113181
1,2-Diphenylhydrazine/Azobenz	5	0.8608673	10	0.9059331	20	0.8285213	50	0.7788746	80	0.7751617	100	0.8601983
Fluoranthene	5	1.114346	10	1.191463	20	1.199041	50	1.197766	80	1.259599	100	1.427001
Fluorene	5	1.389821	10	1.434149	20	1.389637	50	1.317528	80	1.375004	100	1.483823
Hexachlorobenzene	5	0.220127	10	0.2333584	20	0.226897	50	0.2251531	80	0.2416343	100	0.2717454
Hexachlorobutadiene	5	0.1571668	10	0.1651713	20	0.1553641	50	0.1588435	80	0.1650846	100	0.1834154
Hexachlorocyclopentadiene	5	0.242746	10	0.2841808	20	0.2889722	50	0.3158888	80	0.341801	100	0.3808087
Hexachloroethane	5	0.6203175	10	0.6492861	20	0.6224267	50	0.606105	80	0.6248625	100	0.7134811
Indeno(1,2,3-cd)pyrene	5	0.9031446	10	0.9976068	20	0.9645365	50	0.9857344	80	1.072878	100	1.223671
Isophorone	5	0.6553067	10	0.7095483	20	0.6549648	50	0.6296749	80	0.6411749	100	0.7181848
1-Methylnaphthalene	5	0.7026197	10	0.7270437	20	0.6775965	50	0.6365742	80	0.6790963	100	0.7728031
2-Methylnaphthalene	5	0.7356071	10	0.7770109	20	0.7288925	50	0.6847517	80	0.7192871	100	0.8094476
2-Methylphenol	5	1.380272	10	1.413483	20	1.370056	50	1.29029	80	1.409789	100	1.581492
3/4-Methylphenol	10	1.604095	20	1.642241	40	1.636276	100	1.47219	160	1.548848	200	1.730386
Naphthalene	5	1.113279	10	1.143984	20	1.051762	50	0.9890544	80	1.042137	100	1.160871

6 - FORM VI
INITIAL CALIBRATION DATA SHEET

SW-846 8270E

Client: NYDEC HRP Associates - Clifton Park, NY SDG: 25K1213

Project: City of Corning Fire Dept - CO 153522

Calibration: 2500833 Instrument: GCMSSV2

Calibration Date: 10/24/2025 12:00:47AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
2-Nitroaniline	5	0.3251753	10	0.3584756	20	0.3639928	50	0.3406498	80	0.3726247	100	0.4025075
3-Nitroaniline	5	0.3007473	10	0.3618638	20	0.3630125	50	0.3482835	80	0.3642183	100	0.3874894
4-Nitroaniline	5	0.3422995	10	0.3905407	20	0.3802223	50	0.3704846	80	0.4054228	100	0.4384943
Nitrobenzene	5	0.4020223	10	0.418855	20	0.3938751	50	0.3634783	80	0.3857815	100	0.4286153
2-Nitrophenol	5	0.1677463	10	0.1826668	20	0.1873361	50	0.1863143	80	0.2064189	100	0.2300186
4-Nitrophenol	5	0.1161866	10	0.141844	20	0.150967	50	0.1478709	80	0.166266	100	0.1791611
N-Nitrosodimethylamine	5	0.746352	10	0.7430109	20	0.6945727	50	0.6394413	80	0.6762854	100	0.7459505
N-Nitrosodiphenylamine/Diphen	4.275	0.6608749	8.55	0.7100644	17.1	0.681621	42.75	0.6419732	68.4	0.673458	85.5	0.7460464
N-Nitrosodi-n-propylamine	5	1.099748	10	1.127783	20	1.085745	50	0.9675891	80	0.996397	100	1.123803
Pentachloronitrobenzene	5	3.286041E-02	10	3.773839E-02	20	3.891442E-02	50	4.113394E-02	80	0.0431181	100	4.849397E-02
Pentachlorophenol			10	0.1207782	20	0.1345488	50	0.1500546	80	0.1676134	100	0.1957515
Phenanthrene	5	1.221048	10	1.293555	20	1.206219	50	1.112951	80	1.178203	100	1.280431
Phenol	5	1.942014	10	2.012993	20	2.033406	50	1.868122	80	1.994277	100	2.221164
Pyrene	5	1.542278	10	1.601717	20	1.440409	50	1.317903	80	1.340131	100	1.487276
Pyridine	5	1.643862	10	1.634048	20	1.694978	50	1.571122	80	1.668274	100	1.852779
1,2,4,5-Tetrachlorobenzene	5	0.5408541	10	0.5536381	20	0.5419455	50	0.5289067	80	0.5624545	100	0.6235576
1,2,4-Trichlorobenzene	5	0.3214444	10	0.3240795	20	0.308851	50	0.3002472	80	0.3183171	100	0.3593143
2,4,5-Trichlorophenol	5	0.3402127	10	0.3885385	20	0.3758382	50	0.3770657	80	0.4015365	100	0.4501207
2,4,6-Trichlorophenol	5	0.3209403	10	0.3673774	20	0.360943	50	0.3564486	80	0.3844222	100	0.427761
2-Fluorophenol	10	1.028264	20	1.079138	40	1.068169	100	1.002212	160	1.075807	200	1.228277
Phenol-d6	10	1.715555	20	1.837439	40	1.811572	100	1.669536	160	1.769402	200	1.999543
Nitrobenzene-d5	5	0.3768395	10	0.4040857	20	0.3880241	50	0.3628336	80	0.3834749	100	0.4266115
2-Fluorobiphenyl	5	1.261788	10	1.346732	20	1.280361	50	1.219031	80	1.273011	100	1.396246
2,4,6-Tribromophenol	10	0.1308557	20	0.1537952	40	0.1582036	100	0.1685161	160	0.1833422	200	0.2013775
p-Terphenyl-d14	5	0.8054651	10	0.8483758	20	0.7946964	50	0.7882346	80	0.772249	100	0.8569812

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8270E

Client: NYDEC HRP Associates - Clifton Park, NY SDG: 25K1213

Project: City of Corning Fire Dept - CO 153522

Calibration: 2500833 Instrument: GCMSSV2

Calibration Date: 10/24/2025 12:00:47AM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
2,3,4,6-Tetrachlorophenol												
Atrazine												
Benzaldehyde												
Biphenyl	120	1.518919	2	1.448346								
Caprolactam												
Acenaphthene	120	1.32484	2	1.16632			1	1.395562				
Acenaphthylene	120	1.970316	2	1.730816			1	2.066729				
Acetophenone	120	2.136983										
Aniline	120	2.585645										
Anthracene	120	1.287614	2	1.141052			1	1.355729				
Benzidine			2	0.4038408								
Benzo(a)anthracene	120	1.422087	2	1.237018			1	1.459045				
Benzo(a)pyrene	120	1.337065	2	0.9169048			1	1.027354				
Benzo(b)fluoranthene	120	1.4371	2	0.9754465			1	1.195666				
Benzo(g,h,i)perylene	120	1.267357	2	0.9322043			1	1.063267				
Benzo(k)fluoranthene	120	1.405605	2	1.008914			1	1.142994				
Benzoic Acid												
Bis(2-chloroethoxy)methane	120	0.4497956										
Bis(2-chloroethyl)ether	120	1.079769										
2,2'-oxybis(1-Chloropropane)	120	1.726022										
Bis(2-Ethylhexyl)phthalate	120	0.6967439	2	0.4071155								
4-Bromophenylphenylether	120	0.2318418										
Butylbenzylphthalate	120	0.5737382										
Carbazole	120	1.246471	2	1.032242			1	1.186958				
4-Chloroaniline	120	0.4833052										
4-Chloro-3-methylphenol	120	0.3473233										
2-Chloronaphthalene	120	1.450904										
2-Chlorophenol	120	1.766914										
4-Chlorophenylphenylether	120	0.6264475										
Chrysene	120	1.379335	2	1.233977			1	1.539852				

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8270E

Client: NYDEC HRP Associates - Clifton Park, NY SDG: 25K1213

Project: City of Corning Fire Dept - CO 153522

Calibration: 2500833 Instrument: GCMSSV2

Calibration Date: 10/24/2025 12:00:47AM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
Dibenz(a,h)anthracene	120	1.23786	2	0.8600631			1	0.9765966				
Dibenzofuran	120	1.691583	2	1.639869			1	1.919735				
Di-n-butylphthalate	120	1.213591										
1,2-Dichlorobenzene	120	1.728856										
1,3-Dichlorobenzene	120	1.762846										
1,4-Dichlorobenzene	120	1.809268										
3,3-Dichlorobenzidine	120	0.4393876										
2,4-Dichlorophenol	120	0.3380535										
Diethylphthalate	120	1.213152										
2,4-Dimethylphenol	120	0.3457875										
Dimethylphthalate	120	1.300191	2	1.193278								
4,6-Dinitro-2-methylphenol	120	0.1756364										
2,4-Dinitrophenol	120	0.218673										
2,4-Dinitrotoluene	120	0.4405303										
2,6-Dinitrotoluene	120	0.3245783										
Di-n-octylphthalate	120	1.148385										
1,2-Diphenylhydrazine/Azobenz	120	0.8011161										
Fluoranthene	120	1.389503	2	1.045021			1	1.291852				
Fluorene	120	1.446655	2	1.329403			1	1.521406				
Hexachlorobenzene	120	0.2628841	2	0.2220944								
Hexachlorobutadiene	120	0.1819575	2	0.1437011								
Hexachlorocyclopentadiene	120	0.3725675										
Hexachloroethane	120	0.7062431	2	0.6103998								
Indeno(1,2,3-cd)pyrene	120	1.180456	2	0.8391326			1	0.9418806				
Isophorone	120	0.6997271										
1-Methylnaphthalene	120	0.7474298	2	0.6235262			1	0.7595626				
2-Methylnaphthalene	120	0.7824722	2	0.6859692			1	0.7994168				
2-Methylphenol	120	1.599564										
3/4-Methylphenol	240	1.703288	4	1.432758								
Naphthalene	120	1.125121	2	1.068926			1	1.204957				

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8270E

Client: NYDEC HRP Associates - Clifton Park, NY SDG: 25K1213

Project: City of Corning Fire Dept - CO 153522

Calibration: 2500833 Instrument: GCMSSV2

Calibration Date: 10/24/2025 12:00:47AM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
2-Nitroaniline	120	0.3883644										
3-Nitroaniline	120	0.3785845										
4-Nitroaniline	120	0.4368648										
Nitrobenzene	120	0.4146968										
2-Nitrophenol	120	0.2236726										
4-Nitrophenol	120	0.1809674										
N-Nitrosodimethylamine	120	0.7403601										
N-Nitrosodiphenylamine/Diphen	102.6	0.7132586										
N-Nitrosodi-n-propylamine	120	1.094108										
Pentachloronitrobenzene	120	4.851371E-02										
Pentachlorophenol	120	0.1929354										
Phenanthrene	120	1.242136	2	1.20486			1	1.506556				
Phenol	120	2.260358	2	1.811552								
Pyrene	120	1.437668	2	1.405548			1	1.630494				
Pyridine	120	1.841631										
1,2,4,5-Tetrachlorobenzene	120	0.5922978	2	0.5128015								
1,2,4-Trichlorobenzene	120	0.3477681										
2,4,5-Trichlorophenol	120	0.435209										
2,4,6-Trichlorophenol	120	0.420609										
2-Fluorophenol	240	1.228208			320	1.230307						
Phenol-d6	240	1.984016			320	1.954344						
Nitrobenzene-d5	120	0.4126881			160	0.4300867						
2-Fluorobiphenyl	120	1.332097			160	1.454942						
2,4,6-Tribromophenol	240	0.2039833			320	0.2210989						
p-Terphenyl-d14	120	0.8450927			160	0.9157247						

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Calibration:	2500833	Instrument:	GCMSSV2
		Calibration Date:	10/24/2025 12:00:47AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
2,3,4,6-Tetrachlorophenol	0.2580526	5.4			20	
Atrazine	0.3130468	6.7			20	
Benzaldehyde	1.330872	8.9			20	
Biphenyl	1.495152	4.4			20	
Caprolactam	0.1225767	4.3			20	
Acenaphthene	1.283793	6.1			20	
Acenaphthylene	1.914559	6.1			20	
Acetophenone	2.06238	6.0			20	
Aniline	2.440195	5.7			20	
Anthracene	1.249775	5.9			20	
Benzidine	0.4940335	15.1			20	
Benzo(a)anthracene	1.349457	6.7			20	
Benzo(a)pyrene	1.137268	13.4			20	
Benzo(b)fluoranthene	1.22697	12.5			20	
Benzo(g,h,i)perylene	1.123312	10.3			20	
Benzo(k)fluoranthene	1.217987	12.4			20	
Benzoic Acid	0.197483	19.8			20	
Bis(2-chloroethoxy)methane	0.4411299	4.9			20	
Bis(2-chloroethyl)ether	1.026405	5.3			20	
2,2'-oxybis(1-Chloropropane)	1.663981	5.7			20	
Bis(2-Ethylhexyl)phthalate	0.6136946	18.8			20	
4-Bromophenylphenylether	0.2145394	7.9			20	
Butylbenzylphthalate	0.5355861	7.9			20	
Carbazole	1.161077	6.6			20	
4-Chloroaniline	0.4744047	5.5			20	
4-Chloro-3-methylphenol	0.317409	8.7			20	
2-Chloronaphthalene	1.423093	5.5			20	
2-Chlorophenol	1.574548	8.6			20	
4-Chlorophenylphenylether	0.5983028	4.5			20	
Chrysene	1.334226	7.8			20	
Dibenz(a,h)anthracene	1.063838	12.8			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Calibration:	2500833	Instrument:	GCMSSV2
		Calibration Date:	10/24/2025 12:00:47AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Dibenzofuran	1.695239	6.4			20	
Di-n-butylphthalate	1.13423	8.0			20	
1,2-Dichlorobenzene	1.584745	7.0			20	
1,3-Dichlorobenzene	1.641949	6.1			20	
1,4-Dichlorobenzene	1.681392	6.2			20	
3,3-Dichlorobenzidine	0.4199577	10.5			20	
2,4-Dichlorophenol	0.3043154	9.6			20	
Diethylphthalate	1.190546	3.4			20	
2,4-Dimethylphenol	0.3194593	6.7			20	
Dimethylphthalate	1.254799	3.9			20	
4,6-Dinitro-2-methylphenol	0.1410788	23.9	0.992		0.99	
2,4-Dinitrophenol	0.1563061	33.3			20	*
2,4-Dinitrotoluene	0.3908701	9.7			20	
2,6-Dinitrotoluene	0.2895602	10.9			20	
Di-n-octylphthalate	0.9808358	19.8			20	
1,2-Diphenylhydrazine/Azobenzene	0.8300961	5.8			20	
Fluoranthene	1.235066	9.9			20	
Fluorene	1.409714	4.8			20	
Hexachlorobenzene	0.2379867	8.2			20	
Hexachlorobutadiene	0.163838	8.2			20	
Hexachlorocyclopentadiene	0.3181379	15.8			20	
Hexachloroethane	0.6441402	6.6			20	
Indeno(1,2,3-cd)pyrene	1.012116	12.4			20	
Isophorone	0.6726545	5.3			20	
1-Methylnaphthalene	0.7029169	7.6			20	
2-Methylnaphthalene	0.7469839	6.3			20	
2-Methylphenol	1.434992	7.9			20	
3/4-Methylphenol	1.59626	6.6			20	
Naphthalene	1.10001	6.1			20	
2-Nitroaniline	0.3645414	7.3			20	
3-Nitroaniline	0.3577428	7.9			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Calibration:	2500833	Instrument:	GCMSSV2
		Calibration Date:	10/24/2025 12:00:47AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
4-Nitroaniline	0.3949041	8.9			20	
Nitrobenzene	0.4010463	5.5			20	
2-Nitrophenol	0.1977391	11.6			20	
4-Nitrophenol	0.1547519	14.8			20	
N-Nitrosodimethylamine	0.7122818	6.0			20	
N-Nitrosodiphenylamine/Diphenylamine	0.6896138	5.2			20	
N-Nitrosodi-n-propylamine	1.070739	5.9			20	
Pentachloronitrobenzene	4.153899E-02	13.8			20	
Pentachlorophenol	0.1602803	19.1			20	
Phenanthrene	1.249551	8.8			20	
Phenol	2.017986	7.8			20	
Pyrene	1.467047	7.4			20	
Pyridine	1.700956	6.3			20	
1,2,4,5-Tetrachlorobenzene	0.557057	6.4			20	
1,2,4-Trichlorobenzene	0.3257174	6.4			20	
2,4,5-Trichlorophenol	0.395503	9.5			20	
2,4,6-Trichlorophenol	0.3769288	10.0			20	
2-Fluorophenol	1.117548	8.6			20	
Phenol-d6	1.842676	6.8			20	
Nitrobenzene-d5	0.3980805	6.1			20	
2-Fluorobiphenyl	1.320526	5.9			20	
2,4,6-Tribromophenol	0.1776466	17.0			20	
p-Terphenyl-d14	0.8283524	5.7			20	

INITIAL CALIBRATION STANDARDS

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Sequence:	S128430	Instrument:	GCMSSV2
Calibration:	2500833		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
25J0422	DFTPP Tuning standard - 50ng	S128430-TUN1	B25S297001.D	10/24/25 10:28
25J0519	SEMI BNA curve9- 1.0 ugmL	S128430-CALB	B25S297006.D	10/24/25 12:36
25J0518	SEMI BNA curve8- 2.0 ugmL	S128430-CAL8	B25S297007.D	10/24/25 13:01
25J0511	SEMI BNA curve#1- 5 ugmL	S128430-CAL1	B25S297008.D	10/24/25 13:25
25J0512	SEMI BNA curve#2- 10 ugmL	S128430-CAL2	B25S297009.D	10/24/25 13:50
25J0513	SEMI BNA curve#3- 20 ugmL	S128430-CAL3	B25S297010.D	10/24/25 14:15
25J0514	SEMI BNA curve#4- 50 ugmL	S128430-CAL4	B25S297011.D	10/24/25 14:39
25J0515	SEMI BNA curve5- 80 ugmL	S128430-CAL5	B25S297012.D	10/24/25 15:04
25J0516	SEMI BNA curve6- 100 ugmL	S128430-CAL6	B25S297013.D	10/24/25 15:28
25J0517	SEMI BNA curve7- 120 ugmL	S128430-CAL7	B25S297014.D	10/24/25 15:53
25J0509	SEMI BNA Calibration Std-160ug/ml- DEF	S128430-CALA	B25S297015.D	10/24/25 16:17
25J0511	SEMI BNA curve#1- 5 ugmL	S128430-CAL1	B25S297017.D	10/24/25 17:06
25J0512	SEMI BNA curve#2- 10 ugmL	S128430-CAL2	B25S297018.D	10/24/25 17:31
25J0513	SEMI BNA curve#3- 20 ugmL	S128430-CAL3	B25S297019.D	10/24/25 17:55
25J0514	SEMI BNA curve#4- 50 ugmL	S128430-CAL4	B25S297020.D	10/24/25 18:19
25J0515	SEMI BNA curve5- 80 ugmL	S128430-CAL5	B25S297021.D	10/24/25 18:44
25J0516	SEMI BNA curve6- 100 ugmL	S128430-CAL6	B25S297022.D	10/24/25 19:08

Injection Log

C:\msdchem\1\data\B102425\

Date	Filename	Lab ID	Sample Info
24 Oct 2025 10:28 am	B25S297001.D	DFTPP 50ng 25j0422	f1659 102225.U
24 Oct 2025 10:54 am	B25S297002.D	50TEST	
24 Oct 2025 11:18 am	B25S297003.D	STD1.0 TEST	
24 Oct 2025 11:43 am	B25S297004.D	BLANK	
24 Oct 2025 12:08 pm	B25S297005.D	8270std 1.0 ppm 25J0519	
24 Oct 2025 12:36 pm	B25S297006.D	8270std 1.0 ppm 25J0519 reprp	
24 Oct 2025 1:01 pm	B25S297007.D	8270std 2 ppm 25J0518	
24 Oct 2025 1:25 pm	B25S297008.D	8270std 5 ppm 25J0511	
24 Oct 2025 1:50 pm	B25S297009C.D	8270std 10 ppm 25J0512	LRCHK
24 Oct 2025 1:50 pm	B25S297009.D	8270std 10 ppm 25J0512	
24 Oct 2025 2:15 pm	B25S297010.D	8270std 20 ppm 25J0513	
24 Oct 2025 2:39 pm	B25S297011C.D	8270std 50 ppm 25J0514	LRCHK
24 Oct 2025 2:39 pm	B25S297011.D	8270std 50 ppm 25J0514	
24 Oct 2025 3:04 pm	B25S297012.D	8270std 80 ppm 25J0515	
24 Oct 2025 3:28 pm	B25S297013.D	8270std 100 ppm 25J0516	
24 Oct 2025 3:53 pm	B25S297014.D	8270std 120ppm 25J0517	
24 Oct 2025 4:17 pm	B25S297015.D	8270std 160ppm 25J0509	
24 Oct 2025 4:42 pm	B25S297016.D	8270ICV 50ppm 25J0520	
24 Oct 2025 5:06 pm	B25S297017.D	NCExtras 5 ppm 25F0299	
24 Oct 2025 5:31 pm	B25S297018.D	NCExtras 10 ppm 25F0300	
24 Oct 2025 5:55 pm	B25S297019.D	NCExtras 20 ppm 25F0301	
24 Oct 2025 6:19 pm	B25S297020.D	NCExtras 50 ppm 25F0302	
24 Oct 2025 6:44 pm	B25S297021.D	NCExtras 80 ppm 25F0303	
24 Oct 2025 7:08 pm	B25S297022.D	NCExtras 100 ppm 25F0304	
24 Oct 2025 7:33 pm	B25S297023.D	8270ICV 50ppm 25J0520	
3 Nov 2025 2:16 pm	B25S297024.D	tuntest	

Response Factor Report GCMSSV2

Method Path : C:\MSDCHEM\1\METHODS\
Method File : BN210245.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Nov 17 11:48:07 2025
Response Via : Initial Calibration

532

Calibration Files
2 =B25S297007.D 5 =B25S297008.D 10 =B25S297009.D 20 =B25S297010.D 50 =B25S297011.D 80 =B25S297012.D
100 =B25S297013.D 120 =B25S297014.D 160 =B25S297015.D 1 =B25S297006.D

		Compound	2	5	10	20	50	80	100	120	160	1	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	ISTD										1.118	8.57
2)	S	2-Fluorophenol		1.028	1.079	1.068	1.002	1.076	1.228	1.228	1.230		1.118	8.57
3)	S	Phenol-d6		1.716	1.837	1.812	1.670	1.769	2.000	1.984	1.954		1.843	6.79
4)	T	N-Nitrosodimet...		0.746	0.743	0.695	0.639	0.676	0.746	0.740			0.712	6.00
5)	T	Pyridine		1.644	1.634	1.695	1.571	1.668	1.853	1.842			1.701	6.28
6)	T	Aniline		2.316	2.493	2.464	2.229	2.383	2.610	2.586			2.440	5.72
7)	T	Phenol	1.812	1.942	2.013	2.033	1.868	1.994	2.221	2.260			2.018	7.76
8)	T	Bis(2-chloroet...		1.021	1.054	1.021	0.953	0.962	1.094	1.080			1.026	5.30
9)	T	2-Chlorophenol		1.436	1.555	1.525	1.443	1.542	1.754	1.767			1.575	8.59
10)	T	1,3-Dichlorobe...		1.646	1.625	1.612	1.507	1.561	1.780	1.763			1.642	6.08
11)	T	1,4-Dichlorobe...		1.666	1.707	1.609	1.551	1.607	1.820	1.809			1.681	6.16
12)	T	1,2-Dichlorobe...		1.545	1.573	1.511	1.462	1.523	1.751	1.729			1.585	7.03
13)	T	2- METHYLPHENOL		1.380	1.413	1.370	1.290	1.410	1.581	1.600			1.435	7.94
14)	T	2,2'-oxybis(1-...		1.695	1.745	1.640	1.524	1.554	1.764	1.726			1.664	5.69
15)	T	Acetophenone		2.104	2.145	2.080	1.860	1.923	2.189	2.137			2.062	5.96
16)	T	3/4- METHYLPHENOL	1.433	1.604	1.642	1.636	1.472	1.549	1.730	1.703			1.596	6.60
17)	T	N-Nitroso-Di-N...		1.100	1.128	1.086	0.968	0.996	1.124	1.094			1.071	5.89
18)	T	Hexachloroethane	0.610	0.620	0.649	0.622	0.606	0.625	0.713	0.706			0.644	6.61
19)	I	NAPHTHALENE-d8	ISTD										0.398	6.08
20)	S	Nitrobenzene-d5		0.377	0.404	0.388	0.363	0.383	0.427	0.413	0.430		0.401	5.54
21)	T	NITROBENZENE		0.402	0.419	0.394	0.363	0.386	0.429	0.415			0.673	5.30
22)	T	Isophorone		0.655	0.710	0.655	0.630	0.641	0.718	0.700			0.198	11.60
23)	T	2-Nitrophenol		0.168	0.183	0.187	0.186	0.206	0.230	0.224			0.319	6.70
24)	T	2,4-Dimethylph...		0.313	0.320	0.300	0.296	0.310	0.351	0.346			0.441	4.86
25)	T	Bis(2-Chloroet...		0.445	0.458	0.433	0.412	0.418	0.472	0.450			0.197	19.76
26)	T	Benzoic Acid			0.160	0.169	0.188	0.214	0.257				0.304	9.65
27)	T	2,4-Dichloroph...		0.266	0.296	0.292	0.283	0.309	0.347	0.338			0.326	6.42
28)	T	1,2,4-Trichlor...		0.321	0.324	0.309	0.300	0.318	0.359	0.348			1.100	6.13
29)	T	Naphthalene	1.069	1.113	1.144	1.052	0.989	1.042	1.161	1.125		1.205	0.474	5.52
30)	T	4-Chloroaniline		0.442	0.496	0.478	0.445	0.463	0.513	0.483			0.164	8.19
31)	T	Hexachlorobuta...	0.144	0.157	0.165	0.155	0.159	0.165	0.183	0.182			0.317	8.69
32)	T	4-Chloro-3-Met...		0.287	0.313	0.308	0.291	0.315	0.361	0.347			0.747	6.28
33)	T	2-MethylNaphth...	0.686	0.736	0.777	0.729	0.685	0.719	0.809	0.782		0.799	0.703	7.56
34)	T	1-Methylnaphth...	0.624	0.703	0.727	0.678	0.637	0.679	0.773	0.747		0.760		
35)	I	ACENAPHTHENE-D10	ISTD										1.321	5.88
36)	S	2-Fluorobiphenyl		1.262	1.347	1.280	1.219	1.273	1.396	1.332	1.455			

Method Path : C:\MSDCHEM\1\METHODS\
Method File : BN210245.M
Title : Semivolatiles by GC/MS by modified 8270

37)	S	2,4,6-Tribromo...		0.131	0.154	0.158	0.169	0.183	0.201	0.204	0.221		0.178	17.02
38)	T	Hexachlorocycl...		0.243	0.284	0.289	0.316	0.342	0.381	0.373			0.318	15.79
39)	T	1,2,4,5-Tetrac...	0.513	0.541	0.554	0.542	0.529	0.562	0.624	0.592			0.557	6.42
40)	T	2,4,6-Trichlor...		0.321	0.367	0.361	0.356	0.384	0.428	0.421			0.377	9.96
41)	T	2,4,5-Trichlor...		0.340	0.389	0.376	0.377	0.402	0.450	0.435			0.396	9.48
42)	T	2-ChloroNaphth...		1.408	1.491	1.409	1.276	1.409	1.518	1.451			1.423	5.49
43)	T	2-Nitroaniline		0.325	0.358	0.364	0.341	0.373	0.403	0.388			0.365	7.29
44)	T	1,1-Biphenyl	1.448	1.506	1.572	1.491	1.398	1.439	1.589	1.519			1.495	4.41
45)	T	DIMETHYL PHTHA...	1.193	1.262	1.297	1.248	1.190	1.228	1.322	1.300			1.255	3.95
46)	T	2,6-DinitroTol...		0.236	0.280	0.280	0.280	0.298	0.329	0.325			0.290	10.94
47)	T	Acenaphthylene	1.731	1.841	1.992	1.891	1.796	1.879	2.065	1.970		2.067	1.915	6.12
48)	T	3-Nitroaniline		0.301	0.362	0.363	0.348	0.364	0.387	0.379			0.358	7.86
49)	T	Acenaphthene	1.166	1.254	1.328	1.252	1.198	1.254	1.381	1.325		1.396	1.284	6.13
50)	T	2,4-Dinitrophenol			0.087	0.110	0.142	0.181	0.199	0.219			0.156	33.33
51)	T	4-Nitrophenol		0.116	0.142	0.151	0.148	0.166	0.179	0.181			0.155	14.76
52)	T	Dibenzofuran	1.640	1.699	1.742	1.637	1.545	1.615	1.768	1.692		1.920	1.695	6.38
53)	T	2,4-Dinitrotol...		0.331	0.370	0.380	0.378	0.406	0.430	0.441			0.391	9.68
54)	T	DIETHYL PHTHALATE		1.189	1.251	1.181	1.150	1.133	1.217	1.213			1.191	3.43
55)	T	4-Chlorophenyl...		0.600	0.594	0.580	0.567	0.579	0.641	0.626			0.598	4.47
56)	T	Flourene	1.329	1.390	1.434	1.390	1.318	1.375	1.484	1.447		1.521	1.410	4.82
57)	T	4-Nitroaniline		0.342	0.391	0.380	0.370	0.405	0.438	0.437			0.395	8.87
58)	I	PHENANTHRENE-D10	ISTD											
59)	T	4,6-Dinitro-2-...			0.094	0.113	0.133	0.155	0.176	0.176			0.141	23.91
60)	T	N-Nitrosodiphe...		0.662	0.711	0.683	0.643	0.675	0.747	0.715			0.691	5.16
61)	T	1,2-Diphenylhy...		0.861	0.906	0.829	0.779	0.775	0.860	0.801			0.830	5.84
62)	T	4-Bromophenyl ...		0.194	0.214	0.203	0.204	0.214	0.242	0.232			0.215	7.95
63)	T	Hexachlorobenzene	0.222	0.220	0.233	0.227	0.225	0.242	0.272	0.263			0.238	8.18
64)	T	Pentachlorophenol			0.121	0.135	0.150	0.168	0.196	0.193			0.160	19.14
65)	T	Pentachloronit...		0.033	0.038	0.039	0.041	0.043	0.048	0.049			0.042	13.77
66)	T	Phenanthrene	1.205	1.221	1.294	1.206	1.113	1.178	1.280	1.242		1.507	1.250	8.83
67)	T	Anthracene	1.141	1.227	1.304	1.228	1.168	1.208	1.328	1.288		1.356	1.250	5.86
68)	T	Carbazole	1.032	1.115	1.177	1.158	1.095	1.152	1.286	1.246		1.187	1.161	6.61
69)	T	Di-N-Butyl Pht...		0.978	1.083	1.110	1.197	1.115	1.242	1.214			1.134	8.05
70)	T	Flouranthene	1.045	1.114	1.191	1.199	1.198	1.260	1.427	1.390		1.292	1.235	9.91
71)	I	CHRYSENE-D12	ISTD											
72)	S	p-Terphenyl-d14		0.805	0.848	0.795	0.788	0.772	0.857	0.845	0.916		0.828	5.69
73)	T	Benzidine	0.404	0.509	0.577	0.580	0.467	0.427					0.494	15.12
74)	T	Pyrene	1.406	1.542	1.602	1.440	1.318	1.340	1.487	1.438		1.630	1.467	7.41
75)	T	Butylbenzyl ph...		0.469	0.513	0.509	0.571	0.530	0.584	0.574			0.536	7.88
76)	T	3,3'-Dichlorob...		0.345	0.395	0.415	0.418	0.439	0.488	0.439			0.420	10.45
77)	T	Benzo(a)anthra...	1.237	1.273	1.345	1.294	1.277	1.342	1.496	1.422		1.459	1.349	6.70
78)	T	Chrysene	1.234	1.256	1.340	1.284	1.227	1.309	1.438	1.379		1.540	1.334	7.77
79)	T	Bis(2-ethylhex...	0.407	0.499	0.584	0.609	0.752	0.651	0.710	0.697			0.614	18.81
80)	I	PERYLENE-D12	ISTD											
81)	T	Di-n-octylphth...			0.696	0.784	1.132	1.011	1.113	1.148			0.981	19.82

198.221
169.23
0.8537

V-04

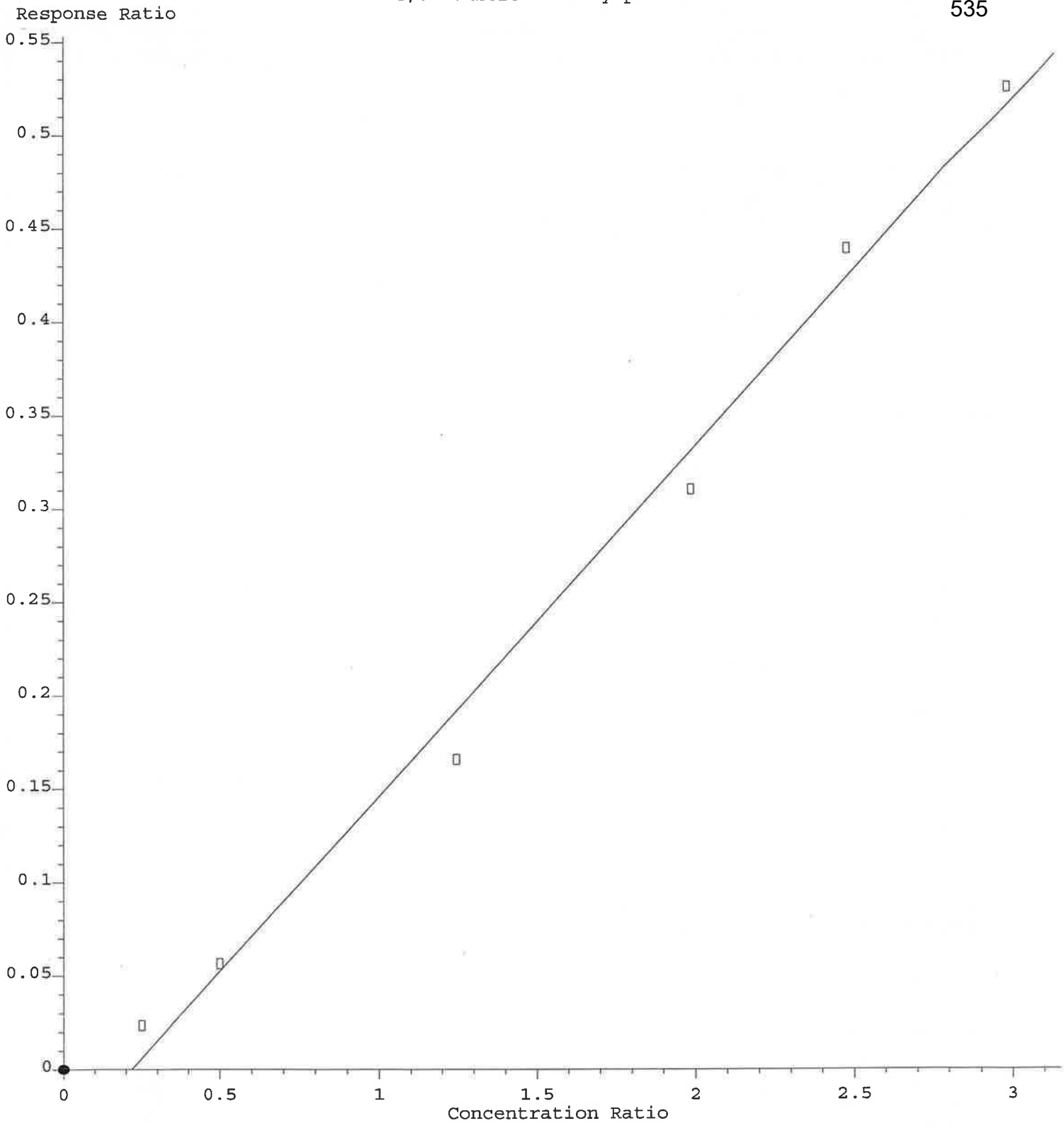
-.992

Method Path : C:\MSDCHEM\1\METHODS\
Method File : BN210245.M
Title : Semivolatiles by GC/MS by modified 8270

82)	T	Benzo(b)fluora...	0.975	1.112	1.207	1.155	1.201	1.301	1.460	1.437	1.196	1.227	12.48
83)	T	Benzo(k)fluora...	1.009	1.008	1.234	1.206	1.228	1.291	1.438	1.406	1.143	1.218	12.41
84)	T	Benzo(a)pyrene	0.917	0.986	1.122	1.108	1.140	1.233	1.365	1.337	1.027	1.137	13.39
85)	T	Indeno(1,2,3-c...	0.839	0.903	0.998	0.965	0.986	1.073	1.224	1.180	0.942	1.012	12.43
86)	T	Dibenz(a,h)ant...	0.860	0.965	1.035	1.026	1.050	1.137	1.288	1.238	0.977	1.064	12.76
87)	T	Benzo(g,h,i)pe...	0.932	1.049	1.133	1.112	1.084	1.147	1.321	1.267	1.063	1.123	10.33
88)	I	1,4-Dichlorobenzen...	----------ISTD----------										
89)		1,4-Dioxane	0.768	0.690	0.760	0.635	0.598	0.623			0.679		10.65
90)		Benzaldehyde	1.390	1.292	1.543	1.283	1.224	1.253			1.331		8.89
91)		Benzyl Alcohol	0.843	0.905	1.078	0.944	0.944	0.999			0.952		8.44
92)	I	NAPHTHALENE-d8 (2)	----------ISTD----------										
93)		2,6-Dichloroph...	0.326	0.324	0.362	0.317	0.309	0.324			0.327		5.54
94)		Caprolactam	0.120	0.118	0.131	0.128	0.118	0.121			0.123		4.34
95)	I	ACENAPHTHENE-D10 (2)	----------ISTD----------										
96)		2,3,4,6-Tetrac...	0.256	0.241	0.282	0.256	0.250	0.262			0.258		5.37
97)		Atrazine	0.331	0.308	0.344	0.308	0.285	0.302			0.313		6.73

(#) = Out of Range

4,6-Dinitro-2-Methylphenol



Response = 1.859e-001 * Amt - 4.050e-002
Coef of Det (r^2) = 0.992 Curve Fit: Linear
Method Name: C:\MSDCHEM\1\METHODS\BN210245.M
Calibration Table Last Updated: Mon Nov 17 11:48:07 2025

GC/MS QA-QC Check Report

Tune File : C:\msdchem\1\data\B102425\B25S297001.D
Tune Time : 24 Oct 2025 10:28 am

Daily Calibration File : C:\msdchem\1\data\B102425\B25S297011.D

	2-FLUPH-D6	NITRO2-FLU	1,4-D	NAP-D	ACE-D
			68730	277939	156569
	2,4,6TERP-		PHEN-	CHRY-	PERY-
			252852	243698	256883

File	Sample		Surrogate Recovery %				Internal Standard Responses		
B25S297006.D									
	8270std 1.		1*	1*	1*	1*	51711	205750	113474
			1*	1*			187235	150482	167070
B25S297007.D									
	8270std	2	2*	2*	2*	2*	60059	243422	135023
			1*	2*			219096	171008	188242
B25S297008.D									
	8270std	5	5*	5*	5*	5*	57635	230634	130342
			4*	5*			211805	165122	181074
B25S297009.D									
	8270std	1	10*	10*	10*	10*	58341	231832	129861
			9*	10*			207852	164446	176334
B25S297010.D									
	8270std	2	20*	22*	21*	19*	64120	264231	146893
			18*	18*			234309	209217	235284
B25S297011.D									
	8270std	5	46	49	48	46	68730	277939	156569
			46	45			252852	243698	256883
B25S297012.D									
	8270std	8	79	82	80	76	62725	255357	144353
			80	71			231840	233617	253232
B25S297013.D									
	8270std	1	113	116	111	105	54291	226173	132560
			109	99			205906	210996	229246
B25S297014.D									
	8270std	1	134*	134*	127	121	52447	224851	133676
			135*	121			216468	222361	226415
B25S297015.D									
	8270std	1	177*	173*	175*	178*	50023	207836	115480
			198*	177*			184574	192426	197909
B25S297016.D									
	8270ICV	5	0*	0*	0*	0*	73425	283019	154952
			0*	0*			255270	241240	264313
B25S297023.D									
	8270ICV	5	0*	0*	0*	0*	62455	255536	146203
			0*	0*			233458	202012	220250

(fails) - fails 12hr time check * - fails criteria

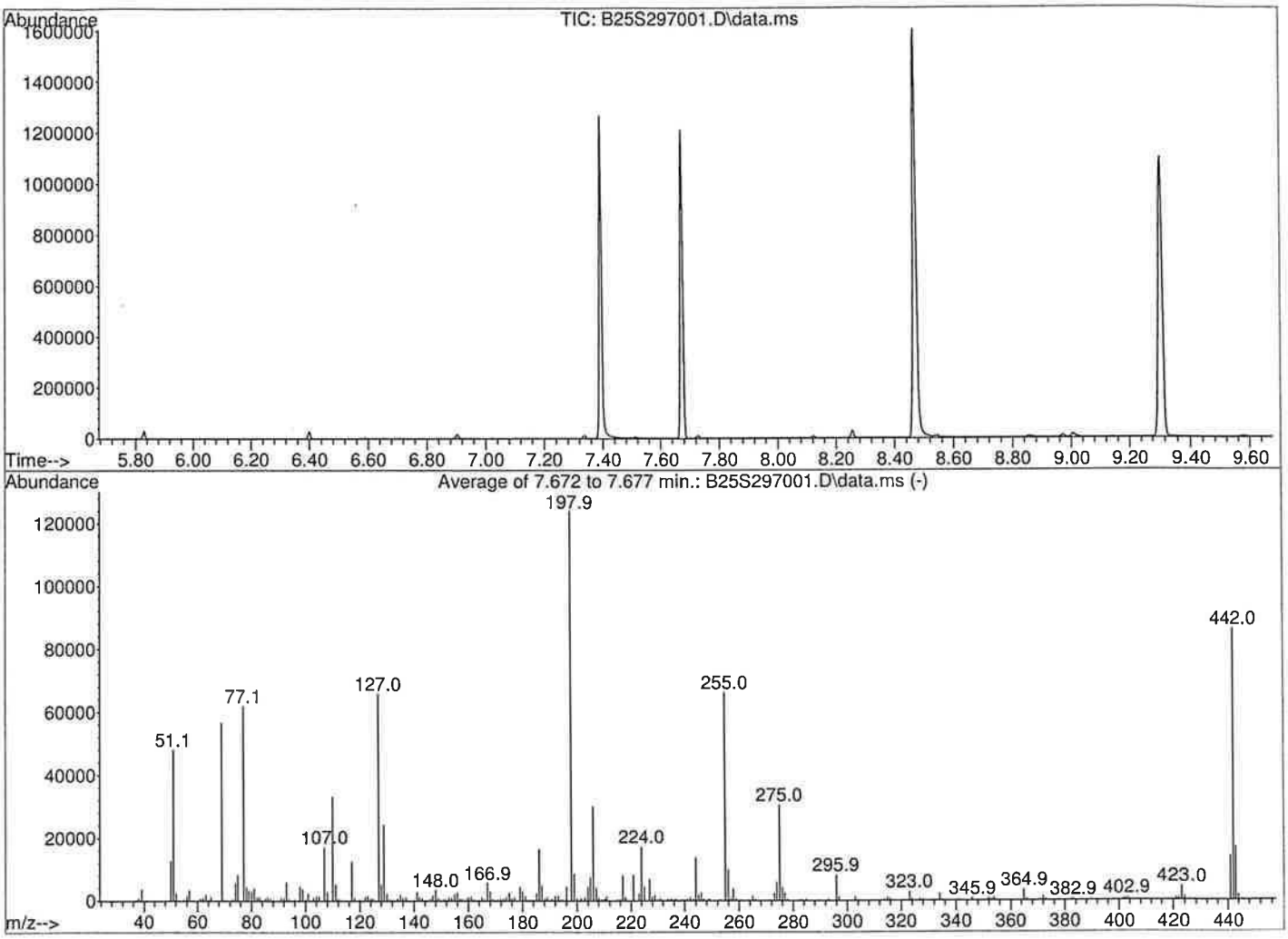
Created: Tue Nov 04 12:22:32 2025 GCMSSV2

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297001.D
Acq On : 24 Oct 2025 10:28 am
Operator : BGL
Sample : DFTPP 50ng 25j0422 f1659 102225.U
Misc :
ALS Vial : 1 Sample Multiplier: 1

Reviewed By:
Christian Merchant NOV 19 2025

Integration File: rteint.p

Method : C:\msdchem\1\methods\DFTPPE.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Fri Aug 22 13:07:04 2025



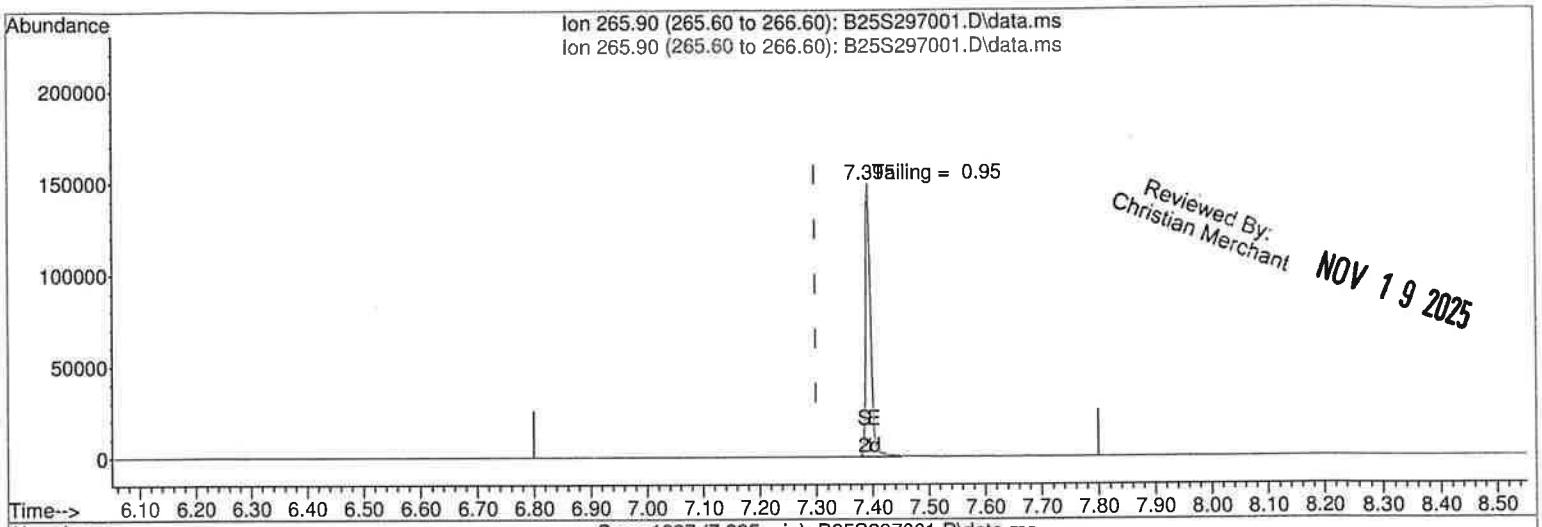
AutoFind: Scans 2095, 2096, 2097; Background Corrected with Scan 2088

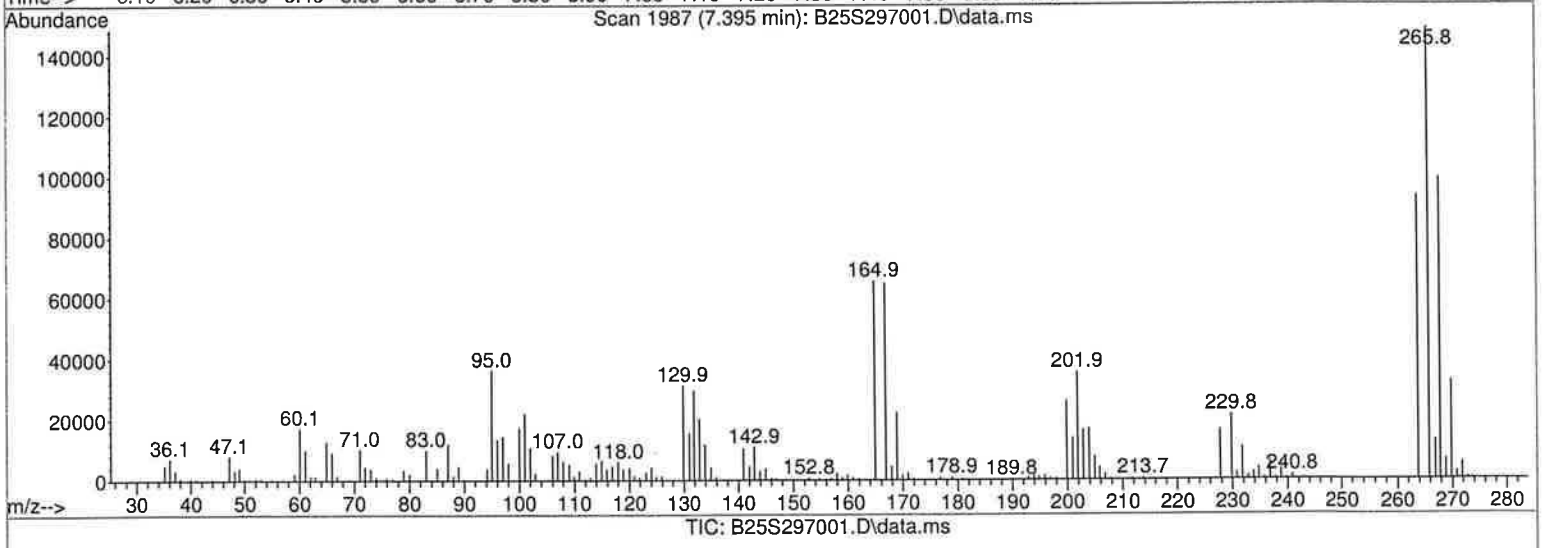
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	56621	PASS
70	69	0.00	2	0.4	254	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	123901	PASS
199	198	5	9	6.8	8466	PASS
365	198	1	100	2.8	3434	PASS
441	443	0.01	150	83.1	14045	PASS
442	198	50	100	69.5	86093	PASS
443	442	15	24	19.6	16893	PASS

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297001.D
Acq On : 24 Oct 2025 10:28 am
Operator : BGL
Sample : DFTPP 50ng 25j0422 f1659 102225.U Inst : GCMSSV2
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 04 12:47:10 2025
Quant Method : C:\msdchem\1\methods\DFTPPE.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 22 13:07:04 2025
Response via : Initial Calibration





TIC: B25S297001.D\data.ms

(1) Pentachlorophenol

7.395min (+ 0.095) 0.00

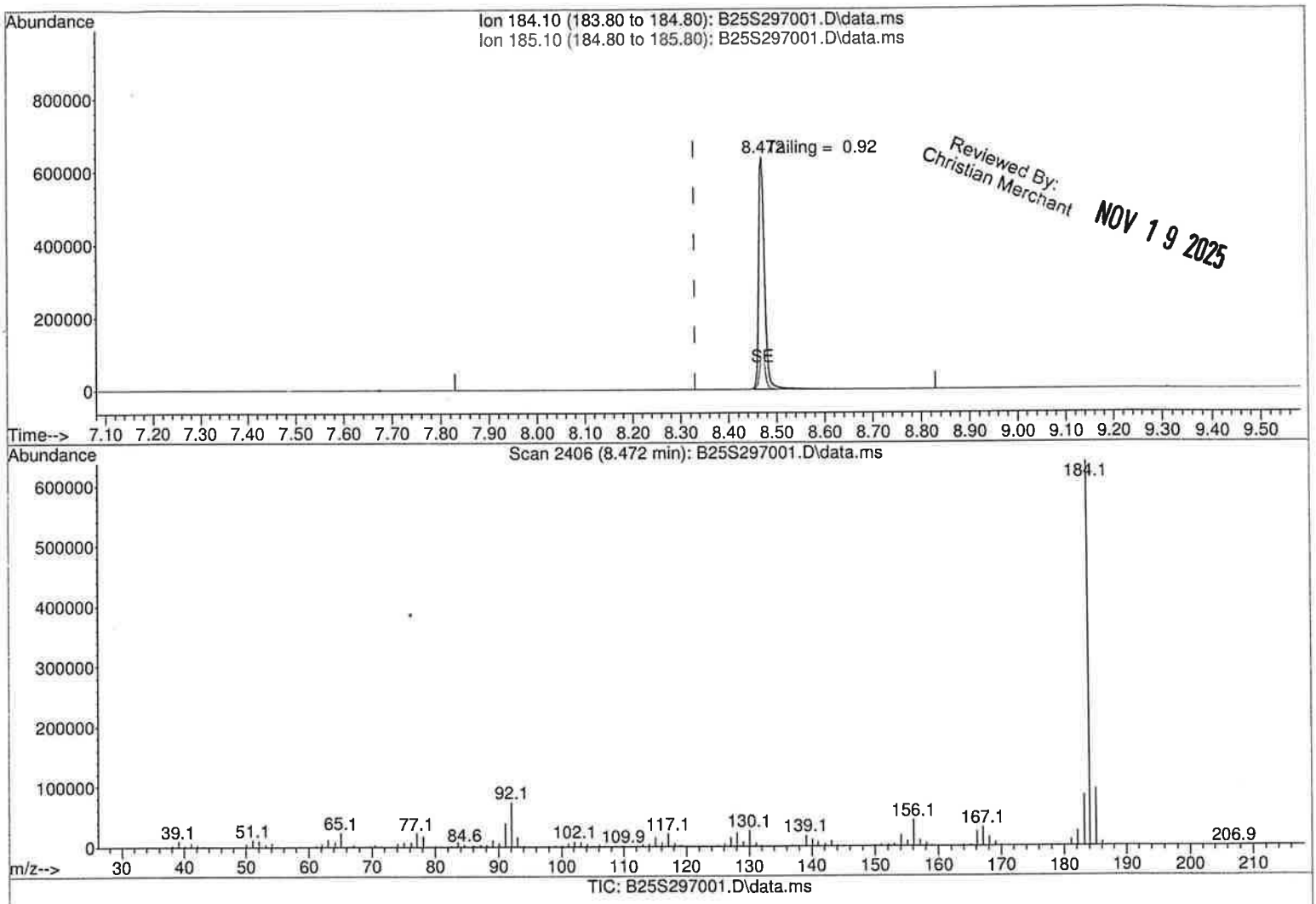
response 92885

Ion	Exp%	Act%
265.90	100.00	100.00
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297001.D
Acq On : 24 Oct 2025 10:28 am
Operator : BGL
Sample : DFTPP 50ng 25j0422 f1659 102225.U Inst : GCMSSV2
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 04 12:47:10 2025
Quant Method : C:\msdchem\1\methods\DFTPPE.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 22 13:07:04 2025
Response via : Initial Calibration



Reviewed By:
Christian Merchant
NOV 19 2025

(3) Benzidine

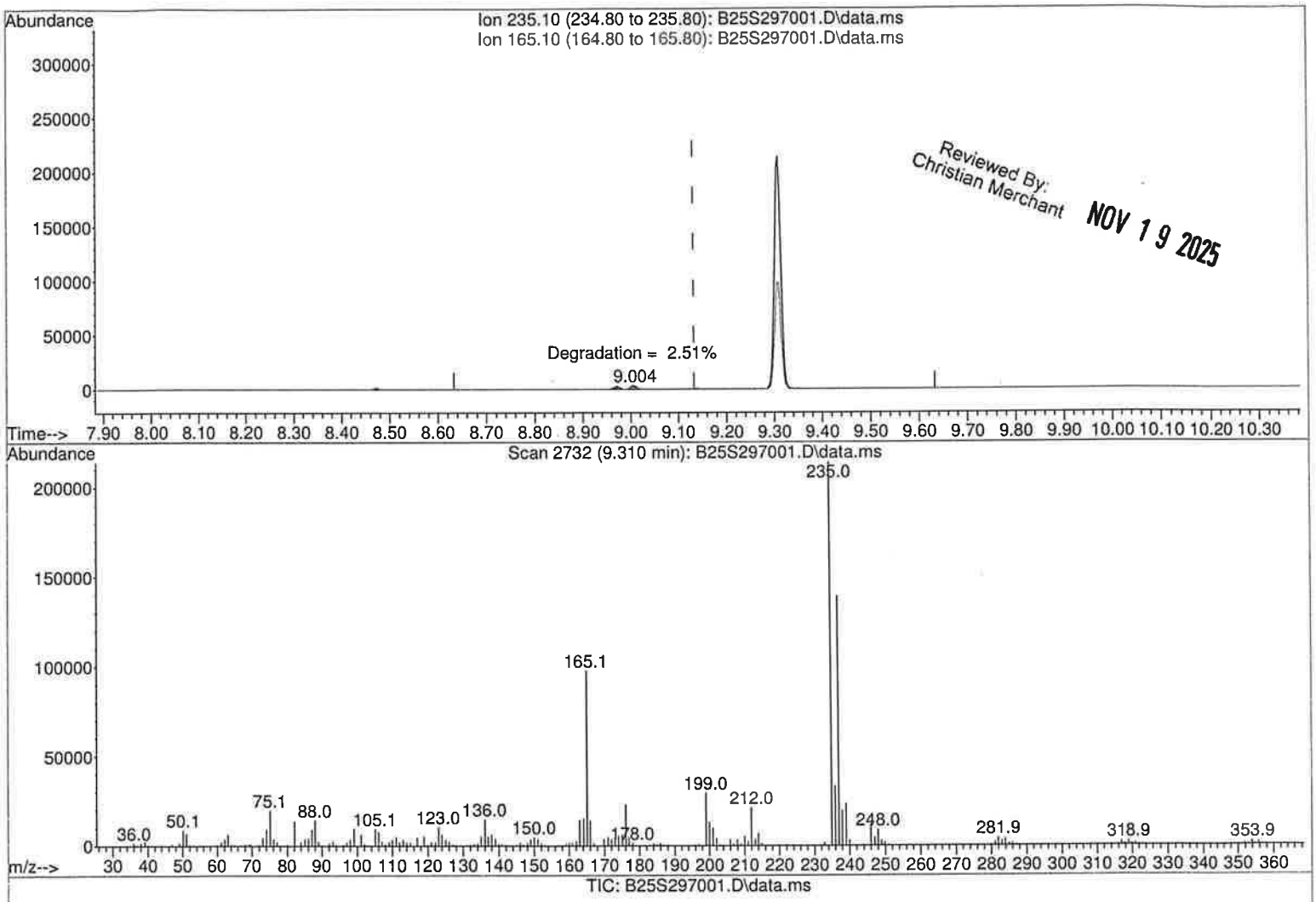
8.472min (+ 0.142) 0.00

response 541328

Ion	Exp%	Act%
184.10	100.00	100.00
185.10	14.00	14.77
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297001.D
Acq On : 24 Oct 2025 10:28 am
Operator : BGL
Sample : DFTPP 50ng 25j0422 f1659 102225.U Inst : GCMSSV2
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 04 12:47:10 2025
Quant Method : C:\msdchem\1\methods\DFTPPE.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 22 13:07:04 2025
Response via : Initial Calibration



Reviewed By:
Christian Merchant
NOV 19 2025

(4) DDT

9.310min (+ 0.177) 0.00

response 201399

Ion	Exp%	Act%
235.10	100.00	100.00
165.10	46.40	46.42
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297004.D
Acq On : 24 Oct 2025 11:43 am
Operator : BGL
Sample : BLANK Inst : GCMSSV2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 24 11:59:17 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 24 11:38:45 2025
Response via : Initial Calibration

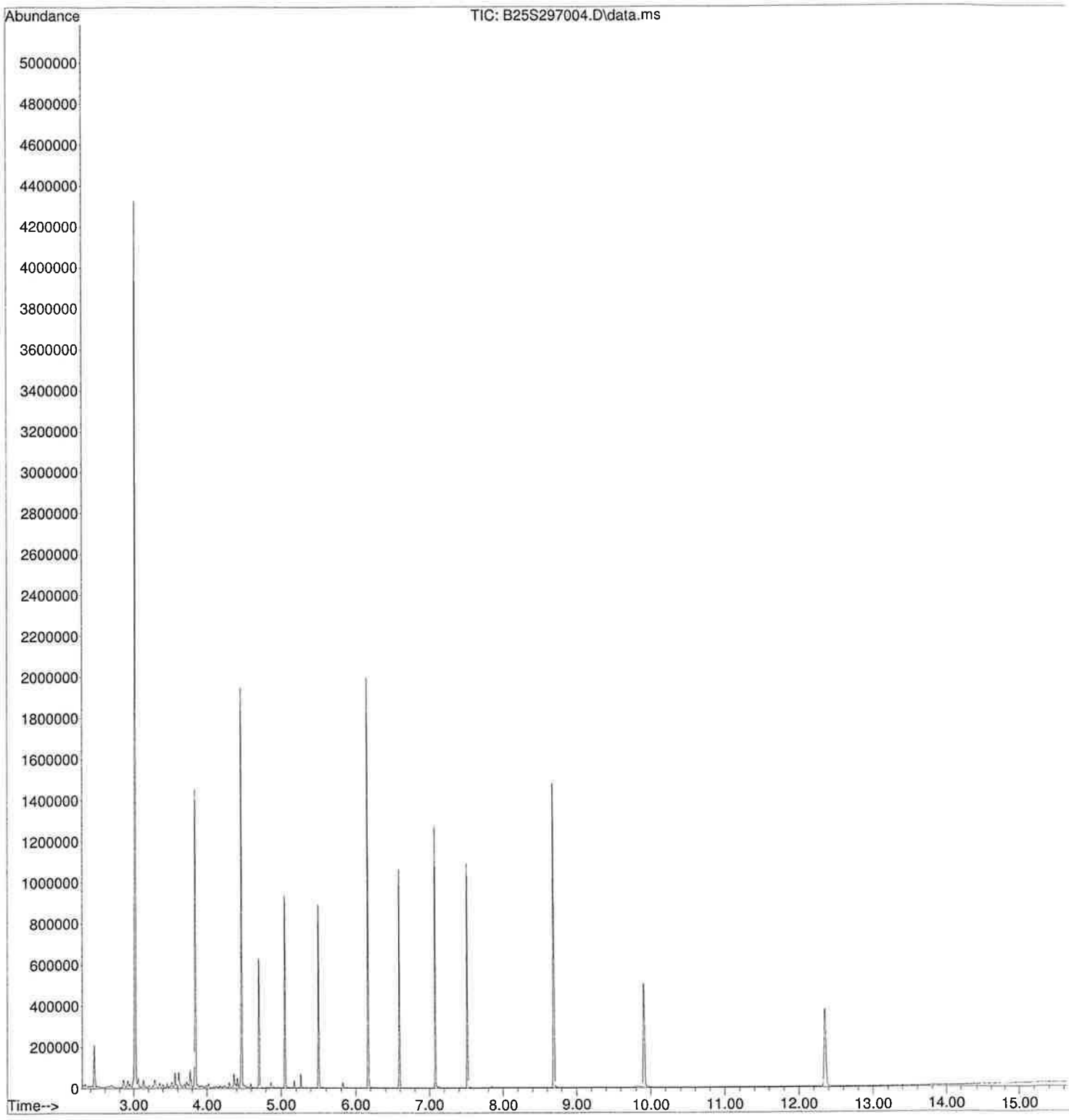
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.705	152	70672	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	5.502	136	284283	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	6.592	164	156337	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	7.513	188	260718	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.912	240	207818	40.00	ug/ml	0.00
80) PERYLENE-D12	12.358	264	218507	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	3.843	112	302553	159.85	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 79.92%			
3) Phenol-d6	4.468	99	518158	178.01	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 89.00%			
20) Nitrobenzene-d5	5.052	82	215681	83.48	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 83.48%			
36) 2-Fluorobiphenyl	6.168	172	401817	76.11	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 76.11%			
37) 2,4,6-Tribromophenol	7.081	330	92684	131.31	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 65.66%			
72) p-Terphenyl-d14	8.693	244	402929	89.41	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 89.41%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297004.D
Acq On : 24 Oct 2025 11:43 am
Operator : BGL
Sample : BLANK Inst : GCMSSV2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 24 11:59:17 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 24 11:38:45 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297006.D
Acq On : 24 Oct 2025 12:36 pm
Operator : BGL
Sample : 8270std 1.0 ppm 25J0519 reprp Inst : GCMSSV2
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 04 13:11:38 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 11:46:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.704	152	51711	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	5.502	136	205750	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	6.592	164	113474	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	7.513	188	187235	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.912	240	150482	40.00	ug/ml	0.00
80) PERYLENE-D12	12.360	264	167070	40.00	ug/ml	0.00
88) 1,4-Dichlorobenzene-D4...	0.000	152	0m	40.00	ug/ml	-4.70
92) NAPHTHALENE-d8 (2)	0.000	136	0m	40.00	ug/ml	-5.50
95) ACENAPHTHENE-D10 (2)	0.000	164	0m	40.00	ug/ml	-6.59
System Monitoring Compounds						
2) 2-Fluorophenol	3.843	112	2953	2.04	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 1.02%#			
3) Phenol-d6	4.465	99	4513	1.89	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 0.95%#			
20) Nitrobenzene-d5	5.054	82	2152	1.05	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 1.05%#			
36) 2-Fluorobiphenyl	6.168	172	4142	1.11	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 1.11%#			
37) 2,4,6-Tribromophenol	7.078	330	663	1.32	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 0.66%#			
72) p-Terphenyl-d14	8.690	244	3286	1.05	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 1.05%#			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.789	42	1120	1.22	ug/ml	86
5) Pyridine	2.871	79	1112	0.52	ug/ml	97
6) Aniline	4.491	93	2837	0.90	ug/ml#	91
7) Phenol	4.473	94	2696	1.01	ug/ml	95
8) Bis(2-chloroethyl)ether	4.535	63	1486	1.12	ug/ml	87
9) 2-Chlorophenol	4.568	128	2127	1.04	ug/ml	94
10) 1,3-Dichlorobenzene	4.668	146	2387	1.12	ug/ml	97
11) 1,4-Dichlorobenzene	4.715	146	2432	1.12	ug/ml	95
12) 1,2-Dichlorobenzene	4.812	146	2235	1.09	ug/ml	97
13) 2- METHYLPHENOL	4.856	108	1823	0.98	ug/ml	94
14) 2,2'-oxybis(1-chloropr...	4.892	45	473	0.25	ug/ml#	59
15) Acetophenone	4.956	105	3104	1.16	ug/ml	95
16) 3/4- METHYLPHENOL	4.954	107	4138	2.01	ug/ml	94
17) N-Nitroso-Di-N-Propyla...	4.956	70	1657	1.20	ug/ml	90
18) Hexachloroethane	5.026	117	970	1.16	ug/ml	94
21) NITROBENZENE	5.064	77	2237	1.08	ug/ml	97
22) Isophorone	5.214	82	3528	1.02	ug/ml	99
23) 2-Nitrophenol	5.265	139	837	0.82	ug/ml	99
24) 2,4-Dimethylphenol	5.283	122	1606	0.98	ug/ml	91
25) Bis(2-Chloroethoxy)met...	5.342	93	2404	1.06	ug/ml	91
26) Benzoic Acid	5.322	122	26	N.D.		
27) 2,4-Dichlorophenol	5.412	162	1359	0.87	ug/ml	95
28) 1,2,4-Trichlorobenzene	5.468	180	1787	1.07	ug/ml	93
29) Naphthalene	5.517	128	6198	1.10	ug/ml	99
30) 4-Chloroaniline	5.548	127	2131	0.87	ug/ml	98
31) Hexachlorobutadiene	5.592	225	911	1.08	ug/ml	96
32) 4-Chloro-3-Methylphenol	5.841	107	1559	0.96	ug/ml	94
33) 2-MethylNaphthalene	5.944	142	4112	1.07	ug/ml	97
34) 1-Methylnaphthalene	6.006	142	3907	1.08	ug/ml	99
38) Hexachlorocyclopentadiene	6.044	237	745	0.83	ug/ml	94
39) 1,2,4,5-Tetrachloroben...	6.049	216	1661	1.05	ug/ml	98
40) 2,4,6-Trichlorophenol	6.116	196	921	0.86	ug/ml	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297006.D
Acq On : 24 Oct 2025 12:36 pm
Operator : BGL
Sample : 8270std 1.0 ppm 25J0519 reprp Inst : GCMSSV2
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 04 13:11:38 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 11:46:29 2025
Response via : Initial Calibration

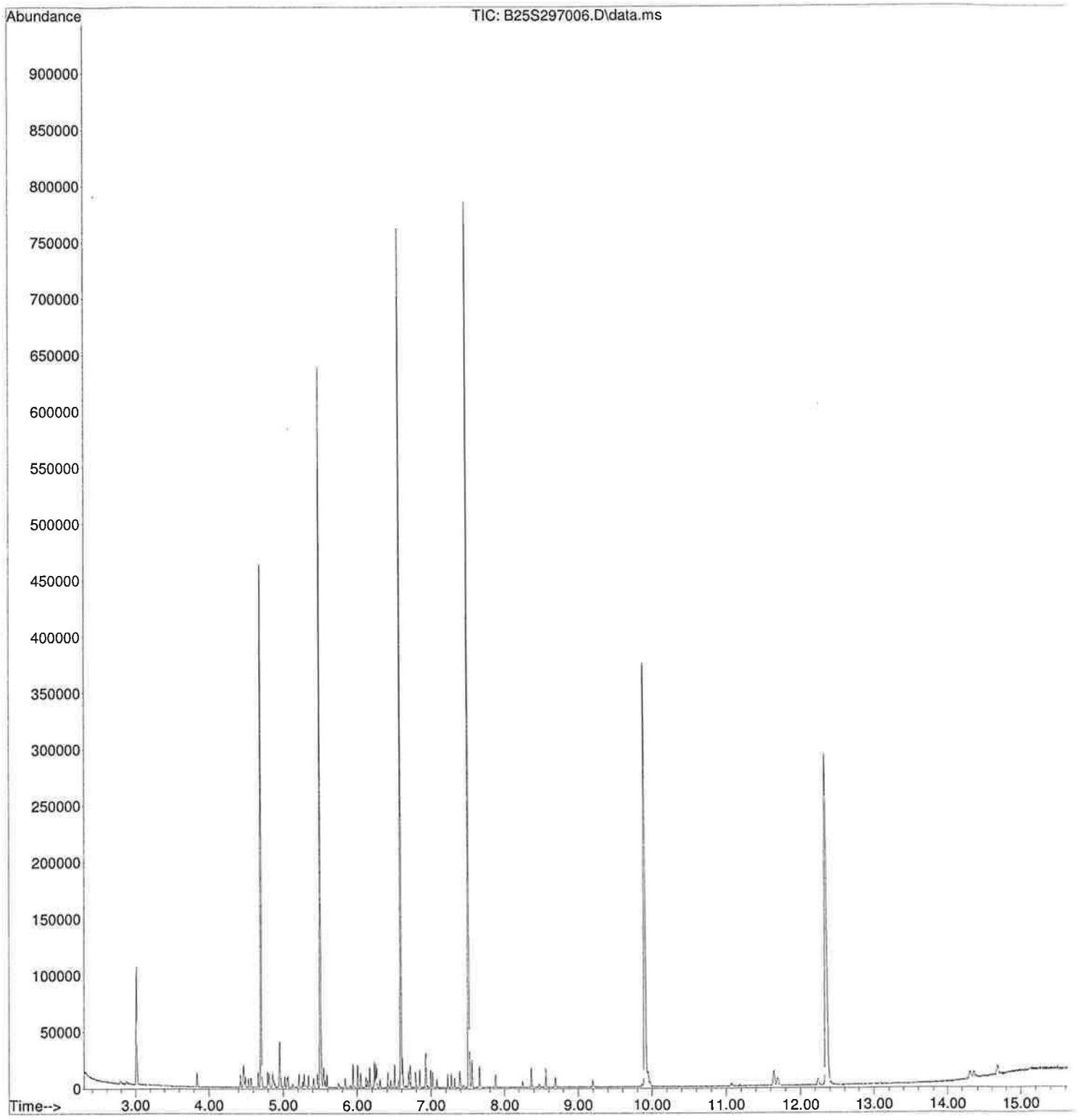
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 2,4,5-Trichlorophenol	6.116	196	921	0.82 ug/ml	88
42) 2-ChloroNaphthalene	6.247	162	4517	1.12 ug/ml	98
43) 2-Nitroaniline	6.307	65	989	0.96 ug/ml#	83
44) 1,1-Biphenyl	6.232	154	4887	1.15 ug/ml	97
45) DIMETHYL PHTHALATE	6.412	163	3795	1.07 ug/ml	98
46) 2,6-DinitroToluene	6.451	165	640	0.78 ug/ml	92
47) Acenaphthylene	6.505	152	5863	1.08 ug/ml	99
48) 3-Nitroaniline	6.559	138	737	0.73 ug/ml	87
49) Acenaphthene	6.613	154	3959	1.09 ug/ml	93
50) 2,4-Dinitrophenol	6.628	184	24	N.D.	
51) 4-Nitrophenol	6.656	109	123	0.28 ug/ml#	1
52) Dibenzofuran	6.718	168	5446	1.13 ug/ml	100
53) 2,4-Dinitrotoluene	6.700	165	839	0.76 ug/ml	85
54) DIETHYL PHTHALATE	6.847	149	3809	1.13 ug/ml	99
55) 4-Chlorophenyl phenyl ...	6.926	204	1958	1.15 ug/ml	96
56) Flourene	6.931	166	4316	1.08 ug/ml	94
57) 4-Nitroaniline	6.937	138	695	0.62 ug/ml#	60
59) 4,6-Dinitro-2-Methylph...	6.955	198	178	6.35 ug/ml#	74
60) N-Nitrosodiphenylamine	6.996	169	2666	0.82 ug/ml	95
61) 1,2-Diphenylhydrazine	7.024	77	4342	1.12 ug/ml	96
62) 4-Bromophenyl phenyl e...	7.230	248	1068	1.06 ug/ml	98
63) Hexachlorobenzene	7.273	284	1199	1.08 ug/ml	89
64) Pentachlorophenol	7.392	266	338	0.45 ug/ml	91
65) Pentachloronitrobenzene	7.399	295	133	0.68 ug/ml#	87
66) Phenanthrene	7.528	178	7052	1.21 ug/ml	97
67) Anthracene	7.559	178	6346	1.08 ug/ml	99
68) Carbazole	7.657	167	5556	1.02 ug/ml	97
69) Di-N-Butyl Phthalate	7.873	149	4725	0.89 ug/ml	97
70) Flouranthene	8.366	202	6047	1.05 ug/ml	96
73) Benzidine	8.467	184	1830	0.98 ug/ml	92
74) Pyrene	8.559	202	6134	1.11 ug/ml	98
75) Butylbenzyl phthalate	9.197	149	1769	0.88 ug/ml	85
76) 3,3'-Dichlorobenzidine	9.868	252	1131	0.72 ug/ml	90
77) Benzo(a)anthracene	9.899	228	5489m	1.09 ug/ml	
78) Chrysene	9.948	228	5793	1.15 ug/ml	100
79) Bis(2-ethylhexyl)phtha...	9.974	149	1846	0.80 ug/ml#	87
81) Di-n-octylphthalate	11.069	149	2325	0.57 ug/ml#	96
82) Benzo(b)fluoranthene	11.645	252	4994	0.97 ug/ml	94
83) Benzo(k)fluoranthene	11.694	252	4774	0.94 ug/ml	93
84) Benzo(a)pyrene	12.239	252	4291	0.90 ug/ml	92
85) Indeno(1,2,3-cd)pyrene	14.304	276	3934	0.93 ug/ml	78
86) Dibenz(a,h)anthracene	14.358	278	4079	0.92 ug/ml	83
87) Benzo(g,h,i)perylene	14.674	276	4441	0.95 ug/ml	87
89) 1,4-Dioxane	0.000		0	N.D. d	
90) Benzaldehyde	0.000		0	N.D. d	
91) Benzyl Alcohol	0.000		0	N.D. d	
93) 2,6-Dichlorophenol	0.000		0	N.D. d	
94) Caprolactam	0.000		0	N.D. d	
96) Biphenyl	0.000		0	N.D. d	
97) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D. d	
98) Atrazine	0.000		0	N.D. d	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297006.D
Acq On : 24 Oct 2025 12:36 pm
Operator : BGL
Sample : 8270std 1.0 ppm 25J0519 reprp Inst : GCMSSV2
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 04 13:11:38 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 11:46:29 2025
Response via : Initial Calibration

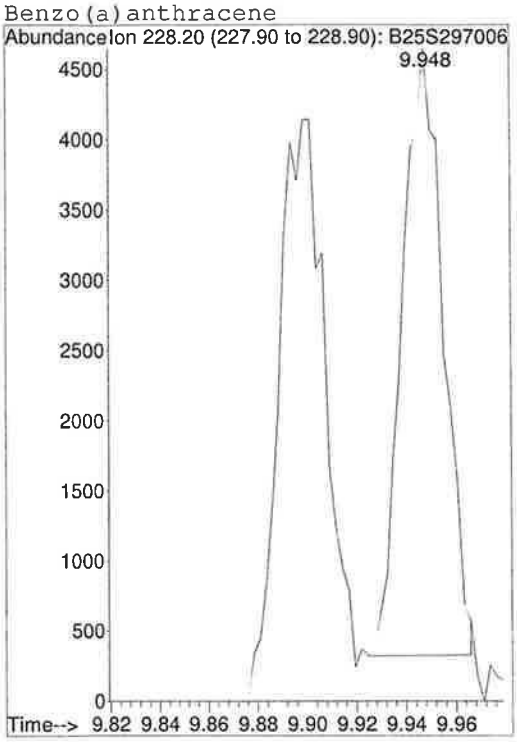


Manual Integration Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297006.D
Acq On : 24 Oct 2025 12:36 pm
Operator : BGL
Sample : 8270std 1.0 ppm 25J0519 reprp
Misc :

Quant Time : Tue Nov 04 13:13:55 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Tue Nov 04 11:46:29 2025

Original Integration
Benzo(a)anthracene



Original Int. Results

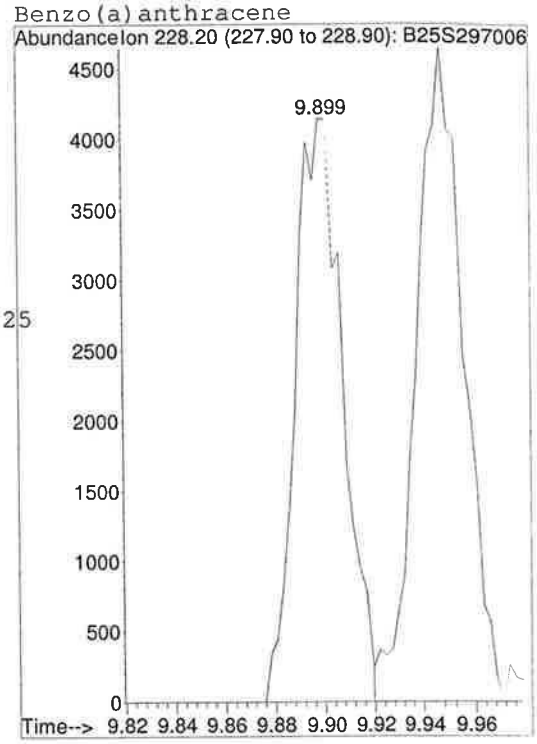
RT : 9.95
Area : 4968
Amount: 0.989871

Manual Int. Results

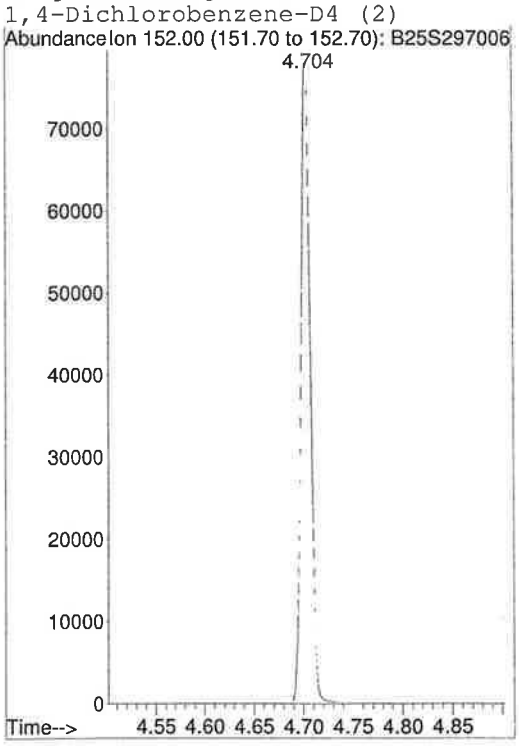
Tue Nov 04 13:13:55 2025

MIuser: bgl
Reason: Other
RT : 9.90
Area : 5489
Amount: 1.09368

Manual Integration
Benzo(a)anthracene



Original Integration
1,4-Dichlorobenzene-D4 (2)



Original Int. Results

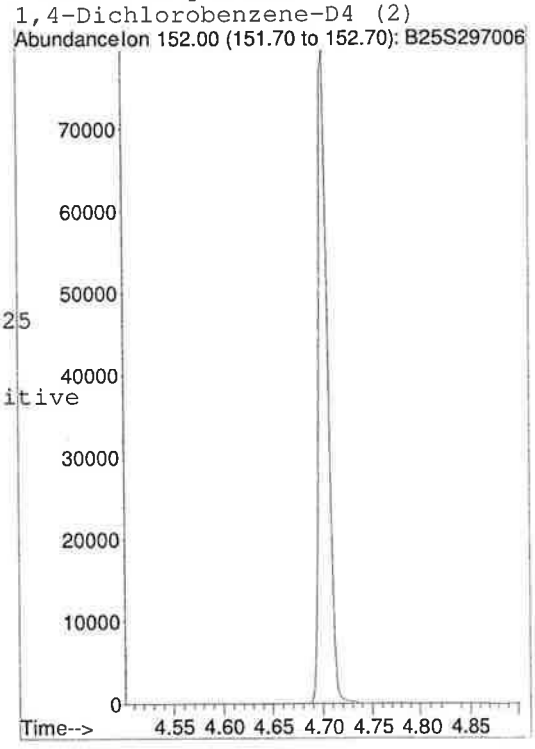
RT : 4.70
Area : 51711
Amount: 40

Manual Int. Results

Tue Nov 04 13:13:24 2025

MIuser: bgl
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

Manual Integration
1,4-Dichlorobenzene-D4 (2)



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297007.D
Acq On : 24 Oct 2025 1:01 pm
Operator : BGL
Sample : 8270std 2 ppm 25J0518 Inst : GCMSSV2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 04 13:25:24 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:14:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.702	152	60059	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	5.502	136	243422	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	6.592	164	135023	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	7.513	188	219096	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.912	240	171008	40.00	ug/ml	0.00
80) PERYLENE-D12	12.358	264	188242	40.00	ug/ml	0.00
88) 1,4-Dichlorobenzene-D4...	0.000	152	0m	40.00	ug/ml	-4.70
92) NAPHTHALENE-d8 (2)	0.000	136	0m	40.00	ug/ml	-5.50
95) ACENAPHTHENE-D10 (2)	0.000	164	0m	40.00	ug/ml	-6.59
System Monitoring Compounds						
2) 2-Fluorophenol	3.843	112	5919	3.53	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 1.76%#			
3) Phenol-d6	4.466	99	9749	3.52	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 1.76%#			
20) Nitrobenzene-d5	5.054	82	4284	1.77	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 1.77%#			
36) 2-Fluorobiphenyl	6.168	172	8387	1.88	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 1.88%#			
37) 2,4,6-Tribromophenol	7.078	330	1475	2.46	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 1.23%#			
72) p-Terphenyl-d14	8.691	244	6564	1.85	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 1.85%#			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.784	42	2151	2.01	ug/ml#	76
5) Pyridine	2.851	79	4003m	1.62	ug/ml	
6) Aniline	4.491	93	5876	1.60	ug/ml#	94
7) Phenol	4.473	94	5440	1.75	ug/ml	97
8) Bis(2-chloroethyl)ether	4.535	63	3093	2.01	ug/ml	88
9) 2-Chlorophenol	4.568	128	4099	1.73	ug/ml	98
10) 1,3-Dichlorobenzene	4.666	146	4691	1.90	ug/ml	98
11) 1,4-Dichlorobenzene	4.715	146	4964	1.97	ug/ml	91
12) 1,2-Dichlorobenzene	4.813	146	4406	1.85	ug/ml	94
13) 2- METHYLPHENOL	4.856	108	4136	1.92	ug/ml	93
14) 2,2'-oxybis(1-chloropr...	4.874	45	5300	2.41	ug/ml#	66
15) Acetophenone	4.957	105	5992	1.94	ug/ml	99
16) 3/4- METHYLPHENOL	4.952	107	8605	3.59	ug/ml	95
17) N-Nitroso-Di-N-Propyla...	4.954	70	3072	1.91	ug/ml	85
18) Hexachloroethane	5.026	117	1833	1.90	ug/ml	96
21) NITROBENZENE	5.065	77	4382	1.80	ug/ml	93
22) Isophorone	5.214	82	7543	1.84	ug/ml	94
23) 2-Nitrophenol	5.265	139	1759	1.46	ug/ml	97
24) 2,4-Dimethylphenol	5.283	122	3610	1.86	ug/ml	88
25) Bis(2-Chloroethoxy)met...	5.342	93	5064	1.89	ug/ml	95
26) Benzoic Acid	5.330	122	149	N.D.		
27) 2,4-Dichlorophenol	5.412	162	3005	1.62	ug/ml	97
28) 1,2,4-Trichlorobenzene	5.466	180	3652	1.84	ug/ml	94
29) Naphthalene	5.515	128	13010	1.94	ug/ml	99
30) 4-Chloroaniline	5.548	127	4393	1.52	ug/ml	99
31) Hexachlorobutadiene	5.592	225	1749	1.75	ug/ml	95
32) 4-Chloro-3-Methylphenol	5.839	107	3118	1.61	ug/ml	96
33) 2-MethylNaphthalene	5.947	142	8349	1.84	ug/ml	98
34) 1-Methylnaphthalene	6.006	142	7589	1.77	ug/ml	96
38) Hexachlorocyclopentadiene	6.042	237	1548	1.44	ug/ml	97
39) 1,2,4,5-Tetrachloroben...	6.047	216	3462	1.84	ug/ml	99
40) 2,4,6-Trichlorophenol	6.116	196	2047	1.61	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297007.D
Acq On : 24 Oct 2025 1:01 pm
Operator : BGL
Sample : 8270std 2 ppm 25J0518 Inst : GCMSSV2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 04 13:25:24 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:14:08 2025
Response via : Initial Calibration

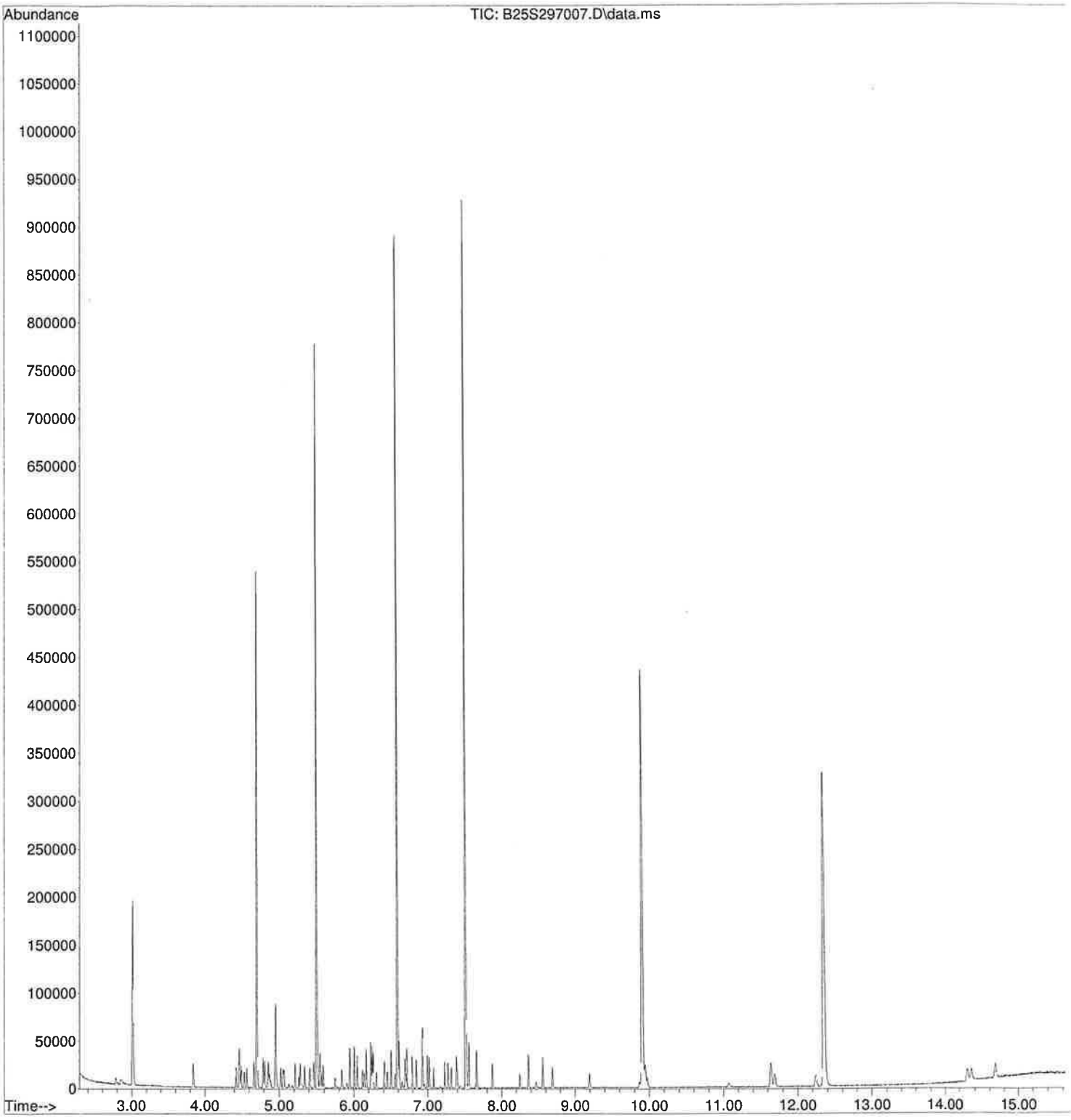
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 2,4,5-Trichlorophenol	6.140	196	2026	1.52 ug/ml	97
42) 2-ChloroNaphthalene	6.248	162	9226	1.92 ug/ml	98
43) 2-Nitroaniline	6.307	65	1980	1.61 ug/ml	98
44) 1,1-Biphenyl	6.230	154	9778	1.94 ug/ml	98
45) DIMETHYL PHTHALATE	6.412	163	8056	1.90 ug/ml	98
46) 2,6-DinitroToluene	6.451	165	1374	1.41 ug/ml	95
47) Acenaphthylene	6.505	152	11685	1.81 ug/ml	99
48) 3-Nitroaniline	6.559	138	1665	1.38 ug/ml	90
49) Acenaphthene	6.613	154	7874	1.82 ug/ml	96
50) 2,4-Dinitrophenol	6.623	184	287	0.54 ug/ml#	52
51) 4-Nitrophenol	6.654	109	527	1.01 ug/ml#	81
52) Dibenzofuran	6.718	168	11071	1.93 ug/ml	96
53) 2,4-Dinitrotoluene	6.700	165	1691	1.28 ug/ml#	81
54) DIETHYL PHTHALATE	6.847	149	7319	1.82 ug/ml	98
55) 4-Chlorophenyl phenyl ...	6.924	204	3612	1.79 ug/ml	98
56) Flourene	6.932	166	8975	1.89 ug/ml	97
57) 4-Nitroaniline	6.934	138	1875	1.41 ug/ml#	78
59) 4,6-Dinitro-2-Methylph...	6.952	198	485	6.63 ug/ml#	71
60) N-Nitrosodiphenylamine	6.996	169	5696	1.51 ug/ml	100
61) 1,2-Diphenylhydrazine	7.022	77	8519	1.87 ug/ml	98
62) 4-Bromophenyl phenyl e...	7.227	248	1960	1.67 ug/ml	93
63) Hexachlorobenzene	7.274	284	2433	1.87 ug/ml	99
64) Pentachlorophenol	7.389	266	757	0.86 ug/ml	97
65) Pentachloronitrobenzene	7.400	295	244	1.07 ug/ml#	56
66) Phenanthrene	7.528	178	13199	1.93 ug/ml	99
67) Anthracene	7.559	178	12500	1.83 ug/ml	100
68) Carbazole	7.657	167	11308	1.78 ug/ml	99
69) Di-N-Butyl Phthalate	7.873	149	9673	1.56 ug/ml	98
70) Flouranthene	8.367	202	11448	1.69 ug/ml	97
73) Benzidine	8.467	184	3453	1.63 ug/ml	96
74) Pyrene	8.559	202	12018	1.92 ug/ml	99
75) Butylbenzyl phthalate	9.195	149	3507	1.53 ug/ml	88
76) 3,3'-Dichlorobenzidine	9.871	252	2487	1.39 ug/ml	93
77) Benzo(a)anthracene	9.902	228	10577	1.83 ug/ml	98
78) Chrysene	9.948	228	10551	1.85 ug/ml	98
79) Bis(2-ethylhexyl)phtha...	9.979	149	3481	1.33 ug/ml	97
81) Di-n-octylphthalate	11.069	149	4504	0.98 ug/ml#	98
82) Benzo(b)fluoranthene	11.640	252	9181	1.59 ug/ml	94
83) Benzo(k)fluoranthene	11.689	252	9496	1.66 ug/ml	89
84) Benzo(a)pyrene	12.245	252	8630	1.61 ug/ml	84
85) Indeno(1,2,3-cd)pyrene	14.304	276	7898	1.66 ug/ml	86
86) Dibenz(a,h)anthracene	14.356	278	8095	1.62 ug/ml	93
87) Benzo(g,h,i)perylene	14.672	276	8774	1.66 ug/ml	99
89) 1,4-Dioxane	0.000		0	N.D. d	
90) Benzaldehyde	0.000		0	N.D. d	
91) Benzyl Alcohol	0.000		0	N.D. d	
93) 2,6-Dichlorophenol	0.000		0	N.D. d	
94) Caprolactam	0.000		0	N.D. d	
96) Biphenyl	0.000		0	N.D. d	
97) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D. d	
98) Atrazine	0.000		0	N.D. d	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297007.D
Acq On : 24 Oct 2025 1:01 pm
Operator : BGL
Sample : 8270std 2 ppm 25J0518 Inst : GCMSSV2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 04 13:25:24 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:14:08 2025
Response via : Initial Calibration

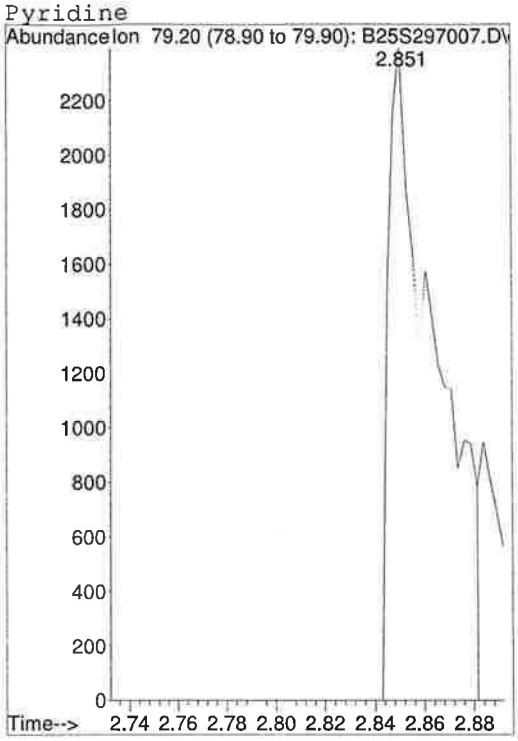


Manual Integration Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297007.D
Acq On : 24 Oct 2025 1:01 pm
Operator : BGL
Sample : 8270std 2 ppm 25J0518
Misc :

Quant Time : Tue Nov 04 13:28:12 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Tue Nov 04 13:14:08 2025

Original Integration
Pyridine



Original Int. Results

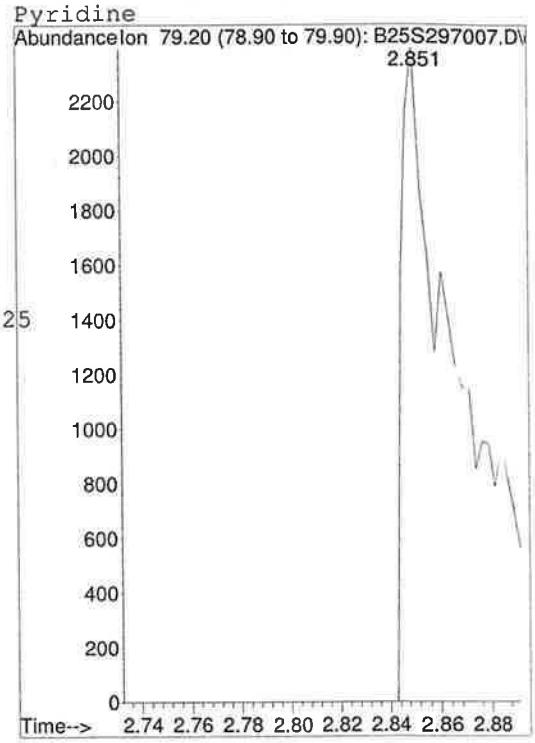
RT : 2.85
Area : 3231
Amount: 1.30815

Manual Int. Results

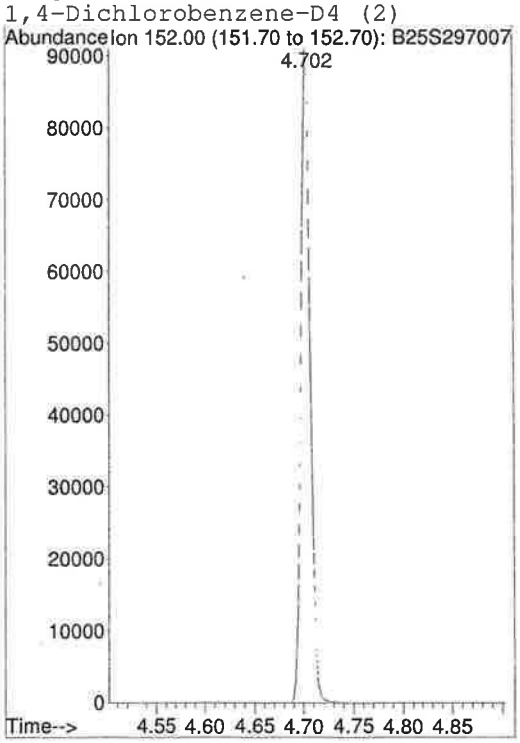
Tue Nov 04 13:26:08 2025

MIuser: bgl
Reason: Other
RT : 2.85
Area : 4003
Amount: 1.62071

Manual Integration
Pyridine



Original Integration
1,4-Dichlorobenzene-D4 (2)



Original Int. Results

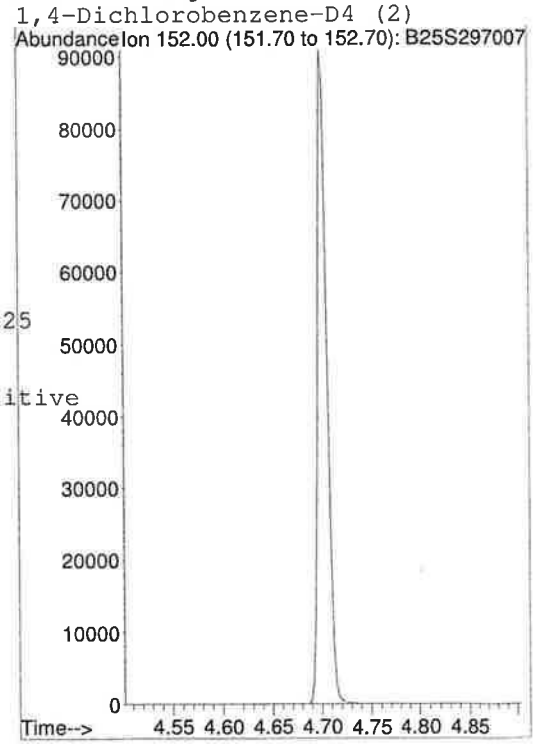
RT : 4.70
Area : 60059
Amount: 40

Manual Int. Results

Tue Nov 04 13:28:12 2025

MIuser: bgl
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

Manual Integration
1,4-Dichlorobenzene-D4 (2)



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297008.D
Acq On : 24 Oct 2025 1:25 pm
Operator : BGL
Sample : 8270std 5 ppm 25J0511 Inst : GCMSSV2
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 04 13:35:03 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:33:32 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.702	152	57635	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	5.502	136	230634	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	6.592	164	130342	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	7.513	188	211805	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.909	240	165122	40.00	ug/ml	0.00
80) PERYLENE-D12	12.360	264	181074	40.00	ug/ml	0.00
88) 1,4-Dichlorobenzene-D4...	0.000	152	0m	40.00	ug/ml	-4.70
92) NAPHTHALENE-d8 (2)	0.000	136	0m	40.00	ug/ml	-5.50
95) ACENAPHTHENE-D10 (2)	0.000	164	0m	40.00	ug/ml	-6.59
System Monitoring Compounds						
2) 2-Fluorophenol	3.843	112	14816	9.20	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery =	4.60%#		
3) Phenol-d6	4.465	99	24719	9.31	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery =	4.66%#		
20) Nitrobenzene-d5	5.054	82	10864	4.73	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery =	4.73%#		
36) 2-Fluorobiphenyl	6.168	172	20558	4.78	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery =	4.78%#		
37) 2,4,6-Tribromophenol	7.081	330	4264	7.37	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery =	3.69%#		
72) p-Terphenyl-d14	8.690	244	16625	4.86	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery =	4.86%#		
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.778	42	5377	5.24	ug/ml#	77
5) Pyridine	2.827	79	11843	5.00	ug/ml	86
6) Aniline	4.491	93	16683	4.74	ug/ml#	96
7) Phenol	4.473	94	13991	4.68	ug/ml	99
8) Bis(2-chloroethyl)ether	4.535	63	7354	4.97	ug/ml	97
9) 2-Chlorophenol	4.568	128	10346	4.56	ug/ml	97
10) 1,3-Dichlorobenzene	4.669	146	11856	5.01	ug/ml	98
11) 1,4-Dichlorobenzene	4.715	146	12000	4.95	ug/ml	97
12) 1,2-Dichlorobenzene	4.813	146	11129	4.87	ug/ml	99
13) 2- METHYLPHENOL	4.856	108	9944	4.81	ug/ml	90
14) 2,2'-oxybis(1-chloropr...	4.874	45	12214	5.78	ug/ml#	65
15) Acetophenone	4.957	105	15155	5.10	ug/ml	98
16) 3/4- METHYLPHENOL	4.951	107	23113	10.05	ug/ml	98
17) N-Nitroso-Di-N-Propyla...	4.957	70	7923	5.14	ug/ml	91
18) Hexachloroethane	5.023	117	4469	4.82	ug/ml	95
21) NITROBENZENE	5.065	77	11590	5.01	ug/ml	94
22) Isophorone	5.214	82	18892	4.87	ug/ml	98
23) 2-Nitrophenol	5.265	139	4836	4.24	ug/ml	98
24) 2,4-Dimethylphenol	5.283	122	9035	4.91	ug/ml	95
25) Bis(2-Chloroethoxy)met...	5.342	93	12834	5.05	ug/ml	95
26) Benzoic Acid	5.342	122	272	0.25	ug/ml#	1
27) 2,4-Dichlorophenol	5.412	162	7658	4.36	ug/ml	98
28) 1,2,4-Trichlorobenzene	5.466	180	9267	4.93	ug/ml	98
29) Naphthalene	5.515	128	32095	5.06	ug/ml	99
30) 4-Chloroaniline	5.545	127	12746	4.66	ug/ml	97
31) Hexachlorobutadiene	5.592	225	4531	4.80	ug/ml	95
32) 4-Chloro-3-Methylphenol	5.839	107	8260	4.52	ug/ml	99
33) 2-MethylNaphthalene	5.944	142	21207	4.92	ug/ml	98
34) 1-Methylnaphthalene	6.006	142	20256	5.00	ug/ml	97
38) Hexachlorocyclopentadiene	6.042	237	3955	3.82	ug/ml	98
39) 1,2,4,5-Tetrachloroben...	6.049	216	8812	4.85	ug/ml	98
40) 2,4,6-Trichlorophenol	6.116	196	5229	4.26	ug/ml	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297008.D
Acq On : 24 Oct 2025 1:25 pm
Operator : BGL
Sample : 8270std 5 ppm 25J0511 Inst : GCMSSV2
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 04 13:35:03 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:33:32 2025
Response via : Initial Calibration

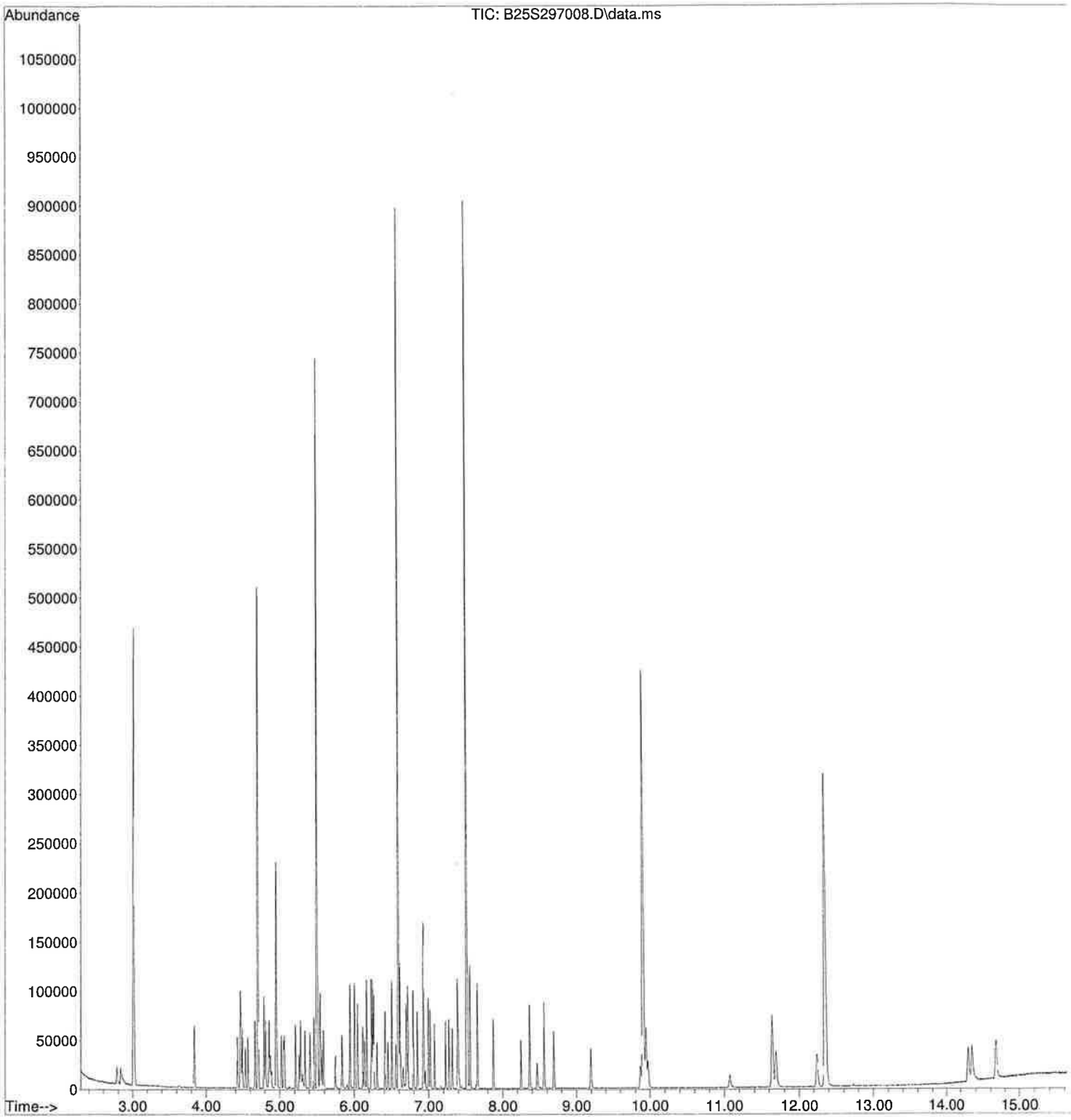
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 2,4,5-Trichlorophenol	6.139	196	5543	4.30 ug/ml	89
42) 2-ChloroNaphthalene	6.247	162	22937	4.95 ug/ml	99
43) 2-Nitroaniline	6.307	65	5298	4.46 ug/ml	97
44) 1,1-Biphenyl	6.232	154	24534	5.04 ug/ml	98
45) DIMETHYL PHTHALATE	6.412	163	20557	5.03 ug/ml	100
46) 2,6-DinitroToluene	6.453	165	3838	4.07 ug/ml	95
47) Acenaphthylene	6.505	152	29992	4.81 ug/ml	99
48) 3-Nitroaniline	6.559	138	4900	4.20 ug/ml	92
49) Acenaphthene	6.613	154	20439	4.89 ug/ml	97
50) 2,4-Dinitrophenol	6.623	184	976	1.92 ug/ml#	1
51) 4-Nitrophenol	6.654	109	1893	3.75 ug/ml#	91
52) Dibenzofuran	6.718	168	27679	5.01 ug/ml	98
53) 2,4-Dinitrotoluene	6.703	165	5390	4.23 ug/ml	95
54) DIETHYL PHTHALATE	6.847	149	19373	4.99 ug/ml	99
55) 4-Chlorophenyl phenyl ...	6.924	204	9783	5.02 ug/ml	96
56) Flourene	6.932	166	22644	4.93 ug/ml	100
57) 4-Nitroaniline	6.934	138	5577	4.33 ug/ml	87
59) 4,6-Dinitro-2-Methylph...	6.955	198	1785	8.03 ug/ml	91
60) N-Nitrosodiphenylamine	6.996	169	14960	4.09 ug/ml	100
61) 1,2-Diphenylhydrazine	7.022	77	22792	5.19 ug/ml	95
62) 4-Bromophenyl phenyl e...	7.227	248	5135	4.52 ug/ml	99
63) Hexachlorobenzene	7.274	284	5828	4.62 ug/ml	96
64) Pentachlorophenol	7.392	266	2660	3.13 ug/ml	93
65) Pentachloronitrobenzene	7.400	295	870	3.96 ug/ml	95
66) Phenanthrene	7.528	178	32328	4.89 ug/ml	99
67) Anthracene	7.559	178	32492	4.91 ug/ml	99
68) Carbazole	7.657	167	29528	4.80 ug/ml	98
69) Di-N-Butyl Phthalate	7.873	149	25888	4.31 ug/ml	98
70) Flouranthene	8.366	202	29503	4.51 ug/ml	97
73) Benzidine	8.467	184	10510	5.15 ug/ml	93
74) Pyrene	8.559	202	31833	5.26 ug/ml	99
75) Butylbenzyl phthalate	9.197	149	9680	4.38 ug/ml	87
76) 3,3'-Dichlorobenzidine	9.868	252	7129	4.11 ug/ml	95
77) Benzo(a)anthracene	9.899	228	26277	4.72 ug/ml	97
78) Chrysene	9.945	228	25933	4.71 ug/ml	98
79) Bis(2-ethylhexyl)phtha...	9.974	149	10309	4.07 ug/ml	97
81) Di-n-octylphthalate	11.072	149	12632	2.84 ug/ml#	90
82) Benzo(b)fluoranthene	11.640	252	25170	4.53 ug/ml	94
83) Benzo(k)fluoranthene	11.692	252	22820	4.14 ug/ml	86
84) Benzo(a)pyrene	12.242	252	22318	4.34 ug/ml	92
85) Indeno(1,2,3-cd)pyrene	14.304	276	20442	4.46 ug/ml	93
86) Dibenz(a,h)anthracene	14.356	278	21831	4.53 ug/ml	92
87) Benzo(g,h,i)perylene	14.677	276	23754	4.67 ug/ml	87
89) 1,4-Dioxane	0.000		0	N.D. d	
90) Benzaldehyde	0.000		0	N.D. d	
91) Benzyl Alcohol	0.000		0	N.D. d	
93) 2,6-Dichlorophenol	0.000		0	N.D. d	
94) Caprolactam	0.000		0	N.D. d	
96) Biphenyl	0.000		0	N.D. d	
97) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D. d	
98) Atrazine	0.000		0	N.D. d	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297008.D
Acq On : 24 Oct 2025 1:25 pm
Operator : BGL
Sample : 8270std 5 ppm 25J0511 Inst : GCMSSV2
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 04 13:35:03 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:33:32 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297009.D
Acq On : 24 Oct 2025 1:50 pm
Operator : BGL
Sample : 8270std 10 ppm 25J0512 Inst : GCMSSV2
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 04 13:38:53 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:36:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.702	152	58341	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	5.502	136	231832	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	6.592	164	129861	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	7.513	188	207852	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.909	240	164446	40.00	ug/ml	0.00
80) PERYLENE-D12	12.355	264	176334	40.00	ug/ml	0.00
88) 1,4-Dichlorobenzene-D4...	0.000	152	0m	40.00	ug/ml	-4.70
92) NAPHTHALENE-d8 (2)	0.000	136	0m	40.00	ug/ml	-5.50
95) ACENAPHTHENE-D10 (2)	0.000	164	0m	40.00	ug/ml	-6.59
System Monitoring Compounds						
2) 2-Fluorophenol	3.840	112	31479	19.31	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery =	9.65%#		
3) Phenol-d6	4.463	99	53599	19.94	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery =	9.97%#		
20) Nitrobenzene-d5	5.052	82	23420	10.15	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery =	10.15%#		
36) 2-Fluorobiphenyl	6.168	172	43722	10.20	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery =	10.20%#		
37) 2,4,6-Tribromophenol	7.078	330	9986	17.31	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery =	8.65%#		
72) p-Terphenyl-d14	8.690	244	34878	10.24	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery =	10.24%#		
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.773	42	10837	10.43	ug/ml#	75
5) Pyridine	2.814	79	23833	9.76	ug/ml	92
6) Aniline	4.491	93	36365	10.22	ug/ml	96
7) Phenol	4.473	94	29360	9.70	ug/ml	97
8) Bis(2-chloroethyl)ether	4.532	63	15380	10.27	ug/ml	97
9) 2-Chlorophenol	4.568	128	22678	9.87	ug/ml	98
10) 1,3-Dichlorobenzene	4.666	146	23701	9.90	ug/ml	97
11) 1,4-Dichlorobenzene	4.712	146	24902	10.15	ug/ml	100
12) 1,2-Dichlorobenzene	4.810	146	22949	9.93	ug/ml	99
13) 2- METHYLPHENOL	4.856	108	20616	9.85	ug/ml	92
14) 2,2'-oxybis(1-chloropr...	4.874	45	25445m	11.89	ug/ml	
15) Acetophenone	4.956	105	31282	10.40	ug/ml	99
16) 3/4- METHYLPHENOL	4.951	107	47905 20	20.58	ug/ml	98
17) N-Nitroso-Di-N-Propyla...	4.956	70	16449	10.53	ug/ml	89
18) Hexachloroethane	5.023	117	9470	10.08	ug/ml	100
21) NITROBENZENE	5.064	77	24276	10.44	ug/ml	96
22) Isophorone	5.211	82	41124	10.55	ug/ml	96
23) 2-Nitrophenol	5.262	139	10587	9.24	ug/ml	100
24) 2,4-Dimethylphenol	5.283	122	18554	10.03	ug/ml	96
25) Bis(2-Chloroethoxy)met...	5.342	93	26519	10.37	ug/ml	96
26) Benzoic Acid	5.314	122	9276	8.36	ug/ml	93
27) 2,4-Dichlorophenol	5.412	162	17148	9.72	ug/ml	99
28) 1,2,4-Trichlorobenzene	5.466	180	18783	9.95	ug/ml	98
29) Naphthalene	5.514	128	66303	10.40	ug/ml	100
30) 4-Chloroaniline	5.545	127	28742	10.45	ug/ml	98
31) Hexachlorobutadiene	5.592	225	9573	10.08	ug/ml	98
32) 4-Chloro-3-Methylphenol	5.838	107	18126	9.86	ug/ml	99
33) 2-MethylNaphthalene	5.944	142	45034	10.40	ug/ml	97
34) 1-Methylnaphthalene	6.006	142	42138	10.34	ug/ml	98
38) Hexachlorocyclopentadiene	6.042	237	9226	8.93	ug/ml	100
39) 1,2,4,5-Tetrachloroben...	6.049	216	17974	9.94	ug/ml	98
40) 2,4,6-Trichlorophenol	6.116	196	11927	9.75	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297009.D
Acq On : 24 Oct 2025 1:50 pm
Operator : BGL
Sample : 8270std 10 ppm 25J0512 Inst : GCMSSV2
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 04 13:38:53 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:36:44 2025
Response via : Initial Calibration

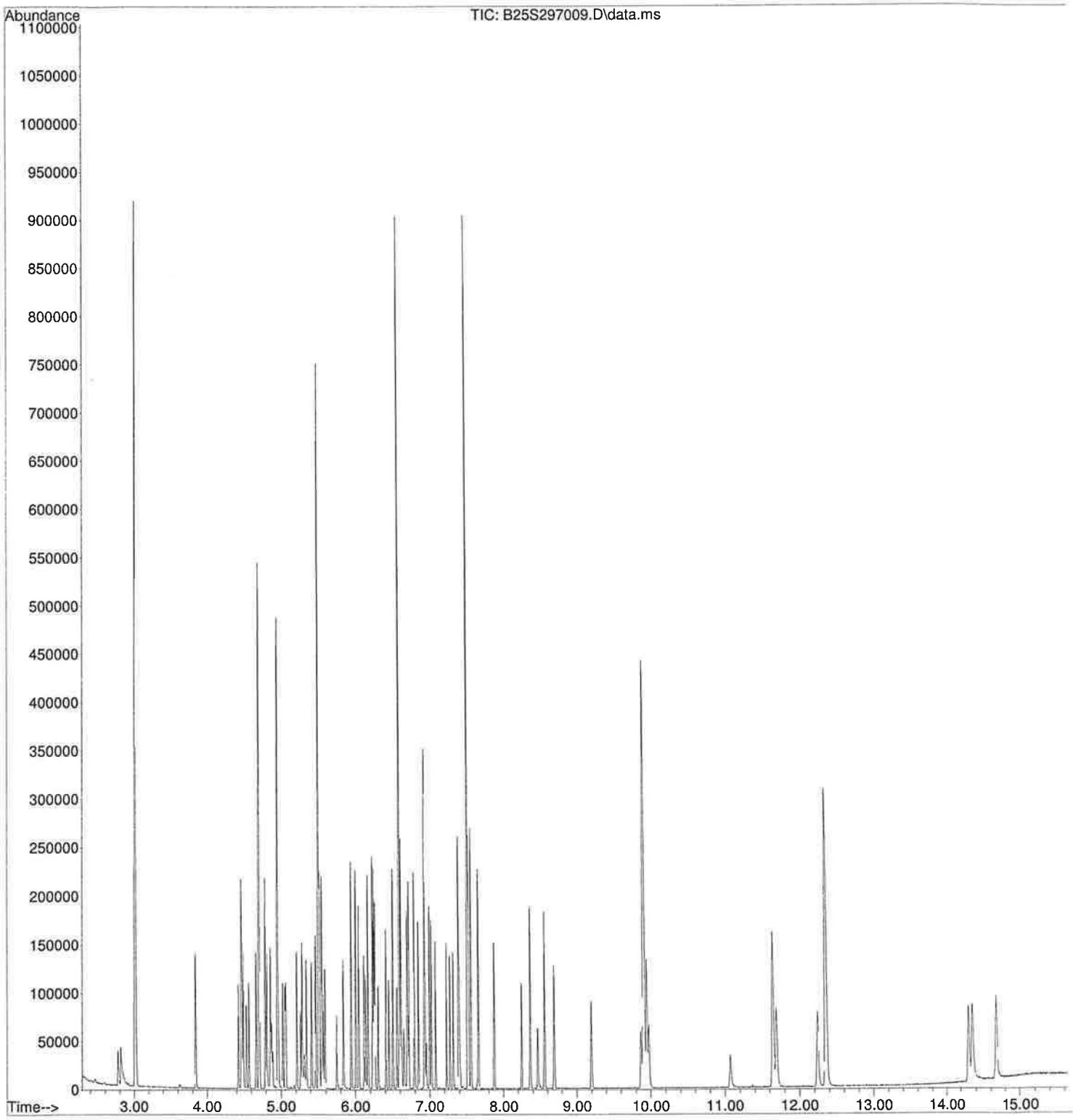
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 2,4,5-Trichlorophenol	6.139	196	12614	9.82	ug/ml	93
42) 2-ChloroNaphthalene	6.247	162	48416	10.48	ug/ml	98
43) 2-Nitroaniline	6.307	65	11638	9.83	ug/ml	98
44) 1,1-Biphenyl	6.229	154	51031	10.51	ug/ml	97
45) DIMETHYL PHTHALATE	6.412	163	42097	10.33	ug/ml	100
46) 2,6-DinitroToluene	6.451	165	9085	9.66	ug/ml	99
47) Acenaphthylene	6.505	152	64659	10.40	ug/ml	100
48) 3-Nitroaniline	6.559	138	11748	10.12	ug/ml	93
49) Acenaphthene	6.613	154	43101	10.34	ug/ml	98
50) 2,4-Dinitrophenol	6.623	184	2811	5.54	ug/ml#	1
51) 4-Nitrophenol	6.651	109	4605	9.17	ug/ml	97
52) Dibenzofuran	6.718	168	56560	10.28	ug/ml	100
53) 2,4-Dinitrotoluene	6.703	165	12011	9.47	ug/ml	96
54) DIETHYL PHTHALATE	6.847	149	40619	10.51	ug/ml	99
55) 4-Chlorophenyl phenyl ...	6.924	204	19282	9.93	ug/ml	98
56) Flourene	6.931	166	46560	10.17	ug/ml	98
57) 4-Nitroaniline	6.934	138	12679	9.89	ug/ml	87
59) 4,6-Dinitro-2-Methylph...	6.952	198	4876	11.42	ug/ml	96
60) N-Nitrosodiphenylamine	6.996	169	31547	8.79	ug/ml	100
61) 1,2-Diphenylhydrazine	7.021	77	47075	10.91	ug/ml	95
62) 4-Bromophenyl phenyl e...	7.227	248	11103	9.96	ug/ml	99
63) Hexachlorobenzene	7.273	284	12126	9.81	ug/ml	97
64) Pentachlorophenol	7.392	266	6276	7.54	ug/ml	96
65) Pentachloronitrobenzene	7.399	295	1961	9.09	ug/ml	97
66) Phenanthrene	7.528	178	67217	10.35	ug/ml	99
67) Anthracene	7.559	178	67757	10.43	ug/ml	99
68) Carbazole	7.657	167	61168	10.14	ug/ml	99
69) Di-N-Butyl Phthalate	7.875	149	56287	9.55	ug/ml	100
70) Flouranthene	8.366	202	61912	9.65	ug/ml	98
73) Benzidine	8.467	184	23734	11.69	ug/ml	93
74) Pyrene	8.559	202	65849	10.92	ug/ml	99
75) Butylbenzyl phthalate	9.197	149	21081	9.57	ug/ml	87
76) 3,3'-Dichlorobenzidine	9.868	252	16229	9.40	ug/ml	97
77) Benzo(a)anthracene	9.896	228	55302	9.97	ug/ml	99
78) Chrysene	9.945	228	55095	10.04	ug/ml	98
79) Bis(2-ethylhexyl)phtha...	9.976	149	24027	9.52	ug/ml	97
81) Di-n-octylphthalate	11.074	149	30699	7.10	ug/ml	91
82) Benzo(b)fluoranthene	11.643	252	53187	9.83	ug/ml	94
83) Benzo(k)fluoranthene	11.689	252	54386	10.13	ug/ml	94
84) Benzo(a)pyrene	12.242	252	49456	9.86	ug/ml	94
85) Indeno(1,2,3-cd)pyrene	14.302	276	43978	9.86	ug/ml	90
86) Dibenz(a,h)anthracene	14.353	278	45614	9.73	ug/ml	93
87) Benzo(g,h,i)perylene	14.677	276	49955	10.09	ug/ml	89
89) 1,4-Dioxane	0.000		0	N.D.	d	
90) Benzaldehyde	0.000		0	N.D.	d	
91) Benzyl Alcohol	0.000		0	N.D.	d	
93) 2,6-Dichlorophenol	0.000		0	N.D.	d	
94) Caprolactam	0.000		0	N.D.	d	
96) Biphenyl	0.000		0	N.D.	d	
97) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	d	
98) Atrazine	0.000		0	N.D.	d	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297009.D
Acq On : 24 Oct 2025 1:50 pm
Operator : BGL
Sample : 8270std 10 ppm 25J0512 Inst : GCMSSV2
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 04 13:38:53 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:36:44 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297010.D
Acq On : 24 Oct 2025 2:15 pm
Operator : BGL
Sample : 8270std 20 ppm 25J0513 Inst : GCMSSV2
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 04 13:44:28 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:41:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.702	152	64120	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	5.502	136	264231	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	6.592	164	146893	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	7.513	188	234309	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.912	240	209217	40.00	ug/ml	0.00
80) PERYLENE-D12	12.360	264	235284	40.00	ug/ml	0.00
88) 1,4-Dichlorobenzene-D4...	0.000	152	0m	40.00	ug/ml	-4.70
92) NAPHTHALENE-d8 (2)	0.000	136	0m	40.00	ug/ml	-5.50
95) ACENAPHTHENE-D10 (2)	0.000	164	0m	40.00	ug/ml	-6.59
System Monitoring Compounds						
2) 2-Fluorophenol	3.840	112	68491	38.23	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 19.11%#			
3) Phenol-d6	4.465	99	116158	39.32	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 19.66%#			
20) Nitrobenzene-d5	5.052	82	51264	19.50	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 19.50%#			
36) 2-Fluorobiphenyl	6.168	172	94038	19.39	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 19.39%#			
37) 2,4,6-Tribromophenol	7.081	330	23239	35.62	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 17.81%#			
72) p-Terphenyl-d14	8.690	244	83132	19.19	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 19.19%#			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.768	42	22268	19.50	ug/ml#	73
5) Pyridine	2.799	79	54341	20.18	ug/ml	91
6) Aniline	4.491	93	79000	20.20	ug/ml	97
7) Phenol	4.473	94	65191	19.60	ug/ml	96
8) Bis(2-chloroethyl)ether	4.532	63	32740	19.90	ug/ml	94
9) 2-Chlorophenol	4.568	128	48896	19.37	ug/ml	96
10) 1,3-Dichlorobenzene	4.666	146	51678	19.63	ug/ml	98
11) 1,4-Dichlorobenzene	4.715	146	51587	19.14	ug/ml	100
12) 1,2-Dichlorobenzene	4.810	146	48432	19.07	ug/ml	99
13) 2- METHYLPHENOL	4.856	108	43924	19.09	ug/ml	92
14) 2,2'-oxybis(1-chloropr...	4.872	45	52563m	22.35	ug/ml	
15) Acetophenone	4.957	105	66683	20.17	ug/ml	100
16) 3/4- METHYLPHENOL	4.951	107	104918 40	41.00	ug/ml	98
17) N-Nitroso-Di-N-Propyla...	4.957	70	34809	20.28	ug/ml	92
18) Hexachloroethane	5.023	117	19955	19.33	ug/ml	99
21) NITROBENZENE	5.064	77	52037	19.64	ug/ml	96
22) Isophorone	5.214	82	86531	19.47	ug/ml	98
23) 2-Nitrophenol	5.263	139	24750	18.95	ug/ml	99
24) 2,4-Dimethylphenol	5.283	122	39630	18.79	ug/ml	96
25) Bis(2-Chloroethoxy)met...	5.342	93	57221	19.64	ug/ml	96
26) Benzoic Acid	5.324	122	22289	17.62	ug/ml	97
27) 2,4-Dichlorophenol	5.412	162	38528	19.17	ug/ml	99
28) 1,2,4-Trichlorobenzene	5.466	180	40804	18.96	ug/ml	99
29) Naphthalene	5.517	128	138954	19.12	ug/ml	99
30) 4-Chloroaniline	5.545	127	63217	20.17	ug/ml	99
31) Hexachlorobutadiene	5.592	225	20526	18.97	ug/ml	98
32) 4-Chloro-3-Methylphenol	5.839	107	40666	19.40	ug/ml	98
33) 2-MethylNaphthalene	5.944	142	96298	19.52	ug/ml	97
34) 1-Methylnaphthalene	6.006	142	89521	19.28	ug/ml	99
38) Hexachlorocyclopentadiene	6.042	237	21224	18.17	ug/ml	100
39) 1,2,4,5-Tetrachloroben...	6.049	216	39804	19.46	ug/ml	100
40) 2,4,6-Trichlorophenol	6.116	196	26510	19.15	ug/ml	97

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297010.D
Acq On : 24 Oct 2025 2:15 pm
Operator : BGL
Sample : 8270std 20 ppm 25J0513 Inst : GCMSSV2
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 04 13:44:28 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:41:34 2025
Response via : Initial Calibration

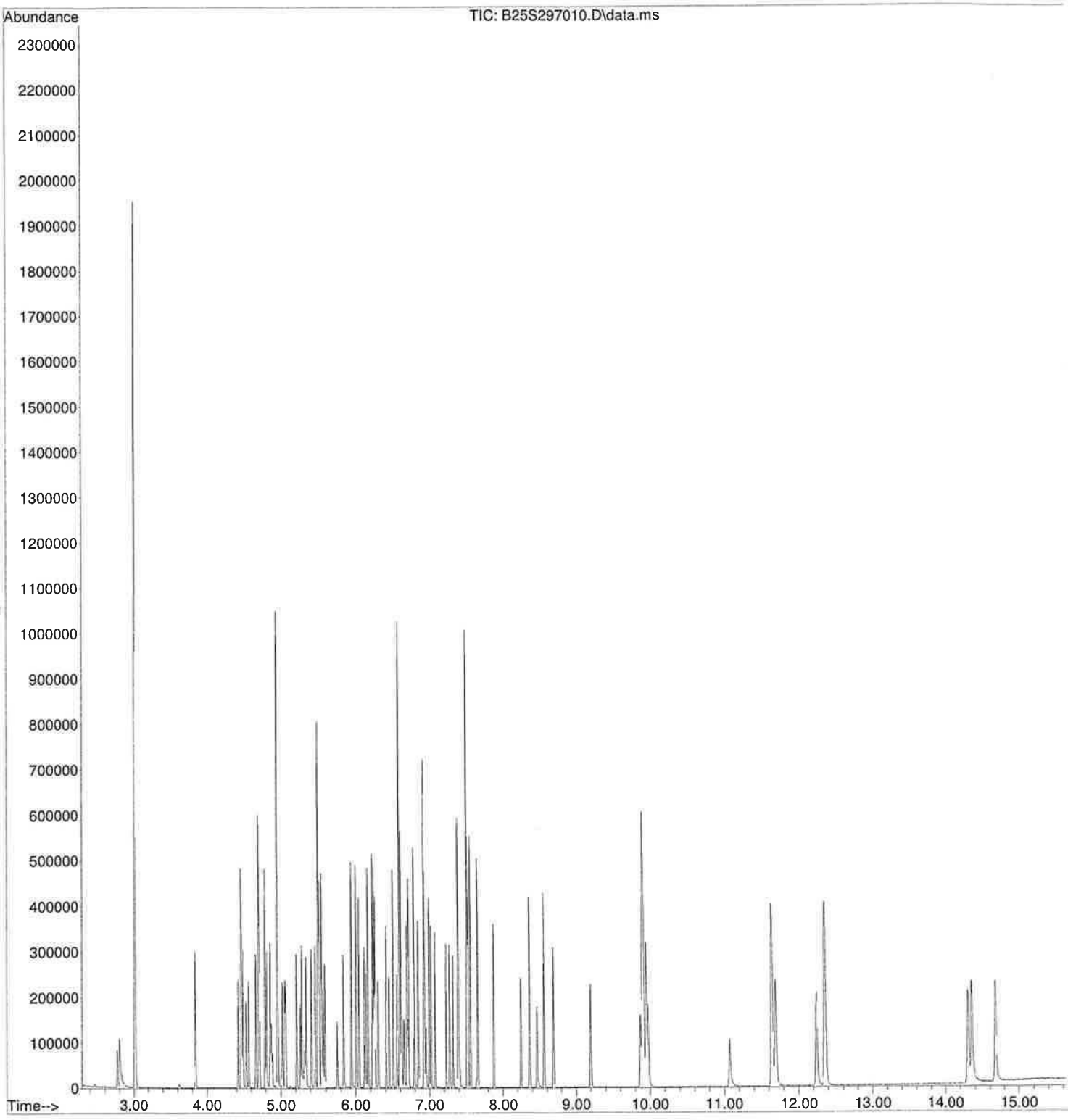
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 2,4,5-Trichlorophenol	6.139	196	27604	19.00 ug/ml	90
42) 2-ChloroNaphthalene	6.247	162	103481	19.80 ug/ml	97
43) 2-Nitroaniline	6.304	65	26734	19.97 ug/ml	98
44) 1,1-Biphenyl	6.229	154	109479	19.94 ug/ml	98
45) DIMETHYL PHTHALATE	6.412	163	91646	19.89 ug/ml	99
46) 2,6-DinitroToluene	6.453	165	20581	19.35 ug/ml	98
47) Acenaphthylene	6.505	152	138861	19.75 ug/ml	100
48) 3-Nitroaniline	6.559	138	26662	20.29 ug/ml	96
49) Acenaphthene	6.613	154	91986	19.51 ug/ml	98
50) 2,4-Dinitrophenol	6.623	184	8084	14.08 ug/ml#	1
51) 4-Nitrophenol	6.651	109	11088	19.51 ug/ml	96
52) Dibenzofuran	6.718	168	120262	19.32 ug/ml	99
53) 2,4-Dinitrotoluene	6.703	165	27946	19.47 ug/ml	98
54) DIETHYL PHTHALATE	6.847	149	86705	19.83 ug/ml	99
55) 4-Chlorophenyl phenyl ...	6.924	204	42598	19.39 ug/ml	98
56) Flourene	6.931	166	102064	19.72 ug/ml	100
57) 4-Nitroaniline	6.937	138	27926	19.26 ug/ml	89
59) 4,6-Dinitro-2-Methylph...	6.955	198	13242	18.87 ug/ml	99
60) N-Nitrosodiphenylamine	6.996	169	68276	16.88 ug/ml	99
61) 1,2-Diphenylhydrazine	7.021	77	97065	19.96 ug/ml	96
62) 4-Bromophenyl phenyl e...	7.227	248	23732	18.88 ug/ml	99
63) Hexachlorobenzene	7.273	284	26582	19.07 ug/ml	99
64) Pentachlorophenol	7.392	266	15763	16.79 ug/ml	98
65) Pentachloronitrobenzene	7.399	295	4559	18.74 ug/ml	99
66) Phenanthrene	7.528	178	141314	19.31 ug/ml	99
67) Anthracene	7.559	178	143895	19.66 ug/ml	100
68) Carbazole	7.657	167	135723	19.96 ug/ml	98
69) Di-N-Butyl Phthalate	7.873	149	130087	19.58 ug/ml	99
70) Flouranthene	8.366	202	140473	19.42 ug/ml	98
73) Benzidine	8.467	184	60651	23.47 ug/ml	94
74) Pyrene	8.562	202	150679	19.64 ug/ml	99
75) Butylbenzyl phthalate	9.197	149	53277	19.02 ug/ml	88
76) 3,3'-Dichlorobenzidine	9.868	252	43457	19.78 ug/ml	96
77) Benzo(a)anthracene	9.899	228	135409	19.18 ug/ml	97
78) Chrysene	9.948	228	134299	19.24 ug/ml	98
79) Bis(2-ethylhexyl)phtha...	9.976	149	63657	19.83 ug/ml	99
81) Di-n-octylphthalate	11.074	149	92258	15.99 ug/ml	94
82) Benzo(b)fluoranthene	11.643	252	135834	18.82 ug/ml	94
83) Benzo(k)fluoranthene	11.694	252	141883	19.80 ug/ml	96
84) Benzo(a)pyrene	12.247	252	130396	19.49 ug/ml	94
85) Indeno(1,2,3-cd)pyrene	14.307	276	113470	19.06 ug/ml	91
86) Dibenz(a,h)anthracene	14.356	278	120643	19.28 ug/ml	92
87) Benzo(g,h,i)perylene	14.677	276	130871	19.81 ug/ml	88
89) 1,4-Dioxane	0.000		0	N.D. d	
90) Benzaldehyde	0.000		0	N.D. d	
91) Benzyl Alcohol	0.000		0	N.D. d	
93) 2,6-Dichlorophenol	0.000		0	N.D. d	
94) Caprolactam	0.000		0	N.D. d	
96) Biphenyl	0.000		0	N.D. d	
97) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D. d	
98) Atrazine	0.000		0	N.D. d	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297010.D
Acq On : 24 Oct 2025 2:15 pm
Operator : BGL
Sample : 8270std 20 ppm 25J0513 Inst : GCMSSV2
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 04 13:44:28 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:41:34 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297011.D
Acq On : 24 Oct 2025 2:39 pm
Operator : BGL
Sample : 8270std 50 ppm 25J0514 Inst : GCMSSV2
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 04 13:48:49 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:47:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.702	152	68730	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	5.502	136	277939	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	6.592	164	156569	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	7.513	188	252852	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.915	240	243698	40.00	ug/ml	0.00
80) PERYLENE-D12	12.360	264	256883	40.00	ug/ml	0.00
88) 1,4-Dichlorobenzene-D4...	0.000	152	0m	40.00	ug/ml	-4.70
92) NAPHTHALENE-d8 (2)	0.000	136	0m	40.00	ug/ml	-5.50
95) ACENAPHTHENE-D10 (2)	0.000	164	0m	40.00	ug/ml	-6.59
System Monitoring Compounds						
2) 2-Fluorophenol	3.840	112	172205	89.68	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 44.84%			
3) Phenol-d6	4.465	99	286868	90.60	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 45.30%			
20) Nitrobenzene-d5	5.054	82	126057	45.59	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 45.59%			
36) 2-Fluorobiphenyl	6.168	172	238578	46.16	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 46.16%			
37) 2,4,6-Tribromophenol	7.081	330	65961	94.86	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 47.43%			
72) p-Terphenyl-d14	8.690	244	240114	47.58	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 47.58%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.766	42	54936	44.89	ug/ml#	73
5) Pyridine	2.791	79	134979	46.51	ug/ml	94
6) Aniline	4.491	93	191513	45.68	ug/ml	98
7) Phenol	4.476	94	160495	45.02	ug/ml	97
8) Bis(2-chloroethyl)ether	4.535	63	81856	46.41	ug/ml	94
9) 2-Chlorophenol	4.568	128	123952	45.82	ug/ml	98
10) 1,3-Dichlorobenzene	4.668	146	129475	45.89	ug/ml	99
11) 1,4-Dichlorobenzene	4.712	146	133215	46.11	ug/ml	98
12) 1,2-Dichlorobenzene	4.810	146	125605	46.13	ug/ml	99
13) 2- METHYLPHENOL	4.859	108	110852	44.96	ug/ml	93
14) 2,2'-oxybis(1-chloropr...	4.874	45	130906	45.78	ug/ml#	63
15) Acetophenone	4.957	105	159806	45.10	ug/ml	100
16) 3/4- METHYLPHENOL	4.954	107	252959	92.23	ug/ml	98
17) N-Nitroso-Di-N-Propyla...	4.959	70	83128	45.18	ug/ml	93
18) Hexachloroethane	5.023	117	52072	47.05	ug/ml	97
21) NITROBENZENE	5.067	77	126281	45.31	ug/ml	96
22) Isophorone	5.214	82	218764	46.81	ug/ml	98
23) 2-Nitrophenol	5.265	139	64730	47.11	ug/ml	97
24) 2,4-Dimethylphenol	5.283	122	102711	46.29	ug/ml	96
25) Bis(2-Chloroethoxy)met...	5.345	93	143158	46.70	ug/ml	99
26) Benzoic Acid	5.340	122	65282	49.05	ug/ml	94
27) 2,4-Dichlorophenol	5.412	162	98405	46.54	ug/ml	99
28) 1,2,4-Trichlorobenzene	5.466	180	104313	46.09	ug/ml	99
29) Naphthalene	5.517	128	343621	44.96	ug/ml	100
30) 4-Chloroaniline	5.545	127	154598	46.90	ug/ml	100
31) Hexachlorobutadiene	5.592	225	55186	48.48	ug/ml	99
32) 4-Chloro-3-Methylphenol	5.841	107	101159	45.89	ug/ml	99
33) 2-MethylNaphthalene	5.944	142	237899	45.84	ug/ml	98
34) 1-Methylnaphthalene	6.006	142	221161	45.28	ug/ml	99
38) Hexachlorocyclopentadiene	6.042	237	61823	49.65	ug/ml	99
39) 1,2,4,5-Tetrachloroben...	6.049	216	103513	47.47	ug/ml	99
40) 2,4,6-Trichlorophenol	6.116	196	69761	47.28	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297011.D
Acq On : 24 Oct 2025 2:39 pm
Operator : BGL
Sample : 8270std 50 ppm 25J0514 Inst : GCMSSV2
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 04 13:48:49 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:47:19 2025
Response via : Initial Calibration

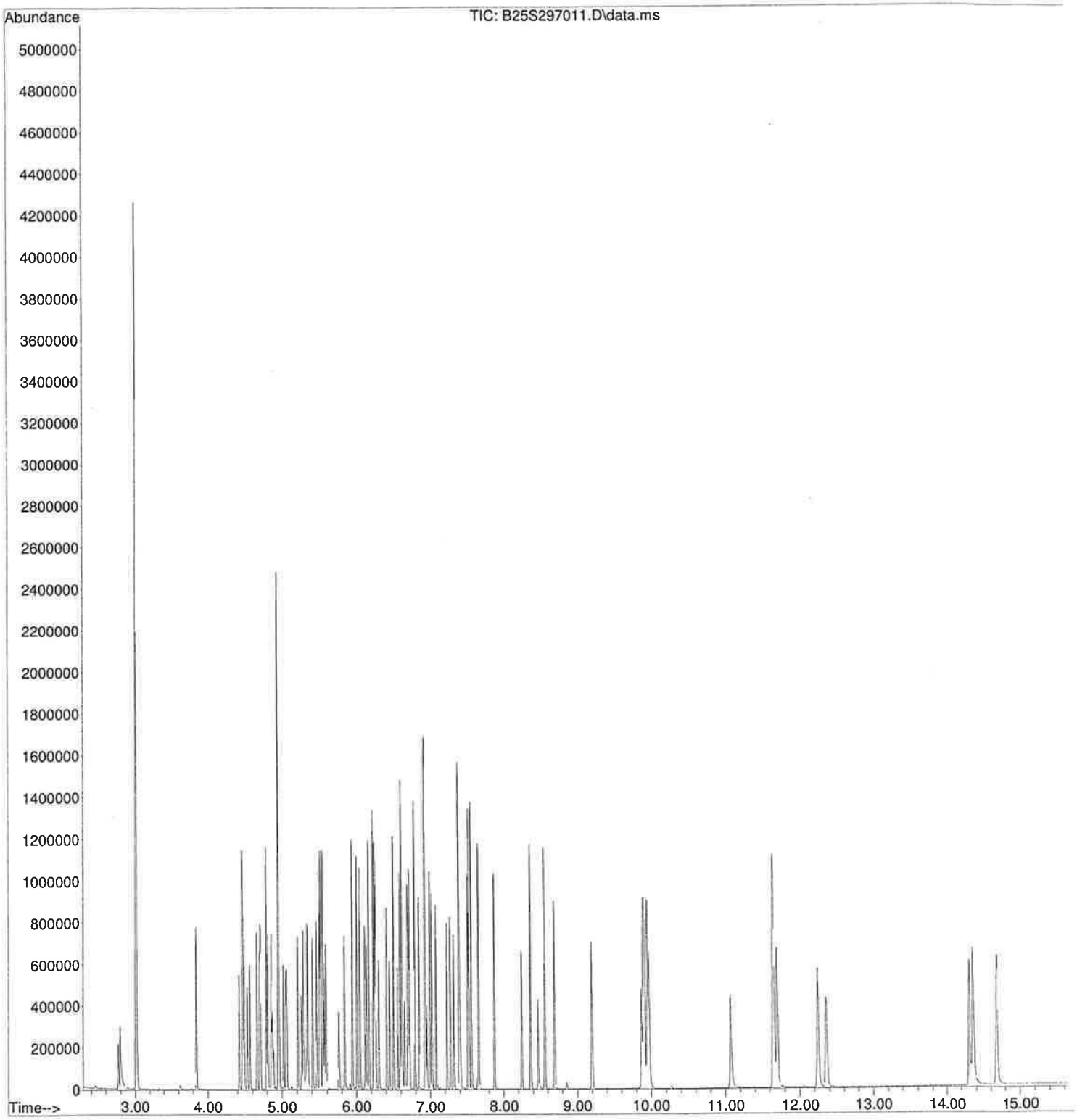
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 2,4,5-Trichlorophenol	6.139	196	73796	47.65 ug/ml	93
42) 2-ChloroNaphthalene	6.250	162	249751	44.84 ug/ml	97
43) 2-Nitroaniline	6.307	65	66669	46.72 ug/ml	99
44) 1,1-Biphenyl	6.232	154	273525	46.74 ug/ml	99
45) DIMETHYL PHTHALATE	6.412	163	232801	47.40 ug/ml	99
46) 2,6-DinitroToluene	6.453	165	54815	48.36 ug/ml	97
47) Acenaphthylene	6.505	152	351462	46.90 ug/ml	99
48) 3-Nitroaniline	6.561	138	68163	48.68 ug/ml	99
49) Acenaphthene	6.613	154	234469	46.66 ug/ml	98
50) 2,4-Dinitrophenol	6.623	184	27787	45.42 ug/ml#	84
51) 4-Nitrophenol	6.654	109	28940	47.78 ug/ml	93
52) Dibenzofuran	6.718	168	302327	45.56 ug/ml	97
53) 2,4-Dinitrotoluene	6.703	165	73923	48.32 ug/ml	97
54) DIETHYL PHTHALATE	6.849	149	224985	48.28 ug/ml	99
55) 4-Chlorophenyl phenyl ...	6.924	204	111039	47.41 ug/ml	97
56) Flourene	6.931	166	257855	46.73 ug/ml	99
57) 4-Nitroaniline	6.939	138	72508	46.91 ug/ml	91
59) 4,6-Dinitro-2-Methylph...	6.957	198	41970	43.53 ug/ml	94
60) N-Nitrosodiphenylamine	6.996	169	173484	39.73 ug/ml	99
61) 1,2-Diphenylhydrazine	7.024	77	246175	46.91 ug/ml	95
62) 4-Bromophenyl phenyl e...	7.227	248	64447	47.52 ug/ml	96
63) Hexachlorobenzene	7.274	284	71163	47.30 ug/ml	98
64) Pentachlorophenol	7.392	266	47427	46.81 ug/ml	98
65) Pentachloronitrobenzene	7.402	295	13001	49.51 ug/ml	95
66) Phenanthrene	7.528	178	351765	44.53 ug/ml	100
67) Anthracene	7.562	178	369240	46.74 ug/ml	100
68) Carbazole	7.657	167	345968	47.14 ug/ml	99
69) Di-N-Butyl Phthalate	7.873	149	378402	52.78 ug/ml	100
70) Flouranthene	8.366	202	378572	48.49 ug/ml	99
73) Benzidine	8.467	184	142309	47.28 ug/ml	93
74) Pyrene	8.562	202	401463	44.92 ug/ml	100
75) Butylbenzyl phthalate	9.197	149	173861	53.28 ug/ml	90
76) 3,3'-Dichlorobenzidine	9.868	252	127224	49.72 ug/ml	97
77) Benzo(a)anthracene	9.902	228	388979	47.31 ug/ml	97
78) Chrysene	9.953	228	373886	46.00 ug/ml	99
79) Bis(2-ethylhexyl)phtha...	9.976	149	229132	61.28 ug/ml	99
81) Di-n-octylphthalate	11.072	149	363434	57.70 ug/ml	95
82) Benzo(b)fluoranthene	11.653	252	385612	48.94 ug/ml	94
83) Benzo(k)fluoranthene	11.704	252	394207	50.40 ug/ml	97
84) Benzo(a)pyrene	12.252	252	366047	50.12 ug/ml	95
85) Indeno(1,2,3-cd)pyrene	14.314	276	316523	48.70 ug/ml	92
86) Dibenz(a,h)anthracene	14.361	278	337137	49.35 ug/ml	94
87) Benzo(g,h,i)perylene	14.687	276	347932	48.23 ug/ml	90
89) 1,4-Dioxane	0.000		0	N.D. d	
90) Benzaldehyde	0.000		0	N.D. d	
91) Benzyl Alcohol	0.000		0	N.D. d	
93) 2,6-Dichlorophenol	0.000		0	N.D. d	
94) Caprolactam	0.000		0	N.D. d	
96) Biphenyl	0.000		0	N.D. d	
97) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D. d	
98) Atrazine	0.000		0	N.D. d	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297011.D
Acq On : 24 Oct 2025 2:39 pm
Operator : BGL
Sample : 8270std 50 ppm 25J0514 Inst : GCMSSV2
Misc :
ALS Vial : 11 Sample Multiplier: 1

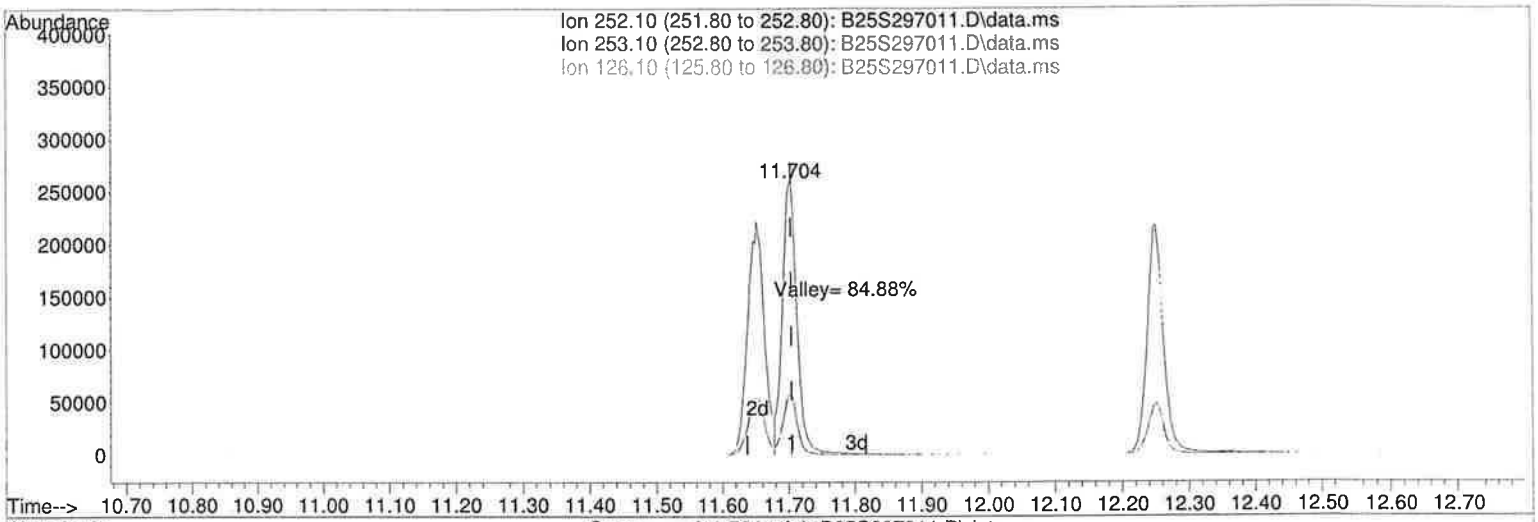
Quant Time: Nov 04 13:48:49 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:47:19 2025
Response via : Initial Calibration

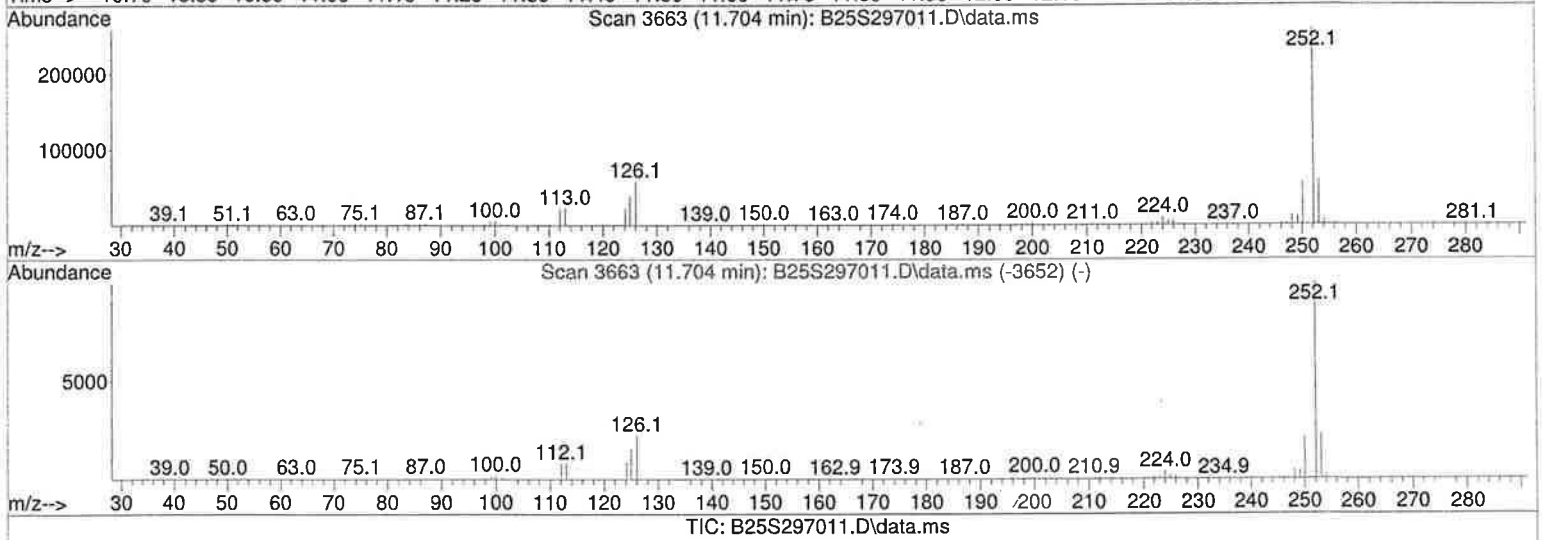


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297011.D
Acq On : 24 Oct 2025 2:39 pm
Operator : BGL
Sample : 8270std 50 ppm 25J0514 Inst : GCMSSV2
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 04 13:48:49 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:47:19 2025
Response via : Initial Calibration





TIC: B25S297011.D\data.ms

(83) Benzo(k)fluoranthene (T)

11.704min (0.000) 50.40 ug/ml

response 394207

Ion	Exp%	Act%
252.10	100.00	100.00
253.10	20.70	21.27
126.10	19.40	21.91
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297012.D
Acq On : 24 Oct 2025 3:04 pm
Operator : BGL
Sample : 8270std 80 ppm 25J0515 Inst : GCMSSV2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 04 13:52:28 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:51:17 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.702	152	62725	40.00	ug/ml	# 0.00
19) NAPHTHALENE-d8	5.504	136	255357	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	6.592	164	144353	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	7.515	188	231840	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.917	240	233617	40.00	ug/ml	0.00
80) PERYLENE-D12	12.363	264	253232	40.00	ug/ml	0.00
88) 1,4-Dichlorobenzene-D4...	0.000	152	0m	40.00	ug/ml	-4.70
92) NAPHTHALENE-d8 (2)	0.000	136	0m	40.00	ug/ml	-5.50
95) ACENAPHTHENE-D10 (2)	0.000	164	0m	40.00	ug/ml	-6.59
System Monitoring Compounds						
2) 2-Fluorophenol	3.840	112	269920	154.02	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 77.01%			
3) Phenol-d6	4.468	99	443943	153.64	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 76.82%			
20) Nitrobenzene-d5	5.054	82	195846	77.09	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 77.09%			
36) 2-Fluorobiphenyl	6.170	172	367526	77.12	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 77.12%			
37) 2,4,6-Tribromophenol	7.081	330	105864	165.13	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 82.56%			
72) p-Terphenyl-d14	8.690	244	360821	74.58	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 74.58%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.763	42	84840	75.96	ug/ml#	72
5) Pyridine	2.786	79	209285	78.89	ug/ml	94
6) Aniline	4.494	93	298988	78.14	ug/ml	100
7) Phenol	4.476	94	250182m	76.90	ug/ml	
8) Bis(2-chloroethyl)ether	4.535	63	120702	74.99	ug/ml	96
9) 2-Chlorophenol	4.568	128	193424	78.34	ug/ml	98
10) 1,3-Dichlorobenzene	4.666	146	195804	76.05	ug/ml	99
11) 1,4-Dichlorobenzene	4.715	146	201644	76.48	ug/ml	99
12) 1,2-Dichlorobenzene	4.813	146	191025	76.87	ug/ml	98
13) 2- METHYLPHENOL	4.859	108	176858	78.59	ug/ml	93
14) 2,2'-oxybis(1-chloropr...	4.874	45	194991	74.72	ug/ml#	62
15) Acetophenone	4.959	105	241207	74.58	ug/ml	99
16) 3/4- METHYLPHENOL	4.957	107	388606	155.25	ug/ml	97
17) N-Nitroso-Di-N-Propyla...	4.962	70	124998	74.45	ug/ml	95
18) Hexachloroethane	5.023	117	78389	77.61	ug/ml	96
21) NITROBENZENE	5.067	77	197024	76.94	ug/ml	98
22) Isophorone	5.216	82	327457	76.26	ug/ml	99
23) 2-Nitrophenol	5.265	139	105421	83.51	ug/ml	96
24) 2,4-Dimethylphenol	5.286	122	158530	77.76	ug/ml	97
25) Bis(2-Chloroethoxy)met...	5.345	93	213531	75.82	ug/ml	100
26) Benzoic Acid	5.347	122	109398	89.47	ug/ml	91
27) 2,4-Dichlorophenol	5.414	162	157576	81.11	ug/ml	98
28) 1,2,4-Trichlorobenzene	5.466	180	162569	78.18	ug/ml	99
29) Naphthalene	5.517	128	532234	75.79	ug/ml	100
30) 4-Chloroaniline	5.548	127	236355	78.05	ug/ml	99
31) Hexachlorobutadiene	5.592	225	84311	80.61	ug/ml	98
32) 4-Chloro-3-Methylphenol	5.841	107	160977	79.47	ug/ml	99
33) 2-MethylNaphthalene	5.944	142	367350	77.05	ug/ml	98
34) 1-Methylnaphthalene	6.008	142	346824	77.29	ug/ml	98
38) Hexachlorocyclopentadiene	6.042	237	98680	85.95	ug/ml	99
39) 1,2,4,5-Tetrachloroben...	6.049	216	162384	80.78	ug/ml	99
40) 2,4,6-Trichlorophenol	6.119	196	110985	81.59	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297012.D
Acq On : 24 Oct 2025 3:04 pm
Operator : BGL
Sample : 8270std 80 ppm 25J0515 Inst : GCMSSV2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 04 13:52:28 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:51:17 2025
Response via : Initial Calibration

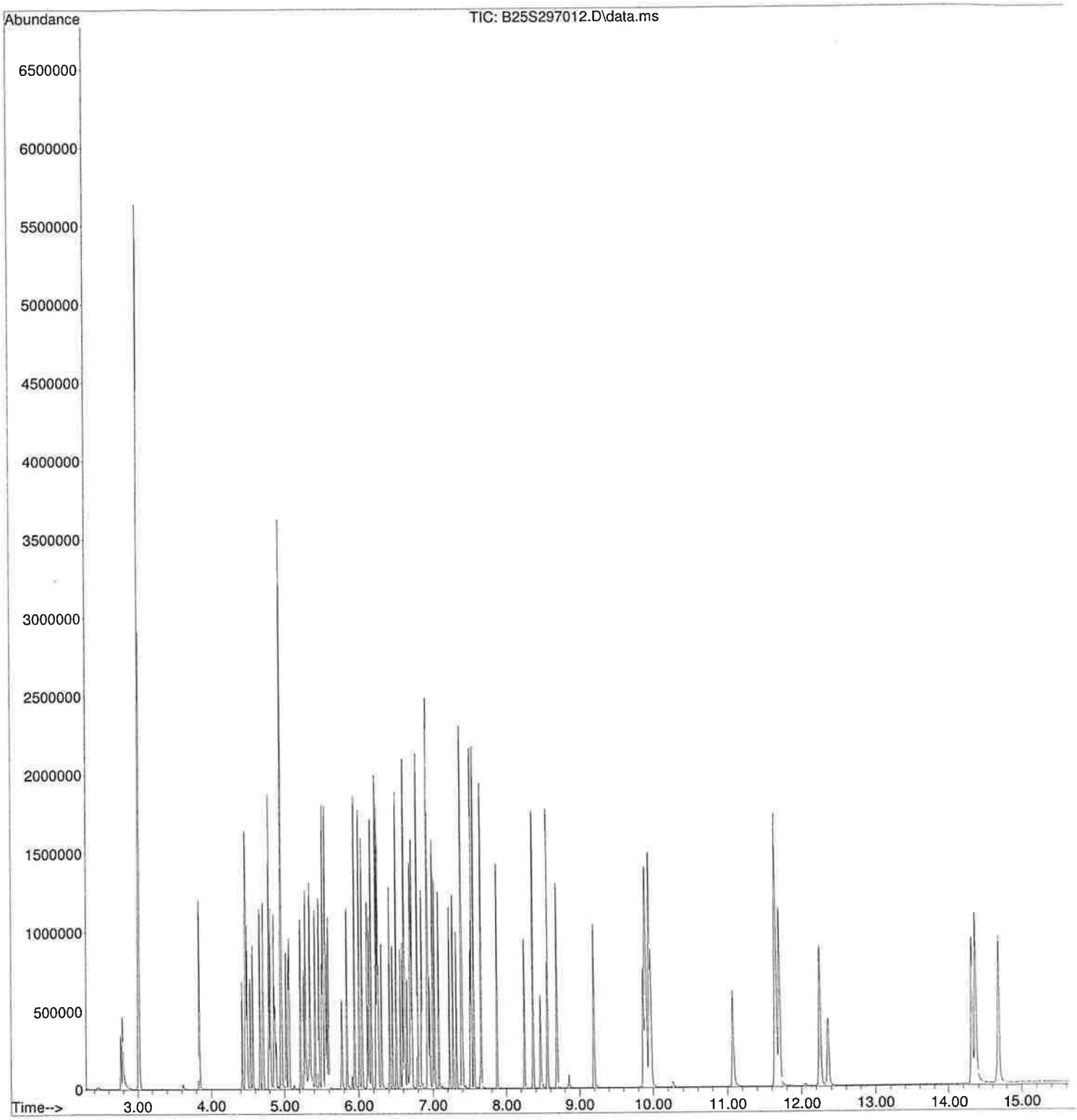
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 2,4,5-Trichlorophenol	6.142	196	115926	81.18 ug/ml	91
42) 2-ChloroNaphthalene	6.250	162	406778	79.21 ug/ml	99
43) 2-Nitroaniline	6.307	65	107579	81.77 ug/ml	98
44) 1,1-Biphenyl	6.232	154	415350	76.98 ug/ml	99
45) DIMETHYL PHTHALATE	6.415	163	354424	78.27 ug/ml	100
46) 2,6-DinitroToluene	6.456	165	86009	82.31 ug/ml	96
47) Acenaphthylene	6.507	152	542536	78.52 ug/ml	99
48) 3-Nitroaniline	6.561	138	105152	81.45 ug/ml	99
49) Acenaphthene	6.613	154	361963	78.13 ug/ml	99
50) 2,4-Dinitrophenol	6.625	184	52269	92.66 ug/ml#	92
51) 4-Nitrophenol	6.656	109	48002	85.95 ug/ml	93
52) Dibenzofuran	6.721	168	466118	76.19 ug/ml	97
53) 2,4-Dinitrotoluene	6.705	165	117246	83.12 ug/ml	98
54) DIETHYL PHTHALATE	6.849	149	327112	76.14 ug/ml	98
55) 4-Chlorophenyl phenyl ...	6.926	204	167202	77.44 ug/ml	97
56) Flourene	6.931	166	396972	78.03 ug/ml	99
57) 4-Nitroaniline	6.942	138	117048	82.13 ug/ml	87
59) 4,6-Dinitro-2-Methylph...	6.957	198	72062	76.17 ug/ml	93
60) N-Nitrosodiphenylamine	6.998	169	266990	66.69 ug/ml	98
61) 1,2-Diphenylhydrazine	7.024	77	359427	74.71 ug/ml	97
62) 4-Bromophenyl phenyl e...	7.230	248	99069	79.67 ug/ml	95
63) Hexachlorobenzene	7.276	284	112041	81.23 ug/ml	97
64) Pentachlorophenol	7.394	266	77719	83.66 ug/ml	99
65) Pentachloronitrobenzene	7.405	295	19993	83.04 ug/ml	94
66) Phenanthrene	7.531	178	546309	75.43 ug/ml	100
67) Anthracene	7.562	178	560020	77.31 ug/ml	100
68) Carbazole	7.659	167	534265	79.39 ug/ml	99
69) Di-N-Butyl Phthalate	7.875	149	516995	78.64 ug/ml	100
70) Flouranthene	8.369	202	584051	81.59 ug/ml	99
73) Benzidine	8.467	184	199461	69.13 ug/ml	94
74) Pyrene	8.562	202	626155	73.08 ug/ml	99
75) Butylbenzyl phthalate	9.197	149	247565	79.14 ug/ml	91
76) 3,3'-Dichlorobenzidine	9.871	252	205312	83.71 ug/ml	97
77) Benzo(a)anthracene	9.904	228	626891	79.54 ug/ml	97
78) Chrysene	9.956	228	611491	78.47 ug/ml	98
79) Bis(2-ethylhexyl)phtha...	9.974	149	304346	84.91 ug/ml	99
81) Di-n-octylphthalate	11.074	149	512041	82.46 ug/ml	96
82) Benzo(b)fluoranthene	11.658	252	658784	84.81 ug/ml	95
83) Benzo(k)fluoranthene	11.709	252	653658	84.77 ug/ml	96
84) Benzo(a)pyrene	12.252	252	624233	86.70 ug/ml	95
85) Indeno(1,2,3-cd)pyrene	14.320	276	543374	84.80 ug/ml	93
86) Dibenz(a,h)anthracene	14.368	278	575918	85.51 ug/ml	95
87) Benzo(g,h,i)perylene	14.693	276	581085	81.71 ug/ml	89
89) 1,4-Dioxane	0.000		0	N.D. d	
90) Benzaldehyde	0.000		0	N.D. d	
91) Benzyl Alcohol	0.000		0	N.D. d	
93) 2,6-Dichlorophenol	0.000		0	N.D. d	
94) Caprolactam	0.000		0	N.D. d	
96) Biphenyl	0.000		0	N.D. d	
97) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D. d	
98) Atrazine	0.000		0	N.D. d	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297012.D
Acq On : 24 Oct 2025 3:04 pm
Operator : BGL
Sample : 8270std 80 ppm 25J0515 Inst : GCMSSV2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 04 13:52:28 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:51:17 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297013.D
Acq On : 24 Oct 2025 3:28 pm
Operator : BGL
Sample : 8270std 100 ppm 25J0516 Inst : GCMSSV2
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 04 13:57:01 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:54:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.702	152	54291	40.00	ug/ml	# 0.00
19) NAPHTHALENE-d8	5.504	136	226173	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	6.592	164	132560	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	7.515	188	205906	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.917	240	210996	40.00	ug/ml	0.00
80) PERYLENE-D12	12.360	264	229246	40.00	ug/ml	0.00
88) 1,4-Dichlorobenzene-D4...	0.000	152	0m	40.00	ug/ml	-4.70
92) NAPHTHALENE-d8 (2)	0.000	136	0m	40.00	ug/ml	-5.50
95) ACENAPHTHENE-D10 (2)	0.000	164	0m	40.00	ug/ml	-6.59
System Monitoring Compounds						
2) 2-Fluorophenol	3.841	112	333422	219.82	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 109.91%			
3) Phenol-d6	4.468	99	542786	217.03	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 108.52%			
20) Nitrobenzene-d5	5.054	82	241220	107.20	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 107.20%			
36) 2-Fluorobiphenyl	6.170	172	462716	105.73	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 105.73%			
37) 2,4,6-Tribromophenol	7.081	330	133473	226.72	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 113.36%			
72) p-Terphenyl-d14	8.691	244	452049	103.46	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 103.46%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.763	42	101246	104.73	ug/ml#	71
5) Pyridine	2.784	79	251473	109.31	ug/ml	94
6) Aniline	4.494	93	354270	106.97	ug/ml	98
7) Phenol	4.478	94	301473m	107.06	ug/ml	
8) Bis(2-chloroethyl)ether	4.535	63	148440	106.55	ug/ml	96
9) 2-Chlorophenol	4.568	128	238099	111.41	ug/ml	99
10) 1,3-Dichlorobenzene	4.666	146	241642	108.43	ug/ml	99
11) 1,4-Dichlorobenzene	4.715	146	247085	108.27	ug/ml	98
12) 1,2-Dichlorobenzene	4.810	146	237627	110.48	ug/ml	98
13) 2- METHYLPHENOL	4.861	108	214652	110.21	ug/ml	99
14) 2,2'-oxybis(1-chloropr...	4.874	45	239471	106.02	ug/ml	97
15) Acetophenone	4.959	105	297046	106.12	ug/ml	98
16) 3/4- METHYLPHENOL	4.959	107	469722	216.81	ug/ml	97
17) N-Nitroso-Di-N-Propyla...	4.962	70	152531	104.96	ug/ml	95
18) Hexachloroethane	5.023	117	96839	110.76	ug/ml	95
21) NITROBENZENE	5.067	77	242353	106.87	ug/ml	98
22) Isophorone	5.216	82	406085	106.77	ug/ml	99
23) 2-Nitrophenol	5.265	139	130060	116.32	ug/ml	96
24) 2,4-Dimethylphenol	5.286	122	198406	109.87	ug/ml	97
25) Bis(2-Chloroethoxy)met...	5.345	93	266948	107.02	ug/ml	99
26) Benzoic Acid	5.355	122	145062m	133.95	ug/ml	
27) 2,4-Dichlorophenol	5.414	162	196344	114.11	ug/ml	98
28) 1,2,4-Trichlorobenzene	5.468	180	203168	110.31	ug/ml	99
29) Naphthalene	5.517	128	656394	105.53	ug/ml	100
30) 4-Chloroaniline	5.548	127	290192	108.19	ug/ml	99
31) Hexachlorobutadiene	5.592	225	103709	111.95	ug/ml	100
32) 4-Chloro-3-Methylphenol	5.844	107	204181	113.80	ug/ml	99
33) 2-MethylNaphthalene	5.947	142	457688	108.37	ug/ml	99
34) 1-Methylnaphthalene	6.008	142	436968	109.94	ug/ml	98
38) Hexachlorocyclopentadiene	6.042	237	126200	119.70	ug/ml	99
39) 1,2,4,5-Tetrachloroben...	6.050	216	206647	111.94	ug/ml	99
40) 2,4,6-Trichlorophenol	6.119	196	141760	113.49	ug/ml	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297013.D
Acq On : 24 Oct 2025 3:28 pm
Operator : BGL
Sample : 8270std 100 ppm 25J0516 Inst : GCMSSV2
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 04 13:57:01 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:54:46 2025
Response via : Initial Calibration

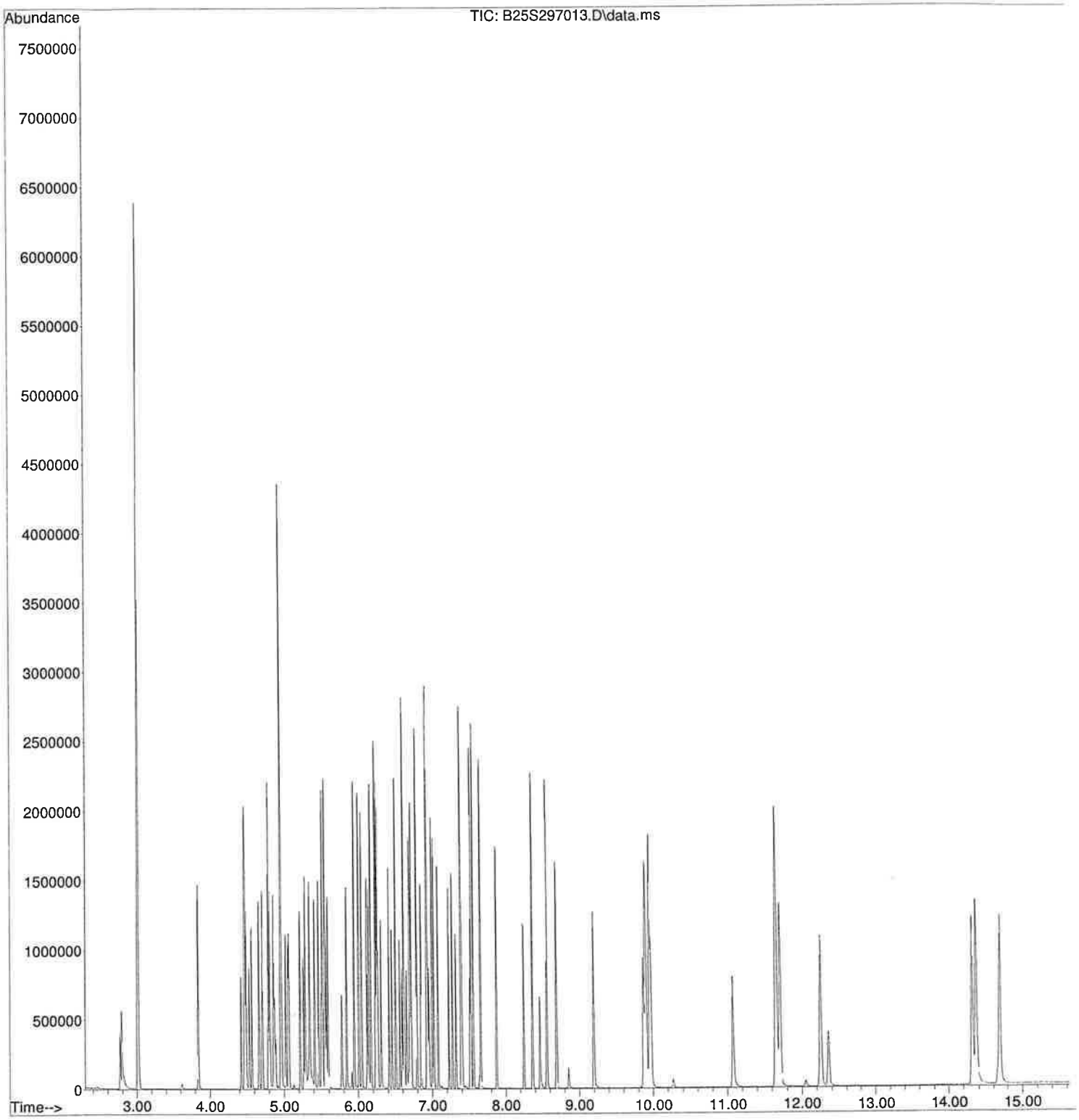
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 2,4,5-Trichlorophenol	6.142	196	149170	113.79 ug/ml	92
42) 2-ChloroNaphthalene	6.250	162	502934	106.64 ug/ml	97
43) 2-Nitroaniline	6.309	65	133391	110.41 ug/ml	98
44) 1,1-Biphenyl	6.232	154	526730	106.30 ug/ml	100
45) DIMETHYL PHTHALATE	6.415	163	437973	105.32 ug/ml	100
46) 2,6-DinitroToluene	6.456	165	108941	113.53 ug/ml	94
47) Acenaphthylene	6.507	152	684358	107.86 ug/ml	99
48) 3-Nitroaniline	6.561	138	128414	108.32 ug/ml	98
49) Acenaphthene	6.613	154	457705	107.58 ug/ml	99
50) 2,4-Dinitrophenol	6.626	184	66110	127.63 ug/ml#	93
51) 4-Nitrophenol	6.656	109	59374	115.77 ug/ml	92
52) Dibenzofuran	6.721	168	586002	104.31 ug/ml	97
53) 2,4-Dinitrotoluene	6.705	165	142653	110.13 ug/ml	98
54) DIETHYL PHTHALATE	6.852	149	403426	102.25 ug/ml	98
55) 4-Chlorophenyl phenyl ...	6.926	204	212362	107.10 ug/ml	96
56) Flourene	6.932	166	491739	105.26 ug/ml	99
57) 4-Nitroaniline	6.944	138	145317	111.04 ug/ml	88
59) 4,6-Dinitro-2-Methylph...	6.960	198	90479	105.15 ug/ml	94
60) N-Nitrosodiphenylamine	6.998	169	328353	92.35 ug/ml	99
61) 1,2-Diphenylhydrazine	7.024	77	442800	103.63 ug/ml	96
62) 4-Bromophenyl phenyl e...	7.230	248	124665	112.88 ug/ml	93
63) Hexachlorobenzene	7.276	284	139885	114.19 ug/ml	95
64) Pentachlorophenol	7.394	266	100766	122.13 ug/ml	99
65) Pentachloronitrobenzene	7.402	295	24963	116.74 ug/ml	93
66) Phenanthrene	7.531	178	659121	102.47 ug/ml	99
67) Anthracene	7.562	178	683674	106.27 ug/ml	99
68) Carbazole	7.659	167	662117	110.78 ug/ml	99
69) Di-N-Butyl Phthalate	7.873	149	639547	109.54 ug/ml	99
70) Flouranthene	8.367	202	734570	115.54 ug/ml	100
73) Benzidine	8.467	184	228409	87.65 ug/ml	94
74) Pyrene	8.565	202	784523	101.38 ug/ml	99
75) Butylbenzyl phthalate	9.197	149	307900	108.98 ug/ml	91
76) 3,3'-Dichlorobenzidine	9.871	252	257245	116.13 ug/ml	97
77) Benzo(a)anthracene	9.902	228	788930	110.83 ug/ml	96
78) Chrysene	9.956	228	758720	107.80 ug/ml	97
79) Bis(2-ethylhexyl)phtha...	9.976	149	374367	115.65 ug/ml	99
81) Di-n-octylphthalate	11.074	149	637981	113.49 ug/ml	96
82) Benzo(b)fluoranthene	11.663	252	836572	118.97 ug/ml	95
83) Benzo(k)fluoranthene	11.712	252	824203	118.07 ug/ml	97
84) Benzo(a)pyrene	12.260	252	782461	120.05 ug/ml	95
85) Indeno(1,2,3-cd)pyrene	14.320	276	701304	120.90 ug/ml	93
86) Dibenz(a,h)anthracene	14.371	278	738296	121.09 ug/ml	95
87) Benzo(g,h,i)perylene	14.698	276	757074	117.60 ug/ml	91
89) 1,4-Dioxane	0.000		0	N.D. d	
90) Benzaldehyde	0.000		0	N.D. d	
91) Benzyl Alcohol	0.000		0	N.D. d	
93) 2,6-Dichlorophenol	0.000		0	N.D. d	
94) Caprolactam	0.000		0	N.D. d	
96) Biphenyl	0.000		0	N.D. d	
97) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D. d	
98) Atrazine	0.000		0	N.D. d	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297013.D
Acq On : 24 Oct 2025 3:28 pm
Operator : BGL
Sample : 8270std 100 ppm 25J0516 Inst : GCMSSV2
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 04 13:57:01 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:54:46 2025
Response via : Initial Calibration

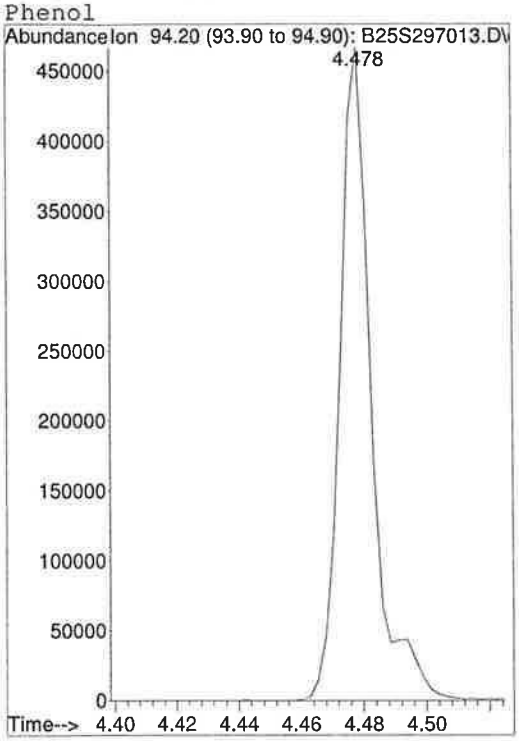


Manual Integration Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297013.D
Acq On : 24 Oct 2025 3:28 pm
Operator : BGL
Sample : 8270std 100 ppm 25J0516
Misc :

Quant Time : Tue Nov 04 14:08:46 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Tue Nov 04 13:54:46 2025

Original Integration
Phenol



Original Int. Results

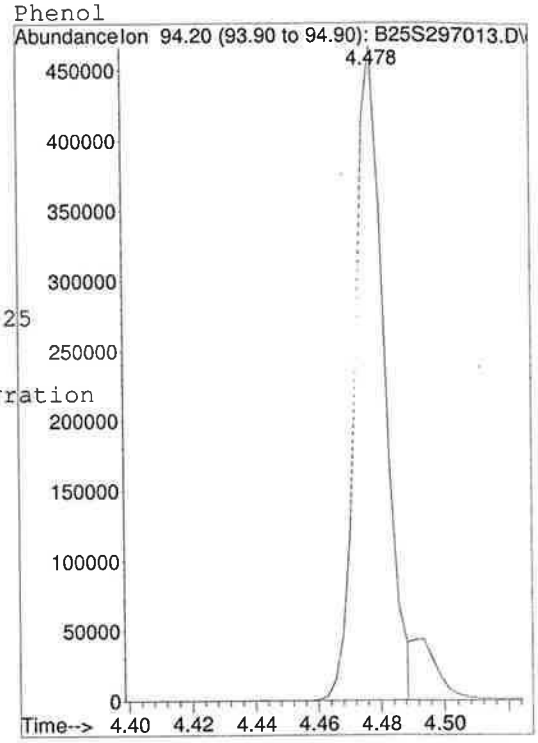
RT : 4.48
Area : 325059
Amount: 115.435

Manual Int. Results

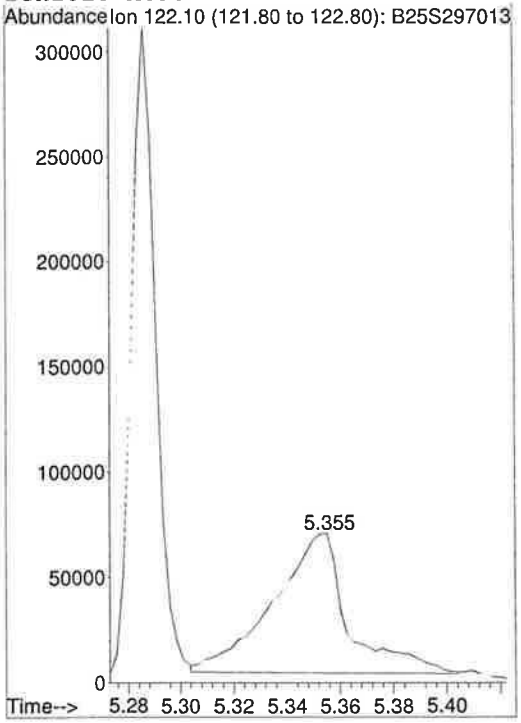
Tue Nov 04 14:06:34 2025

MIuser: bgl
Reason: Incorret Integration
RT : 4.48
Area : 301473
Amount: 107.059

Manual Integration
Phenol



Original Integration
Benzoic Acid



Original Int. Results

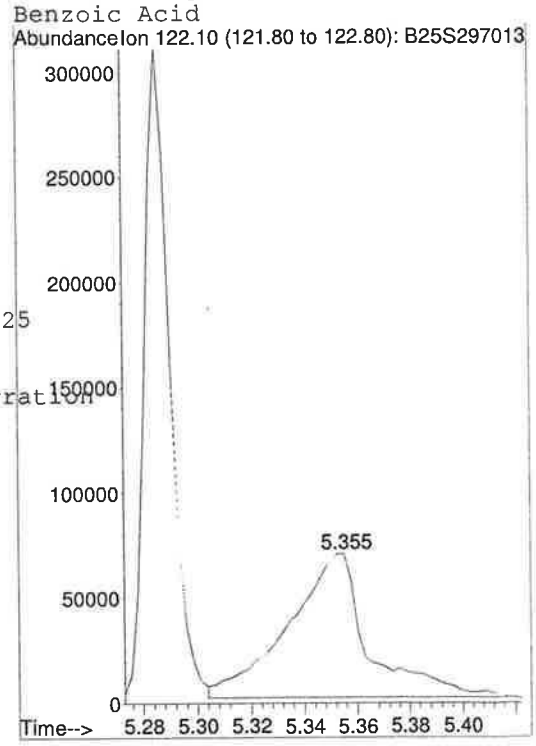
RT : 5.36
Area : 130621
Amount: 120.614

Manual Int. Results

Tue Nov 04 13:57:59 2025

MIuser: bgl
Reason: Incorret Integration
RT : 5.36
Area : 145062
Amount: 133.948

Manual Integration
Benzoic Acid



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297014.D
Acq On : 24 Oct 2025 3:53 pm
Operator : BGL
Sample : 8270std 120ppm 25J0517 Inst : GCMSSV2
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 04 14:12:22 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 14:09:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.702	152	52447	40.00	ug/ml	# 0.00
19) NAPHTHALENE-d8	5.504	136	224851	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	6.592	164	133676	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	7.515	188	216468	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.920	240	222361	40.00	ug/ml	0.00
80) PERYLENE-D12	12.363	264	226415	40.00	ug/ml	0.00
88) 1,4-Dichlorobenzene-D4...	0.000	152	0m	40.00	ug/ml	-4.70
92) NAPHTHALENE-d8 (2)	0.000	136	0m	40.00	ug/ml	-5.50
95) ACENAPHTHENE-D10 (2)	0.000	164	0m	40.00	ug/ml	-6.59
System Monitoring Compounds						
2) 2-Fluorophenol	3.843	112	386495	263.76	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 131.88%#			
3) Phenol-d6	4.471	99	624334	258.41	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 129.21%			
20) Nitrobenzene-d5	5.057	82	278380	124.41	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 124.41%			
36) 2-Fluorobiphenyl	6.170	172	534208	121.05	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 121.05%			
37) 2,4,6-Tribromophenol	7.083	330	163606	275.58	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 137.79%#			
72) p-Terphenyl-d14	8.693	244	563747	122.43	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 122.43%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.766	42	116489	124.73	ug/ml#	70
5) Pyridine	2.786	79	289764	130.20	ug/ml	93
6) Aniline	4.494	93	406828	127.15	ug/ml#	97
7) Phenol	4.478	94	355647m	133.32	ug/ml	
8) Bis(2-chloroethyl)ether	4.538	63	169892	126.24	ug/ml	96
9) 2-Chlorophenol	4.571	128	278008	134.66	ug/ml	99
10) 1,3-Dichlorobenzene	4.669	146	277368	128.84	ug/ml	99
11) 1,4-Dichlorobenzene	4.715	146	284672	129.13	ug/ml	98
12) 1,2-Dichlorobenzene	4.813	146	272020	130.91	ug/ml	98
13) 2- METHYLPHENOL	4.862	108	251677	133.76	ug/ml	99
14) 2,2'-oxybis(1-chloropr...	4.874	45	271574m	124.46	ug/ml	
15) Acetophenone	4.959	105	336235	124.34	ug/ml	98
16) 3/4- METHYLPHENOL	4.959	107	535994	256.09	ug/ml	97
17) N-Nitroso-Di-N-Propyla...	4.964	70	172148	122.62	ug/ml	95
18) Hexachloroethane	5.024	117	111121	131.57	ug/ml	94
21) NITROBENZENE	5.067	77	279735	124.08	ug/ml	99
22) Isophorone	5.216	82	472003	124.83	ug/ml	99
23) 2-Nitrophenol	5.265	139	150879	135.74	ug/ml	96
24) 2,4-Dimethylphenol	5.286	122	233252	129.89	ug/ml	95
25) Bis(2-Chloroethoxy)met...	5.345	93	303411	122.36	ug/ml	98
26) Benzoic Acid	5.358	122	176282m	159.85	ug/ml	
27) 2,4-Dichlorophenol	5.414	162	228035	133.30	ug/ml	98
28) 1,2,4-Trichlorobenzene	5.468	180	234588	128.12	ug/ml	99
29) Naphthalene	5.517	128	758954	122.74	ug/ml	99
30) 4-Chloroaniline	5.548	127	326015	122.25	ug/ml	99
31) Hexachlorobutadiene	5.592	225	122740	133.27	ug/ml	100
32) 4-Chloro-3-Methylphenol	5.844	107	234288	131.32	ug/ml	99
33) 2-MethylNaphthalene	5.947	142	527819	125.71	ug/ml	99
34) 1-Methylnaphthalene	6.008	142	504181	127.60	ug/ml	98
38) Hexachlorocyclopentadiene	6.042	237	149410	140.53	ug/ml	100
39) 1,2,4,5-Tetrachloroben...	6.050	216	237528	127.59	ug/ml	98
40) 2,4,6-Trichlorophenol	6.119	196	168676	133.91	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297014.D
Acq On : 24 Oct 2025 3:53 pm
Operator : BGL
Sample : 8270std 120ppm 25J0517 Inst : GCMSSV2
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 04 14:12:22 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 14:09:04 2025
Response via : Initial Calibration

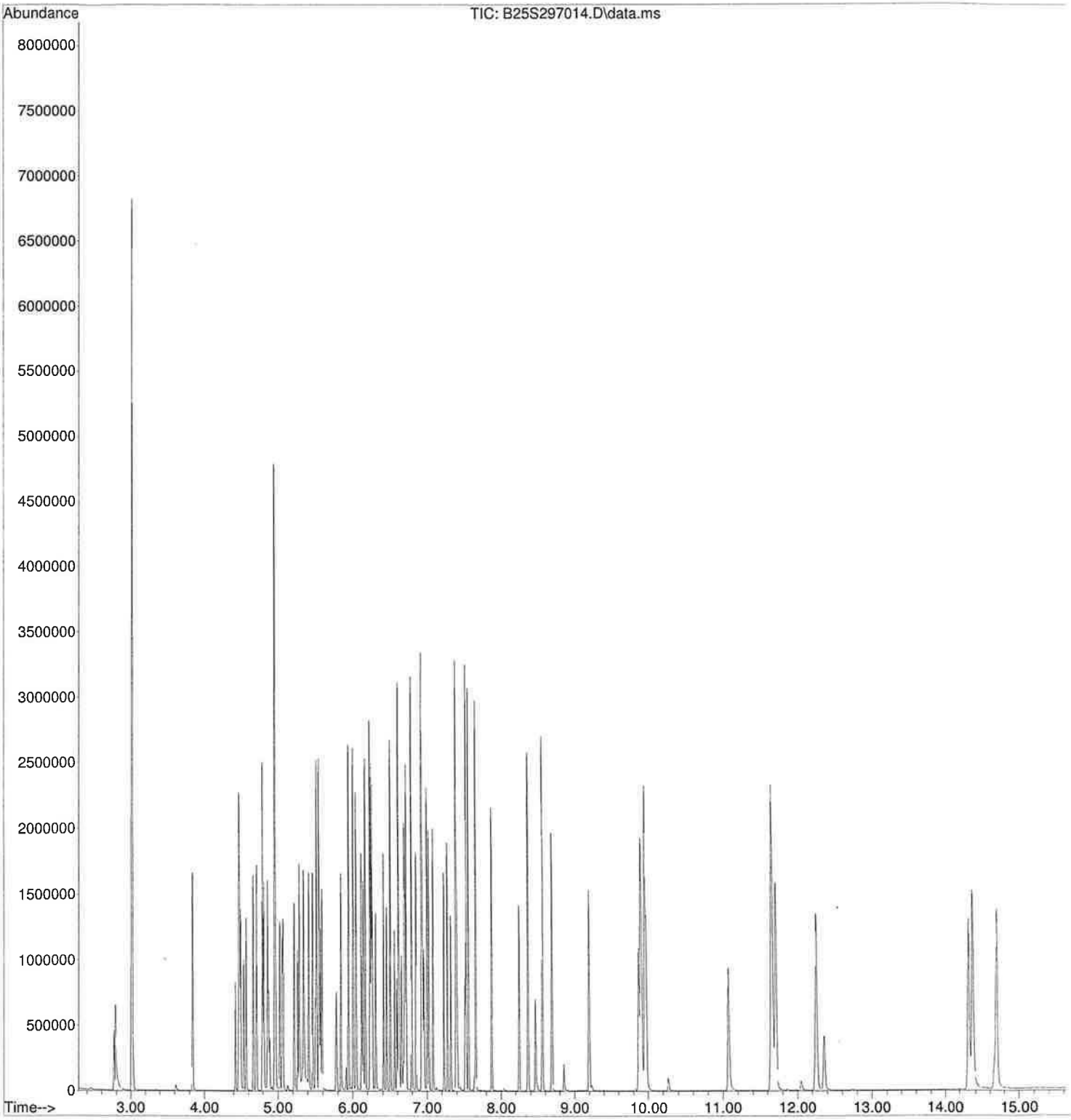
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 2,4,5-Trichlorophenol	6.142	196	174531	132.02 ug/ml	92
42) 2-ChloroNaphthalene	6.250	162	581853	122.35 ug/ml	99
43) 2-Nitroaniline	6.309	65	155745	127.84 ug/ml	97
44) 1,1-Biphenyl	6.235	154	609129	121.91 ug/ml	99
45) DIMETHYL PHTHALATE	6.415	163	521413	124.34 ug/ml	100
46) 2,6-DinitroToluene	6.456	165	130165	134.51 ug/ml	94
47) Acenaphthylene	6.507	152	790152	123.49 ug/ml	98
48) 3-Nitroaniline	6.561	138	151823	126.99 ug/ml	97
49) Acenaphthene	6.613	154	531298	123.84 ug/ml	99
50) 2,4-Dinitrophenol	6.626	184	87694	167.88 ug/ml#	91
51) 4-Nitrophenol	6.657	109	72573	140.33 ug/ml	95
52) Dibenzofuran	6.721	168	678372	119.74 ug/ml	97
53) 2,4-Dinitrotoluene	6.705	165	176665	135.25 ug/ml	95
54) DIETHYL PHTHALATE	6.852	149	486508	122.28 ug/ml	98
55) 4-Chlorophenyl phenyl ...	6.927	204	251223	125.64 ug/ml	96
56) Flourene	6.934	166	580149	123.14 ug/ml	98
57) 4-Nitroaniline	6.945	138	175195	132.75 ug/ml	88
59) 4,6-Dinitro-2-Methylph...	6.960	198	114059	124.86 ug/ml	95
60) N-Nitrosodiphenylamine	6.999	169	396030	105.95 ug/ml	99
61) 1,2-Diphenylhydrazine	7.024	77	520248	115.81 ug/ml	96
62) 4-Bromophenyl phenyl e...	7.230	248	150559	129.68 ug/ml	95
63) Hexachlorobenzene	7.276	284	170718	132.55 ug/ml	95
64) Pentachlorophenol	7.395	266	125293	144.45 ug/ml	98
65) Pentachloronitrobenzene	7.405	295	31505	140.15 ug/ml	92
66) Phenanthrene	7.531	178	806648	119.29 ug/ml	99
67) Anthracene	7.564	178	836182	123.63 ug/ml	99
68) Carbazole	7.659	167	809463	128.83 ug/ml	99
69) Di-N-Butyl Phthalate	7.875	149	788111	128.40 ug/ml	99
70) Flouranthene	8.369	202	902349	135.01 ug/ml	99
73) Benzidine	8.467	184	239114	87.07 ug/ml	94
74) Pyrene	8.565	202	959044	117.60 ug/ml	99
75) Butylbenzyl phthalate	9.200	149	382731	128.55 ug/ml	91
76) 3,3'-Dichlorobenzidine	9.874	252	293108	125.55 ug/ml	99
77) Benzo(a)anthracene	9.904	228	948650	126.46 ug/ml	96
78) Chrysene	9.958	228	920131	124.06 ug/ml	98
79) Bis(2-ethylhexyl)phtha...	9.976	149	464786	136.24 ug/ml	99
81) Di-n-octylphthalate	11.077	149	780035	140.50 ug/ml	96
82) Benzo(b)fluoranthene	11.666	252	976143	140.55 ug/ml	95
83) Benzo(k)fluoranthene	11.717	252	954750	138.48 ug/ml	96
84) Benzo(a)pyrene	12.263	252	908195	141.08 ug/ml	95
85) Indeno(1,2,3-cd)pyrene	14.322	276	801819	139.96 ug/ml	94
86) Dibenz(a,h)anthracene	14.371	278	840810	139.63 ug/ml	96
87) Benzo(g,h,i)perylene	14.700	276	860846	135.39 ug/ml	91
89) 1,4-Dioxane	0.000		0	N.D. d	
90) Benzaldehyde	0.000		0	N.D. d	
91) Benzyl Alcohol	0.000		0	N.D. d	
93) 2,6-Dichlorophenol	0.000		0	N.D. d	
94) Caprolactam	0.000		0	N.D. d	
96) Biphenyl	0.000		0	N.D. d	
97) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D. d	
98) Atrazine	0.000		0	N.D. d	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297014.D
Acq On : 24 Oct 2025 3:53 pm
Operator : BGL
Sample : 8270std 120ppm 25J0517 Inst : GCMSSV2
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 04 14:12:22 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 14:09:04 2025
Response via : Initial Calibration

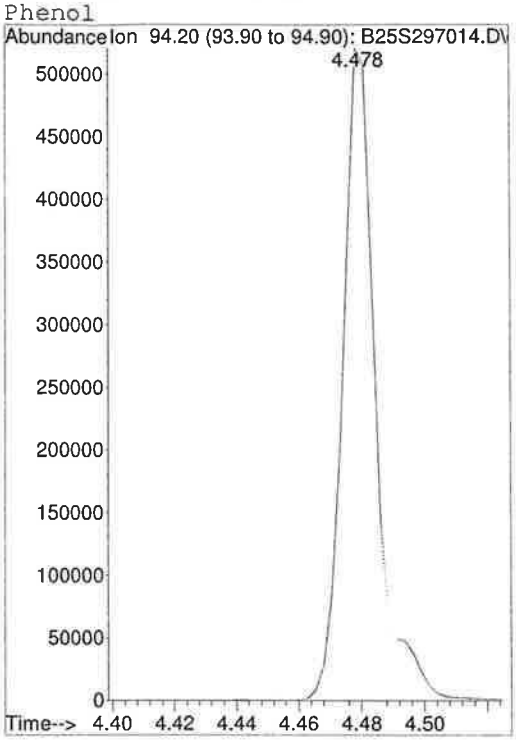


Manual Integration Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297014.D
Acq On : 24 Oct 2025 3:53 pm
Operator : BGL
Sample : 8270std 120ppm 25J0517
Misc :

Quant Time : Tue Nov 04 14:13:57 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Tue Nov 04 14:09:04 2025

Original Integration
Phenol



Original Int. Results

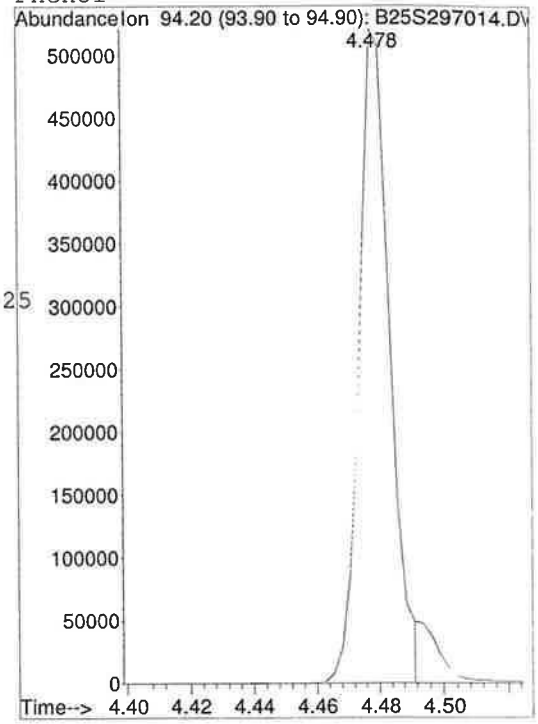
RT : 4.48
Area : 376547
Amount: 141.15

Manual Int. Results

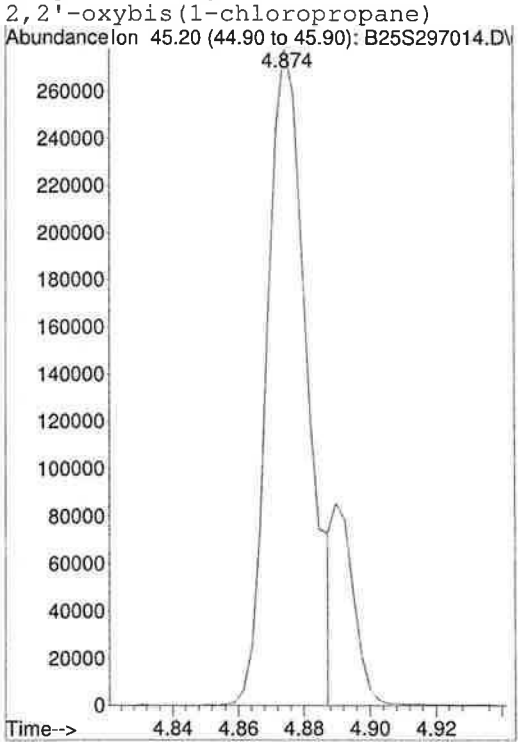
Tue Nov 04 14:12:34 2025

MIuser: bgl
Reason: Other
RT : 4.48
Area : 355647
Amount: 133.316

Manual Integration
Phenol



Original Integration
2,2'-oxybis(1-chloropropane)



Original Int. Results

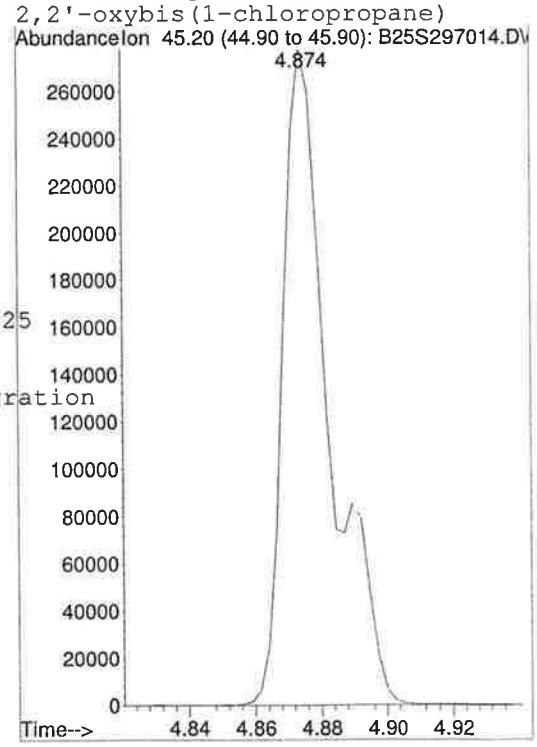
RT : 4.87
Area : 234177
Amount: 107.324

Manual Int. Results

Tue Nov 04 14:12:45 2025

MIuser: bgl
Reason: Incorret Integration
RT : 4.87
Area : 271574
Amount: 124.463

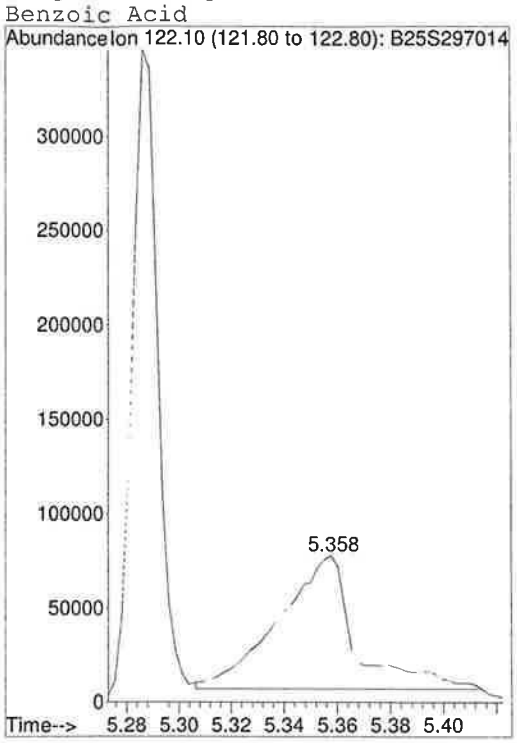
Manual Integration
2,2'-oxybis(1-chloropropane)



Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297014.D
Acq On : 24 Oct 2025 3:53 pm
Operator : BGL
Sample : 8270std 120ppm 25J0517
Misc :

Quant Time : Tue Nov 04 14:13:57 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Tue Nov 04 14:09:04 2025

Original Integration
Benzoic Acid



Original Int. Results

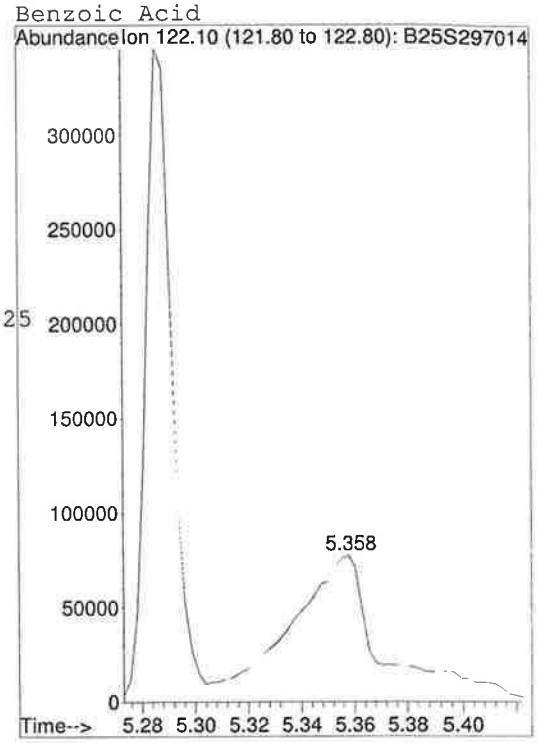
RT : 5.36
Area : 143292
Amount: 129.935

Manual Int. Results

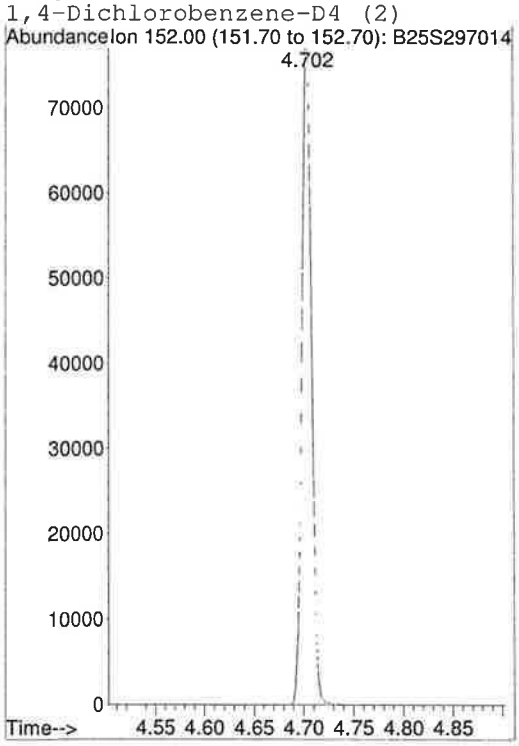
Tue Nov 04 14:13:05 2025

MIuser: bgl
Reason: Other
RT : 5.36
Area : 176282
Amount: 159.85

Manual Integration
Benzoic Acid



Original Integration
1,4-Dichlorobenzene-D4 (2)



Original Int. Results

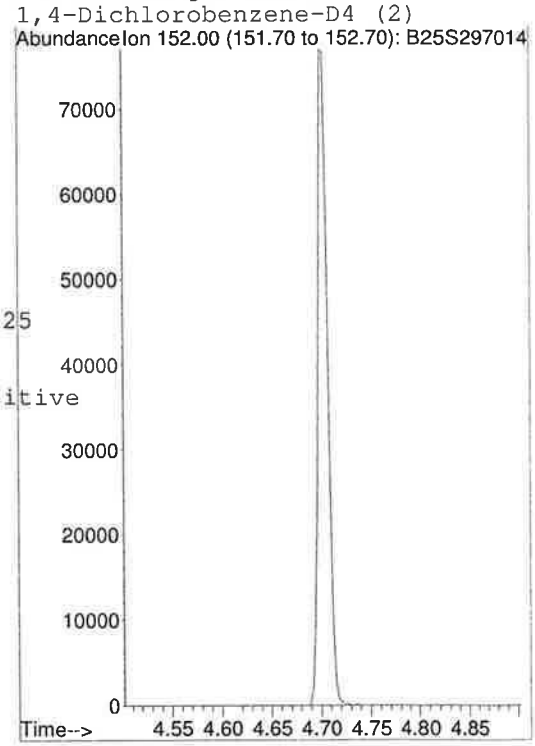
RT : 4.70
Area : 52447
Amount: 40

Manual Int. Results

Tue Nov 04 14:13:57 2025

MIuser: bgl
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

Manual Integration
1,4-Dichlorobenzene-D4 (2)



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297015.D
Acq On : 24 Oct 2025 4:17 pm
Operator : BGL
Sample : 8270std 160ppm 25J0509 Inst : GCMSSV2
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 04 14:15:38 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 14:14:05 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.705	152	50023	40.00	ug/ml	# 0.00
19) NAPHTHALENE-d8	5.504	136	207836	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	6.595	164	115480	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	7.515	188	184574	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.920	240	192426	40.00	ug/ml	0.00
80) PERYLENE-D12	12.365	264	197909	40.00	ug/ml	0.00
88) 1,4-Dichlorobenzene-D4...	4.705	152	50023	40.00	ug/ml	# 0.00
92) NAPHTHALENE-d8 (2)	5.504	136	207836	40.00	ug/ml	0.00
95) ACENAPHTHENE-D10 (2)	6.595	164	115131	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	3.843	112	492349	352.29	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery	= 176.15%#		
3) Phenol-d6	4.473	99	782097	339.39	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery	= 169.69%#		
20) Nitrobenzene-d5	5.057	82	357550	172.87	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery	= 172.87%#		
36) 2-Fluorobiphenyl	6.170	172	672067	176.29	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery	= 176.29%#		
37) 2,4,6-Tribromophenol	7.083	330	204260	398.27	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery	= 199.13%#		
72) p-Terphenyl-d14	8.693	244	704837	176.88	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery	= 176.88%#		
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.766	42	149684	168.04	ug/ml#	72
5) Pyridine	2.784	79	376823	177.15	ug/ml	93
6) Aniline	4.494	93	495876	162.49	ug/ml#	99
7) Phenol	4.481	94	469772	186.15	ug/ml	96
8) Bis(2-chloroethyl)ether	4.537	63	214150	166.84	ug/ml	99
9) 2-Chlorophenol	4.571	128	352885	179.21	ug/ml	99
10) 1,3-Dichlorobenzene	4.669	146	357632	174.17	ug/ml	99
11) 1,4-Dichlorobenzene	4.715	146	366897	174.49	ug/ml	99
12) 1,2-Dichlorobenzene	4.813	146	348849	176.02	ug/ml	99
13) 2- METHYLPHENOL	4.862	108	315924	176.04	ug/ml	99
14) 2,2'-oxybis(1-chloropr...	4.874	45	338207	162.53	ug/ml	97
15) Acetophenone	4.962	105	412053	159.76	ug/ml	98
16) 3/4- METHYLPHENOL	4.962	107	652640	326.93	ug/ml	97
17) N-Nitroso-Di-N-Propyla...	4.967	70	213437	159.40	ug/ml	95
18) Hexachloroethane	5.026	117	143119	177.67	ug/ml	94
21) NITROBENZENE	5.070	77	352212	169.02	ug/ml	99
22) Isophorone	5.219	82	589643	168.71	ug/ml	99
23) 2-Nitrophenol	5.265	139	193221	188.06	ug/ml	96
24) 2,4-Dimethylphenol	5.288	122	288987	174.10	ug/ml	96
25) Bis(2-Chloroethoxy)met...	5.348	93	379887	165.74	ug/ml	98
26) Benzoic Acid	5.407	122	6454	5.97	ug/ml	98
27) 2,4-Dichlorophenol	5.417	162	289328	182.98	ug/ml	98
28) 1,2,4-Trichlorobenzene	5.468	180	299862	177.18	ug/ml	99
29) Naphthalene	5.517	128	949419	166.11	ug/ml	99
30) 4-Chloroaniline	5.551	127	373285	151.44	ug/ml	99
31) Hexachlorobutadiene	5.592	225	156931	184.35	ug/ml	99
32) 4-Chloro-3-Methylphenol	5.846	107	290325	176.04	ug/ml	98
33) 2-MethylNaphthalene	5.947	142	657636	169.44	ug/ml	99
34) 1-Methylnaphthalene	6.008	142	628444	172.07	ug/ml	99
38) Hexachlorocyclopentadiene	6.044	237	191882	208.92	ug/ml	99
39) 1,2,4,5-Tetrachloroben...	6.052	216	304334	189.24	ug/ml	99
40) 2,4,6-Trichlorophenol	6.119	196	209492	192.51	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297015.D
Acq On : 24 Oct 2025 4:17 pm
Operator : BGL
Sample : 8270std 160ppm 25J0509 Inst : GCMSSV2
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 04 14:15:38 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 14:14:05 2025
Response via : Initial Calibration

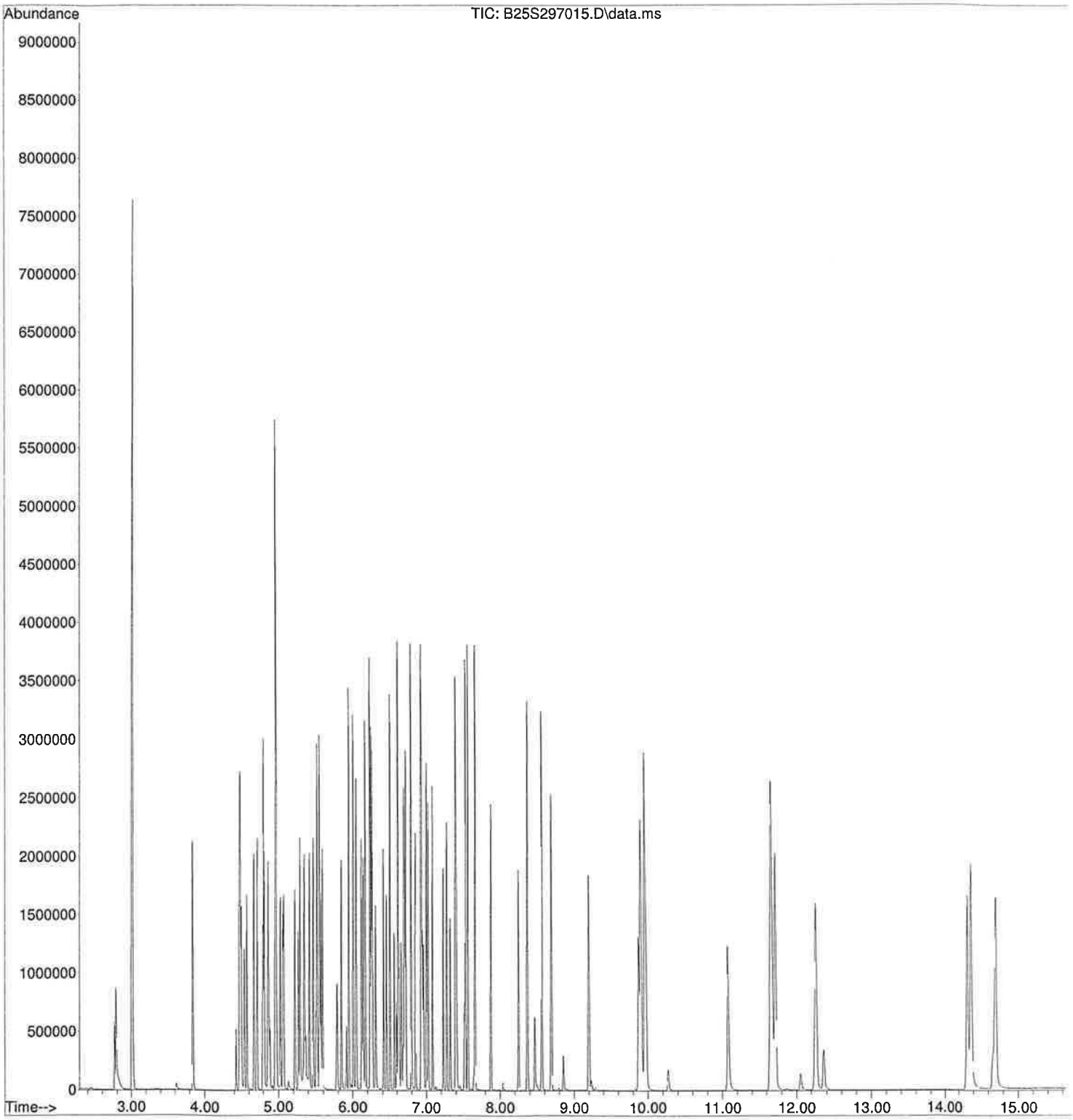
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 2,4,5-Trichlorophenol	6.145	196	217826	190.77 ug/ml	91
42) 2-ChloroNaphthalene	6.250	162	695527	169.29 ug/ml	99
43) 2-Nitroaniline	6.309	65	191847	182.29 ug/ml	97
44) 1,1-Biphenyl	6.235	154	759583	175.97 ug/ml	99
45) DIMETHYL PHTHALATE	6.417	163	629853	173.87 ug/ml	99
46) 2,6-DinitroToluene	6.458	165	159410	190.69 ug/ml	94
47) Acenaphthylene	6.507	152	963735	174.36 ug/ml	97
48) 3-Nitroaniline	6.564	138	174147	168.62 ug/ml	97
49) Acenaphthene	6.615	154	651251	175.71 ug/ml	99
50) 2,4-Dinitrophenol	6.628	184	111006	245.99 ug/ml#	88
51) 4-Nitrophenol	6.659	109	88523	198.14 ug/ml	95
52) Dibenzofuran	6.721	168	836900	171.00 ug/ml	97
53) 2,4-Dinitrotoluene	6.708	165	217269	192.54 ug/ml	94
54) DIETHYL PHTHALATE	6.852	149	585930	170.47 ug/ml	98
55) 4-Chlorophenyl phenyl ...	6.926	204	305749	177.01 ug/ml	96
56) Flourene	6.934	166	706587	173.62 ug/ml	98
57) 4-Nitroaniline	6.947	138	211462	185.48 ug/ml	93
59) 4,6-Dinitro-2-Methylph...	6.962	198	144533	182.58 ug/ml	95
60) N-Nitrosodiphenylamine	7.001	169	479994	150.60 ug/ml	98
61) 1,2-Diphenylhydrazine	7.027	77	625306	163.25 ug/ml	95
62) 4-Bromophenyl phenyl e...	7.230	248	182997	184.85 ug/ml	94
63) Hexachlorobenzene	7.276	284	209647	190.91 ug/ml	95
64) Pentachlorophenol	7.394	266	157019	212.31 ug/ml	99
65) Pentachloronitrobenzene	7.405	295	39384	205.47 ug/ml	90
66) Phenanthrene	7.531	178	983754	170.62 ug/ml	99
67) Anthracene	7.564	178	1015740	176.13 ug/ml	98
68) Carbazole	7.662	167	996037	185.91 ug/ml	99
69) Di-N-Butyl Phthalate	7.875	149	936129	178.86 ug/ml	99
70) Flouranthene	8.372	202	1116935	195.99 ug/ml	99
73) Benzidine	8.469	184	222783	93.74 ug/ml	94
74) Pyrene	8.567	202	1182082	167.49 ug/ml	98
75) Butylbenzyl phthalate	9.202	149	474143	184.02 ug/ml	92
76) 3,3'-Dichlorobenzidine	9.879	252	346030	171.28 ug/ml	98
77) Benzo(a)anthracene	9.909	228	1201167	185.03 ug/ml	96
78) Chrysene	9.961	228	1168186	182.00 ug/ml	97
79) Bis(2-ethylhexyl)phtha...	9.976	149	561229	190.10 ug/ml	99
81) Di-n-octylphthalate	11.080	149	966681	199.20 ug/ml	97
82) Benzo(b)fluoranthene	11.668	252	1267723	208.83 ug/ml	95
83) Benzo(k)fluoranthene	11.722	252	1210937	200.94 ug/ml	96
84) Benzo(a)pyrene	12.270	252	1171853	208.26 ug/ml	95
85) Indeno(1,2,3-cd)pyrene	14.327	276	1037363	207.15 ug/ml	94
86) Dibenz(a,h)anthracene	14.376	278	1080393	205.26 ug/ml	95
87) Benzo(g,h,i)perylene	14.708	276	1088925	195.93 ug/ml	91
89) 1,4-Dioxane	2.385	88	66	N.D.	
90) Benzaldehyde	4.424	106	79467	49.69 ug/ml	98
91) Benzyl Alcohol	4.795	108	407819	304.46 ug/ml	98
93) 2,6-Dichlorophenol	5.556	162	283163	171.94 ug/ml	94
94) Caprolactam	5.787	113	112936	181.46 ug/ml	99
96) Biphenyl	6.235	154	759583	163.87 ug/ml	99
97) 2,3,4,6-Tetrachlorophenol	6.795	230	272008	333.46 ug/ml	95
98) Atrazine	7.325	200	111871	128.75 ug/ml	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297015.D
Acq On : 24 Oct 2025 4:17 pm
Operator : BGL
Sample : 8270std 160ppm 25J0509 Inst : GCMSSV2
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 04 14:15:38 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 14:14:05 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297016.D
Acq On : 24 Oct 2025 4:42 pm
Operator : BGL
Sample : 8270ICV 50ppm 25J0521 Inst : GCMSSV2
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 18 16:01:12 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 17 11:48:07 2025
Response via : Initial Calibration

Reviewed By: Christian Merchant NOV 19 2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.702	152	73425	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	5.502	136	283019	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	6.592	164	154952	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	7.513	188	255270	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.912	240	241240	40.00	ug/ml	0.00
80) PERYLENE-D12	12.355	264	264313	40.00	ug/ml	0.00
88) 1,4-Dichlorobenzene-D4...	4.702	152	73425	40.00	ug/ml	0.00
92) NAPHTHALENE-d8 (2)	5.502	136	283019	40.00	ug/ml	0.00
95) ACENAPHTHENE-D10 (2)	6.592	164	154952	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	0.000	112	0	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
3) Phenol-d6	4.465	99	26	0.01	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.01%#		
20) Nitrobenzene-d5	5.044	82	25	0.01	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.01%#		
36) 2-Fluorobiphenyl	6.145	172	55	0.01	ug/ml	-0.02
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.01%#		
37) 2,4,6-Tribromophenol	0.000	330	0	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
72) p-Terphenyl-d14	8.691	244	250	0.05	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.05%#		
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.773	42	52688	40.30	ug/ml#	73
5) Pyridine	2.797	79	136808	43.82	ug/ml	91
6) Aniline	4.494	93	126621	28.27	ug/ml#	99
7) Phenol	4.473	94	151163m	40.81	ug/ml	
8) Bis(2-chloroethyl)ether	4.535	63	79899	42.41	ug/ml	94
9) 2-Chlorophenol	4.571	128	120468	41.68	ug/ml	99
10) 1,3-Dichlorobenzene	4.666	146	128229	42.54	ug/ml	99
11) 1,4-Dichlorobenzene	4.715	146	131425	42.58	ug/ml	99
12) 1,2-Dichlorobenzene	4.810	146	123621	42.50	ug/ml	99
13) 2- METHYLPHENOL	4.859	108	109580	41.60	ug/ml	92
14) 2,2'-oxybis(1-chloropr...	4.874	45	141036	46.17	ug/ml#	68
15) Acetophenone	4.957	105	155166	40.99	ug/ml#	82
16) 3/4- METHYLPHENOL	4.954	107	124387	42.45	ug/ml#	76
17) N-Nitroso-Di-N-Propyla...	4.957	70	78446	39.91	ug/ml	94
18) Hexachloroethane	5.024	117	52338	44.26	ug/ml	95
21) NITROBENZENE	5.065	77	118937	41.91	ug/ml	98
22) Isophorone	5.211	82	214253	45.02	ug/ml	99
23) 2-Nitrophenol	5.263	139	62210	44.46	ug/ml	97
24) 2,4-Dimethylphenol	5.283	122	97699	43.22	ug/ml	96
25) Bis(2-Chloroethoxy)met...	5.342	93	128996	41.33	ug/ml	99
26) Benzoic Acid	5.337	122	65244	46.69	ug/ml	97
27) 2,4-Dichlorophenol	5.412	162	92133	42.79	ug/ml	99
28) 1,2,4-Trichlorobenzene	5.466	180	101071	43.86	ug/ml	98
29) Naphthalene	5.515	128	327172	42.04	ug/ml	100
30) 4-Chloroaniline	5.546	127	101267	30.17	ug/ml	99
31) Hexachlorobutadiene	5.592	225	53283	45.96	ug/ml	98

56% V-34

60% V-34

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297016.D
Acq On : 24 Oct 2025 4:42 pm
Operator : BGL
Sample : 8270ICV 50ppm 25J0521 Inst : GCMSSV2
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 18 16:01:12 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 17 11:48:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) 4-Chloro-3-Methylphenol	5.841	107	90791	40.43	ug/ml	98
33) 2-MethylNaphthalene	5.944	142	202118	38.24	ug/ml	98
34) 1-Methylnaphthalene	6.006	142	207942	41.81	ug/ml	98
38) Hexachlorocyclopentadiene	6.042	237	60279	48.91	ug/ml	98
39) 1,2,4,5-Tetrachloroben...	6.050	216	97104	45.00	ug/ml	99
40) 2,4,6-Trichlorophenol	6.116	196	64255	44.01	ug/ml	98
41) 2,4,5-Trichlorophenol	6.140	196	69635	45.45	ug/ml	93
42) 2-ChloroNaphthalene	6.248	162	212848	38.61	ug/ml	99
43) 2-Nitroaniline	6.307	65	72346	51.23	ug/ml	85
44) 1,1-Biphenyl	6.232	154	260297	44.94	ug/ml	99
45) DIMETHYL PHTHALATE	6.415	163	205228	42.22	ug/ml	100
46) 2,6-DinitroToluene	6.453	165	51285	45.72	ug/ml	93
47) Acenaphthylene	6.505	152	322327	43.46	ug/ml	99
48) 3-Nitroaniline	6.559	138	53433	38.56	ug/ml	99
49) Acenaphthene	6.613	154	202815	40.78	ug/ml	98
50) 2,4-Dinitrophenol	6.623	184	30138	49.77	ug/ml#	32
51) 4-Nitrophenol	6.651	109	27612	46.06	ug/ml	93
52) Dibenzofuran	6.718	168	273782	41.69	ug/ml	97
53) 2,4-Dinitrotoluene	6.703	165	67723	44.73	ug/ml	98
54) DIETHYL PHTHALATE	6.847	149	190289	41.26	ug/ml	98
55) 4-Chlorophenyl phenyl ...	6.924	204	97157	41.92	ug/ml	96
56) Flourene	6.932	166	229910	42.10	ug/ml	99
57) 4-Nitroaniline	6.937	138	66510	43.48	ug/ml	92
59) 4,6-Dinitro-2-Methylph...	6.955	198	41259	43.49	ug/ml	94
60) N-Nitrosodiphenylamine	6.996	169	185609	42.11	ug/ml	99
61) 1,2-Diphenylhydrazine	7.024	77	220416	41.61	ug/ml	96
62) 4-Bromophenyl phenyl e...	7.227	248	57043	41.66	ug/ml	97
63) Hexachlorobenzene	7.274	284	66876	44.03	ug/ml	98
64) Pentachlorophenol	7.392	266	46024	45.00	ug/ml	98
65) Pentachloronitrobenzene	7.402	295	11733	44.26	ug/ml	96
66) Phenanthrene	7.528	178	323041	40.51	ug/ml	100
67) Anthracene	7.559	178	330746	41.47	ug/ml	100
68) Carbazole	7.657	167	324289	43.77	ug/ml	99
69) Di-N-Butyl Phthalate	7.873	149	318317	43.98	ug/ml	99
70) Flouranthene	8.367	202	340699	43.23	ug/ml	100
73) Benzidine	8.467	184	102660	-34.46	ug/ml	94
74) Pyrene	8.562	202	361689	40.88	ug/ml	99
75) Butylbenzyl phthalate	9.197	149	145640	45.09	ug/ml	90
76) 3,3'-Dichlorobenzidine	9.871	252	99481	39.28	ug/ml	99
77) Benzo(a)anthracene	9.902	228	343190	42.17	ug/ml	97
78) Chrysene	9.948	228	333784	41.48	ug/ml	98
79) Bis(2-ethylhexyl)phtha...	9.974	149	175955	47.54	ug/ml	99
81) Di-n-octylphthalate	11.072	149	271495	41.89	ug/ml	96
82) Benzo(b)fluoranthene	11.650	252	357289	44.07	ug/ml	95
83) Benzo(k)fluoranthene	11.699	252	351865	43.72	ug/ml	96
84) Benzo(a)pyrene	12.247	252	333443	44.37	ug/ml	95
85) Indeno(1,2,3-cd)pyrene	14.309	276	309799	46.32	ug/ml	94
86) Dibenz(a,h)anthracene	14.358	278	320160	45.54	ug/ml	96
87) Benzo(g,h,i)perylene	14.685	276	338135	45.55	ug/ml	91
89) 1,4-Dioxane	2.475	88	50209	40.28	ug/ml	96
90) Benzaldehyde	4.424	106	74371	30.44	ug/ml	100
91) Benzyl Alcohol	4.789	108	76006	43.48	ug/ml	98

69% -V-34

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297016.D
Acq On : 24 Oct 2025 4:42 pm
Operator : BGL
Sample : 8270ICV 50ppm 25J0521 Inst : GCMSSV2
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 18 16:01:12 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 17 11:48:07 2025
Response via : Initial Calibration

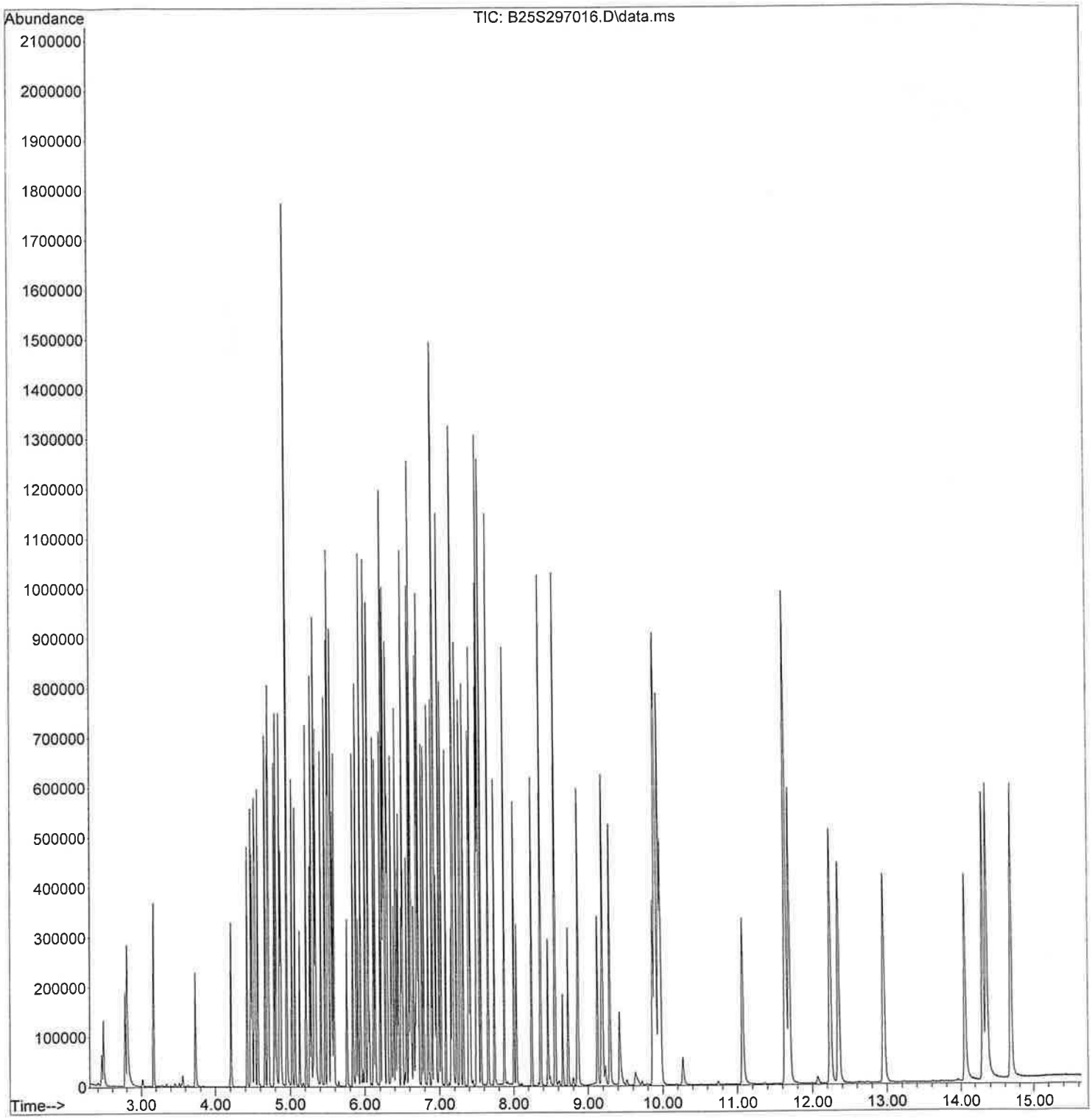
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 2,6-Dichlorophenol	5.551	162	93629	40.46	ug/ml	94
94) Caprolactam	5.762	113	36764	42.39	ug/ml	100
96) 2,3,4,6-Tetrachlorophenol	6.790	230	44635	44.65	ug/ml	96
97) Atrazine	7.320	200	56863	46.89	ug/ml	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297016.D
Acq On : 24 Oct 2025 4:42 pm
Operator : BGL
Sample : 8270ICV 50ppm 25J0521 Inst : GCMSSV2
Misc :
ALS Vial : 16 Sample Multiplier: 1

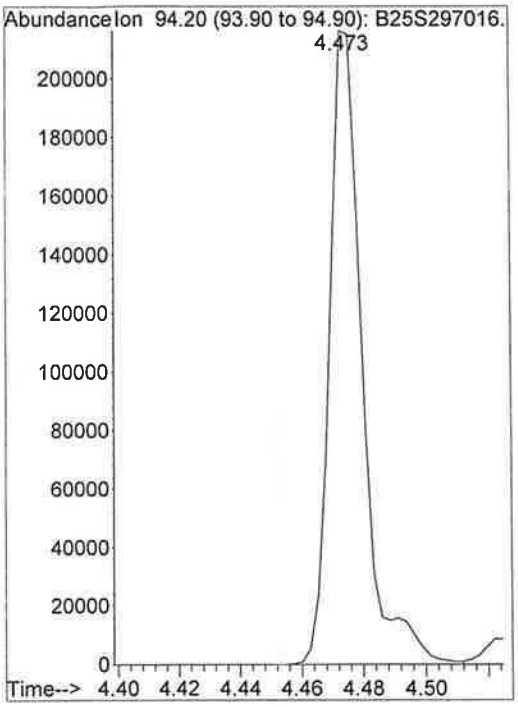
Quant Time: Nov 18 16:01:12 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 17 11:48:07 2025
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297016.D
Acq On : 24 Oct 2025 4:42 pm
Operator : BGL
Sample : 8270ICV 50ppm 25J0521
Misc :

Quant Time : Tue Nov 18 16:02:07 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Mon Nov 17 11:48:07 2025

Original Integration
Phenol



Original Int. Results

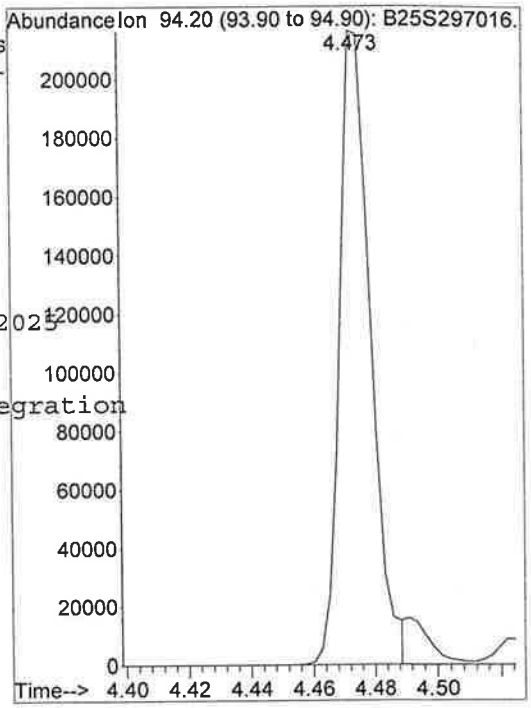
RT : 4.47
Area : 159559
Amount: 43.0744

Manual Int. Results

Tue Nov 18 16:02:07 2025

MIuser: BGL
Reason: Incorret Integration
RT : 4.47
Area : 151163
Amount: 40.8078

Manual Integration
Phenol



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297017.D
Acq On : 24 Oct 2025 5:06 pm
Operator : BGL
Sample : NCExtras 5 ppm 25F0299 Inst : GCMSSV2
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 04 11:32:21 2025
Quant Method : C:\msdchem\1\methods\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 11:30:47 2025
Response via : Initial Calibration

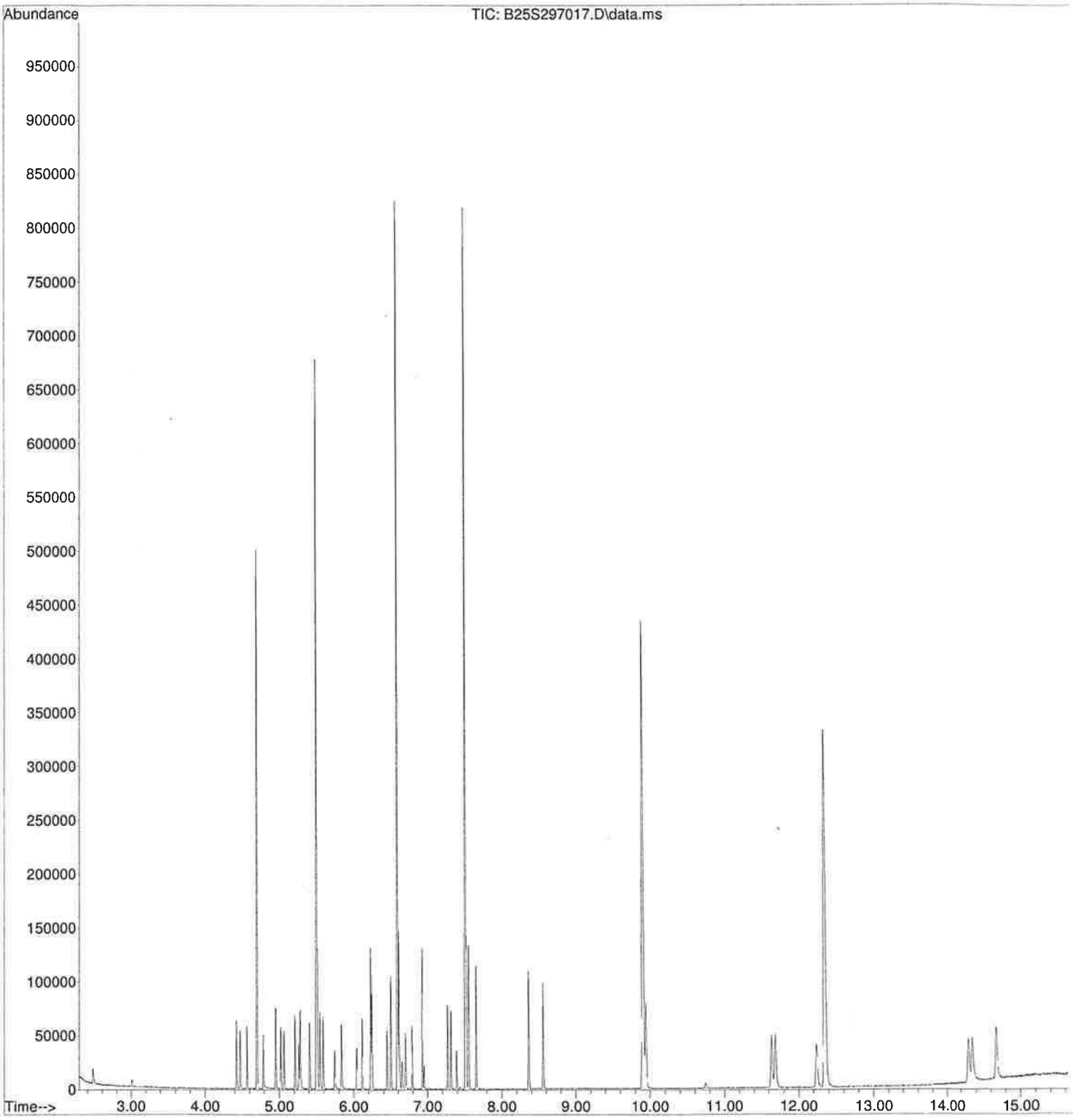
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	0.000	152	0m	40.00	ug/ml	-4.70
19) NAPHTHALENE-d8	0.000	136	0m	40.00	ug/ml	-5.50
35) ACENAPHTHENE-D10	0.000	164	0m	40.00	ug/ml	-6.59
58) PHENANTHRENE-D10	0.000	188	0m	40.00	ug/ml	-7.51
71) CHRYSENE-D12	0.000	240	0m	40.00	ug/ml	-9.91
80) PERYLENE-D12	0.000	264	0m	40.00	ug/ml	-12.36
88) 1,4-Dichlorobenzene-D4...	4.702	152	55773	40.00	ug/ml	0.00
92) NAPHTHALENE-d8 (2)	5.502	136	221328	40.00	ug/ml	0.00
95) ACENAPHTHENE-D10 (2)	6.590	164	125583	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	0.000	112	0	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
3) Phenol-d6	0.000	99	0d	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
20) Nitrobenzene-d5	0.000	82	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
36) 2-Fluorobiphenyl	0.000	172	0	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
37) 2,4,6-Tribromophenol	0.000	330	0	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
72) p-Terphenyl-d14	0.000	244	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
89) 1,4-Dioxane	2.472	88	5351	6.04	ug/ml	90
90) Benzaldehyde	4.424	106	9691	5.42	ug/ml	98
91) Benzyl Alcohol	4.787	108	5877	4.46	ug/ml	96
93) 2,6-Dichlorophenol	5.551	162	9028	5.14	ug/ml	92
94) Caprolactam	5.743	113	3332	4.71	ug/ml	95
96) Biphenyl	6.229	154	27273	5.52	ug/ml	99
97) 2,3,4,6-Tetrachlorophenol	6.793	230	4022	5.00	ug/ml	93
98) Atrazine	7.317	200	5199	5.37	ug/ml	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297017.D
Acq On : 24 Oct 2025 5:06 pm
Operator : BGL
Sample : NCExtras 5 ppm 25F0299 Inst : GCMSSV2
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 04 11:32:21 2025
Quant Method : C:\msdchem\1\methods\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 11:30:47 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297018.D
Acq On : 24 Oct 2025 5:31 pm
Operator : BGL
Sample : NCExtras 10 ppm 25F0300 Inst : GCMSSV2
Misc :
ALS Vial : 18 Sample Multiplier: 1

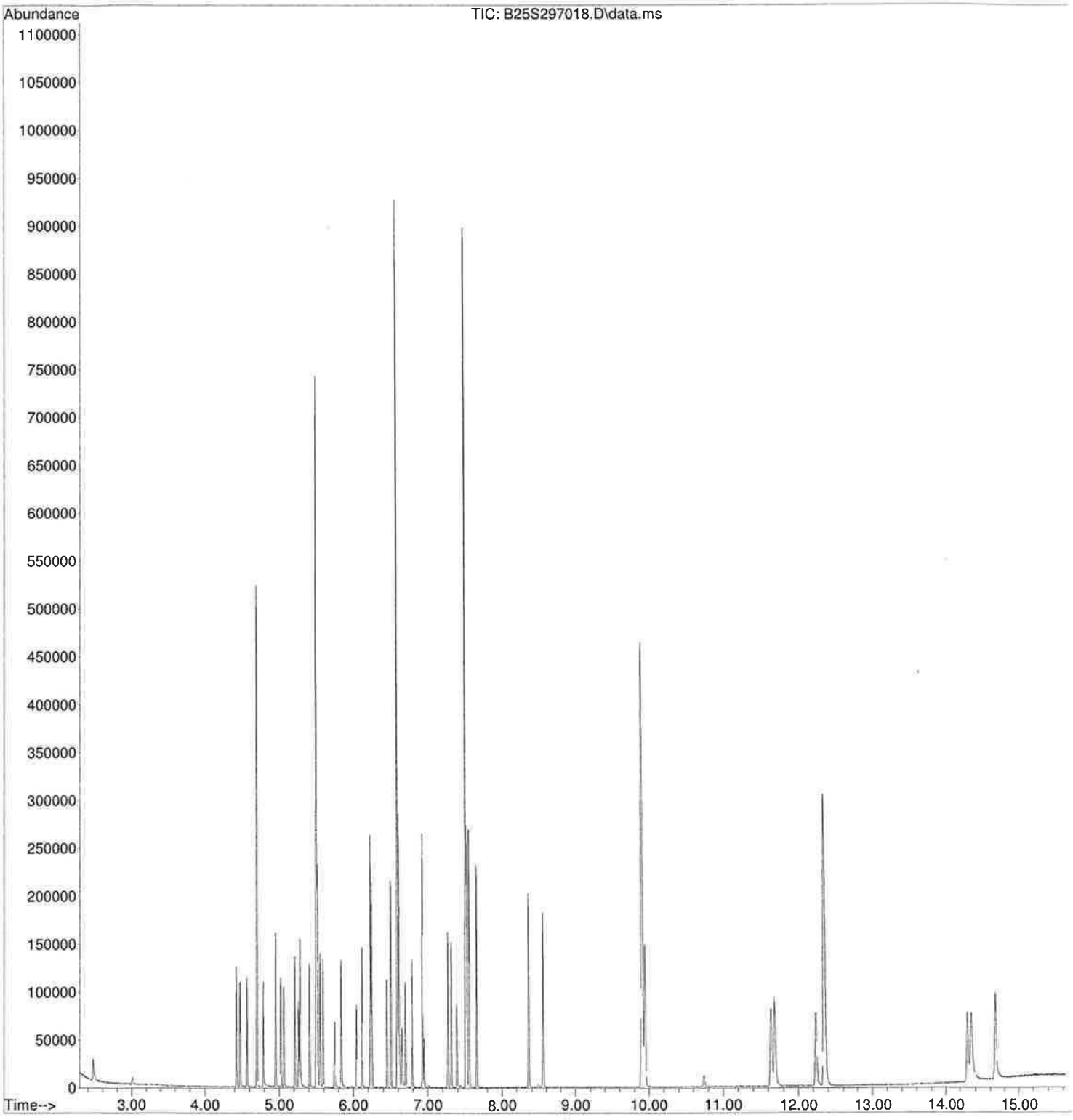
Quant Time: Nov 04 11:36:19 2025
Quant Method : C:\msdchem\1\methods\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 11:34:01 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	0.000	152	0m	40.00	ug/ml	-4.70
19) NAPHTHALENE-d8	0.000	136	0m	40.00	ug/ml	-5.50
35) ACENAPHTHENE-D10	0.000	164	0m	40.00	ug/ml	-6.59
58) PHENANTHRENE-D10	0.000	188	0m	40.00	ug/ml	-7.51
71) CHRYSENE-D12	0.000	240	0m	40.00	ug/ml	-9.91
80) PERYLENE-D12	0.000	264	0m	40.00	ug/ml	-12.36
88) 1,4-Dichlorobenzene-D4...	4.702	152	58625	40.00	ug/ml	0.00
92) NAPHTHALENE-d8 (2)	5.502	136	234407	40.00	ug/ml	0.00
95) ACENAPHTHENE-D10 (2)	6.590	164	135792	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	0.000	112	0	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
3) Phenol-d6	0.000	99	0d	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
20) Nitrobenzene-d5	0.000	82	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
36) 2-Fluorobiphenyl	0.000	172	0	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
37) 2,4,6-Tribromophenol	0.000	330	0	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
72) p-Terphenyl-d14	0.000	244	0	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
89) 1,4-Dioxane	2.473	88	10120	9.84	ug/ml	91
90) Benzaldehyde	4.424	106	18939	9.67	ug/ml	97
91) Benzyl Alcohol	4.787	108	13267	10.13	ug/ml	98
93) 2,6-Dichlorophenol	5.551	162	19005	10.08	ug/ml	93
94) Caprolactam	5.744	113	6909	9.50	ug/ml	100
96) Biphenyl	6.230	154	55780	9.93	ug/ml	99
97) 2,3,4,6-Tetrachlorophenol	6.790	230	8196	9.42	ug/ml	97
98) Atrazine	7.317	200	10465	9.64	ug/ml	99

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

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297018.D
Acq On : 24 Oct 2025 5:31 pm
Operator : BGL
Sample : NCExtras 10 ppm 25F0300 Inst : GCMSSV2
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 04 11:36:19 2025
Quant Method : C:\msdchem\1\methods\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 11:34:01 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297019.D
Acq On : 24 Oct 2025 5:55 pm
Operator : BGL
Sample : NCExtras 20 ppm 25F0301 Inst : GCMSSV2
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 04 11:38:51 2025
Quant Method : C:\msdchem\1\methods\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 11:37:37 2025
Response via : Initial Calibration

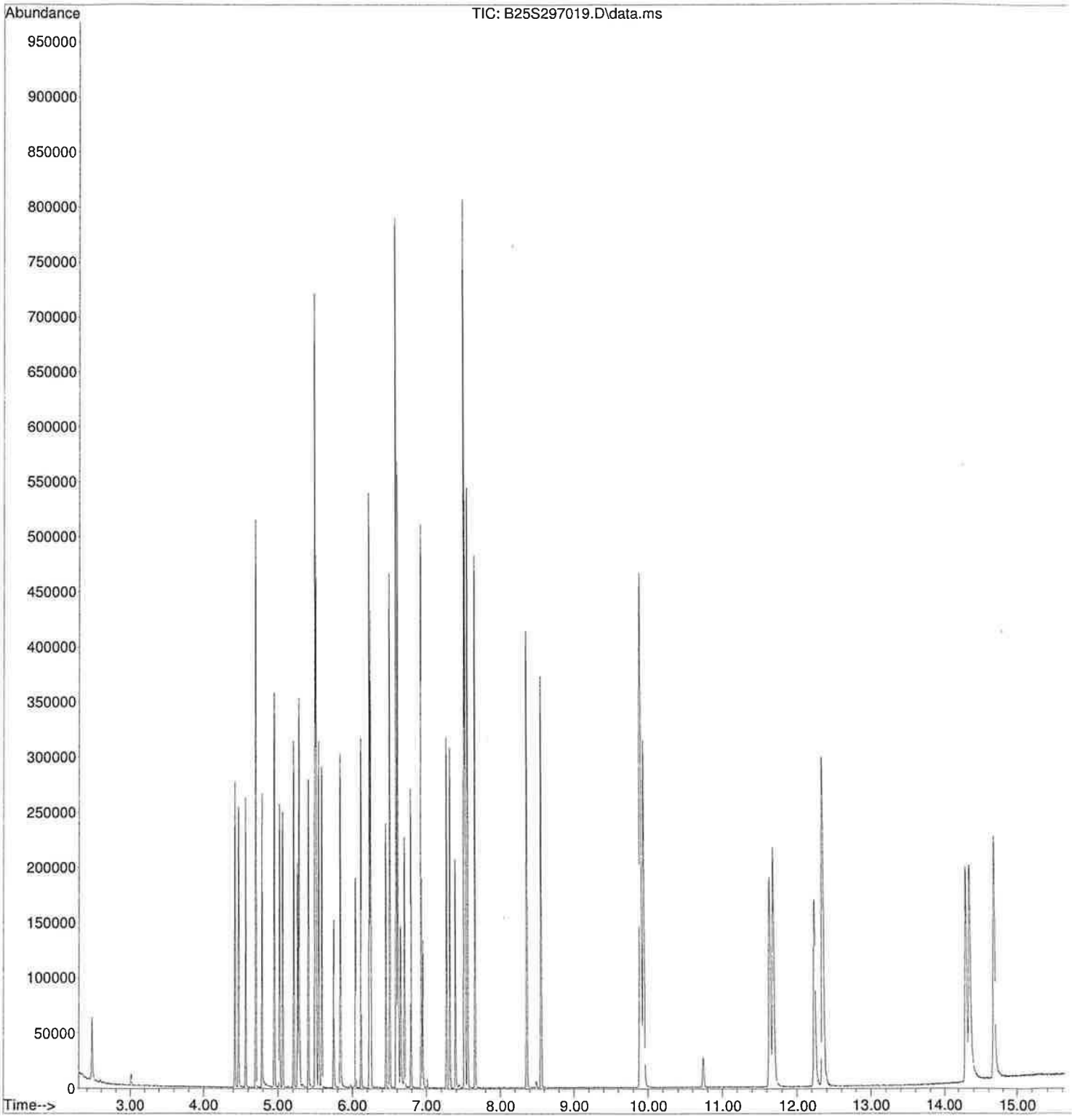
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	0.000	152	0m	40.00	ug/ml	-4.70
19) NAPHTHALENE-d8	0.000	136	0m	40.00	ug/ml	-5.50
35) ACENAPHTHENE-D10	0.000	164	0m	40.00	ug/ml	-6.59
58) PHENANTHRENE-D10	0.000	188	0m	40.00	ug/ml	-7.51
71) CHRYSENE-D12	0.000	240	0m	40.00	ug/ml	-9.91
80) PERYLENE-D12	0.000	264	0m	40.00	ug/ml	-12.36
88) 1,4-Dichlorobenzene-D4...	4.702	152	55480	40.00	ug/ml	0.00
92) NAPHTHALENE-d8 (2)	5.502	136	228369	40.00	ug/ml	0.00
95) ACENAPHTHENE-D10 (2)	6.592	164	121117	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	0.000	112	0	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
3) Phenol-d6	0.000	99	0d	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
20) Nitrobenzene-d5	0.000	82	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
36) 2-Fluorobiphenyl	0.000	172	0	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
37) 2,4,6-Tribromophenol	0.000	330	0	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
72) p-Terphenyl-d14	0.000	244	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
89) 1,4-Dioxane	2.467	88	21084	21.78	ug/ml	96
90) Benzaldehyde	4.424	106	42809	23.35	ug/ml	97
91) Benzyl Alcohol	4.787	108	29901	24.02	ug/ml	98
93) 2,6-Dichlorophenol	5.551	162	41297	22.42	ug/ml	92
94) Caprolactam	5.749	113	14908	21.40	ug/ml	98
96) Biphenyl	6.229	154	114884	22.98	ug/ml	98
97) 2,3,4,6-Tetrachlorophenol	6.790	230	17103	22.48	ug/ml	96
98) Atrazine	7.317	200	20814	21.76	ug/ml	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297019.D
Acq On : 24 Oct 2025 5:55 pm
Operator : BGL
Sample : NCExtras 20 ppm 25F0301 Inst : GCMSSV2
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 04 11:38:51 2025
Quant Method : C:\msdchem\1\methods\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 11:37:37 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297020.D
Acq On : 24 Oct 2025 6:19 pm
Operator : BGL
Sample : NCExtras 50 ppm 25F0302 Inst : GCMSSV2
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 04 11:41:00 2025
Quant Method : C:\msdchem\1\methods\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 11:39:27 2025
Response via : Initial Calibration

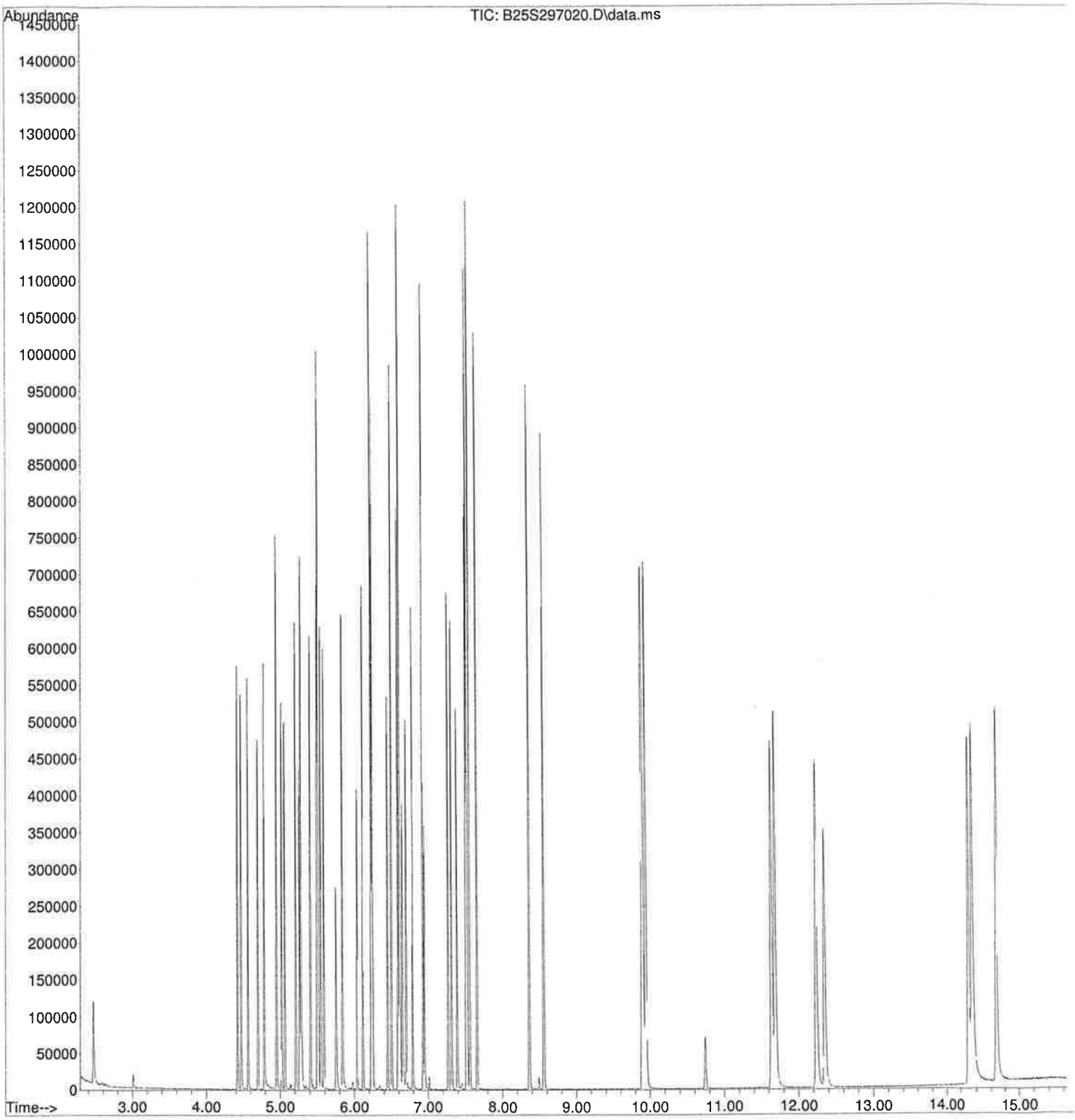
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	0.000	152	0m	40.00	ug/ml	-4.70
19) NAPHTHALENE-d8	0.000	136	0m	40.00	ug/ml	-5.50
35) ACENAPHTHENE-D10	0.000	164	0m	40.00	ug/ml	-6.59
58) PHENANTHRENE-D10	0.000	188	0m	40.00	ug/ml	-7.51
71) CHRYSENE-D12	0.000	240	0m	40.00	ug/ml	-9.91
80) PERYLENE-D12	0.000	264	0m	40.00	ug/ml	-12.36
88) 1,4-Dichlorobenzene-D4...	4.702	152	54249	40.00	ug/ml	0.00
92) NAPHTHALENE-d8 (2)	5.502	136	217054	40.00	ug/ml	0.00
95) ACENAPHTHENE-D10 (2)	6.592	164	121260	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	0.000	112	0	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
3) Phenol-d6	0.000	99	0d	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
20) Nitrobenzene-d5	0.000	82	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
36) 2-Fluorobiphenyl	0.000	172	0	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
37) 2,4,6-Tribromophenol	0.000	330	0	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
72) p-Terphenyl-d14	0.000	244	0	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
89) 1,4-Dioxane	2.465	88	43085	44.53	ug/ml	96
90) Benzaldehyde	4.422	106	86996	46.58	ug/ml	98
91) Benzyl Alcohol	4.787	108	64019	50.08	ug/ml	98
93) 2,6-Dichlorophenol	5.551	162	86134	47.75	ug/ml	94
94) Caprolactam	5.754	113	34671	51.46	ug/ml	97
96) Biphenyl	6.229	154	238400	45.92	ug/ml	100
97) 2,3,4,6-Tetrachlorophenol	6.790	230	38825	49.44	ug/ml	96
98) Atrazine	7.320	200	46698	47.72	ug/ml	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297020.D
Acq On : 24 Oct 2025 6:19 pm
Operator : BGL
Sample : NCExtras 50 ppm 25F0302 Inst : GCMSSV2
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 04 11:41:00 2025
Quant Method : C:\msdchem\1\methods\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 11:39:27 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297021.D
Acq On : 24 Oct 2025 6:44 pm
Operator : BGL
Sample : NCExtras 80 ppm 25F0303 Inst : GCMSSV2
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 04 11:43:57 2025
Quant Method : C:\msdchem\1\methods\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 11:41:53 2025
Response via : Initial Calibration

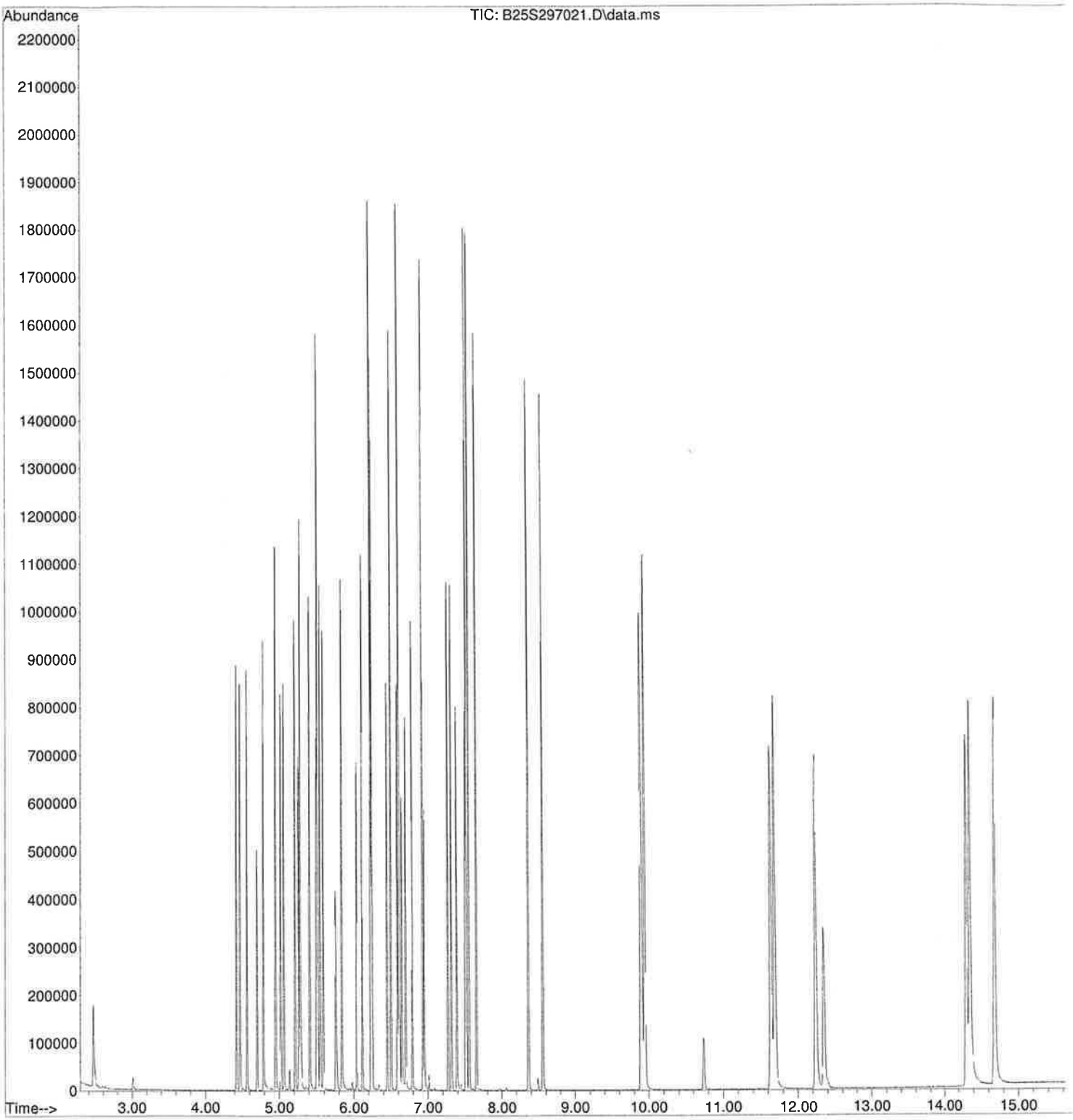
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	0.000	152	0m	40.00	ug/ml	-4.70
19) NAPHTHALENE-d8	0.000	136	0m	40.00	ug/ml	-5.50
35) ACENAPHTHENE-D10	0.000	164	0m	40.00	ug/ml	-6.59
58) PHENANTHRENE-D10	0.000	188	0m	40.00	ug/ml	-7.51
71) CHRYSENE-D12	0.000	240	0m	40.00	ug/ml	-9.91
80) PERYLENE-D12	0.000	264	0m	40.00	ug/ml	-12.36
88) 1,4-Dichlorobenzene-D4...	4.702	152	57177	40.00	ug/ml	0.00
92) NAPHTHALENE-d8 (2)	5.502	136	231007	40.00	ug/ml	0.00
95) ACENAPHTHENE-D10 (2)	6.592	164	130049	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	0.000	112	0	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
3) Phenol-d6	0.000	99	0d	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
20) Nitrobenzene-d5	0.000	82	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
36) 2-Fluorobiphenyl	0.000	172	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
37) 2,4,6-Tribromophenol	0.000	330	0	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
72) p-Terphenyl-d14	0.000	244	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
89) 1,4-Dioxane	2.462	88	68352	67.03	ug/ml	99
90) Benzaldehyde	4.422	106	139945	71.09	ug/ml	98
91) Benzyl Alcohol	4.787	108	107983	80.15	ug/ml	100
93) 2,6-Dichlorophenol	5.551	162	142710	74.33	ug/ml	94
94) Caprolactam	5.759	113	54526	76.04	ug/ml	98
96) Biphenyl	6.232	154	387666	69.62	ug/ml	99
97) 2,3,4,6-Tetrachlorophenol	6.790	230	65001	77.18	ug/ml	95
98) Atrazine	7.320	200	74151	70.65	ug/ml	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297021.D
Acq On : 24 Oct 2025 6:44 pm
Operator : BGL
Sample : NCExtras 80 ppm 25F0303 Inst : GCMSSV2
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 04 11:43:57 2025
Quant Method : C:\msdchem\1\methods\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 11:41:53 2025
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297022.D
Acq On : 24 Oct 2025 7:08 pm
Operator : BGL
Sample : NCExtras 100 ppm 25F0304 Inst : GCMSSV2
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 04 11:45:53 2025
Quant Method : C:\msdchem\1\methods\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 11:45:19 2025
Response via : Initial Calibration

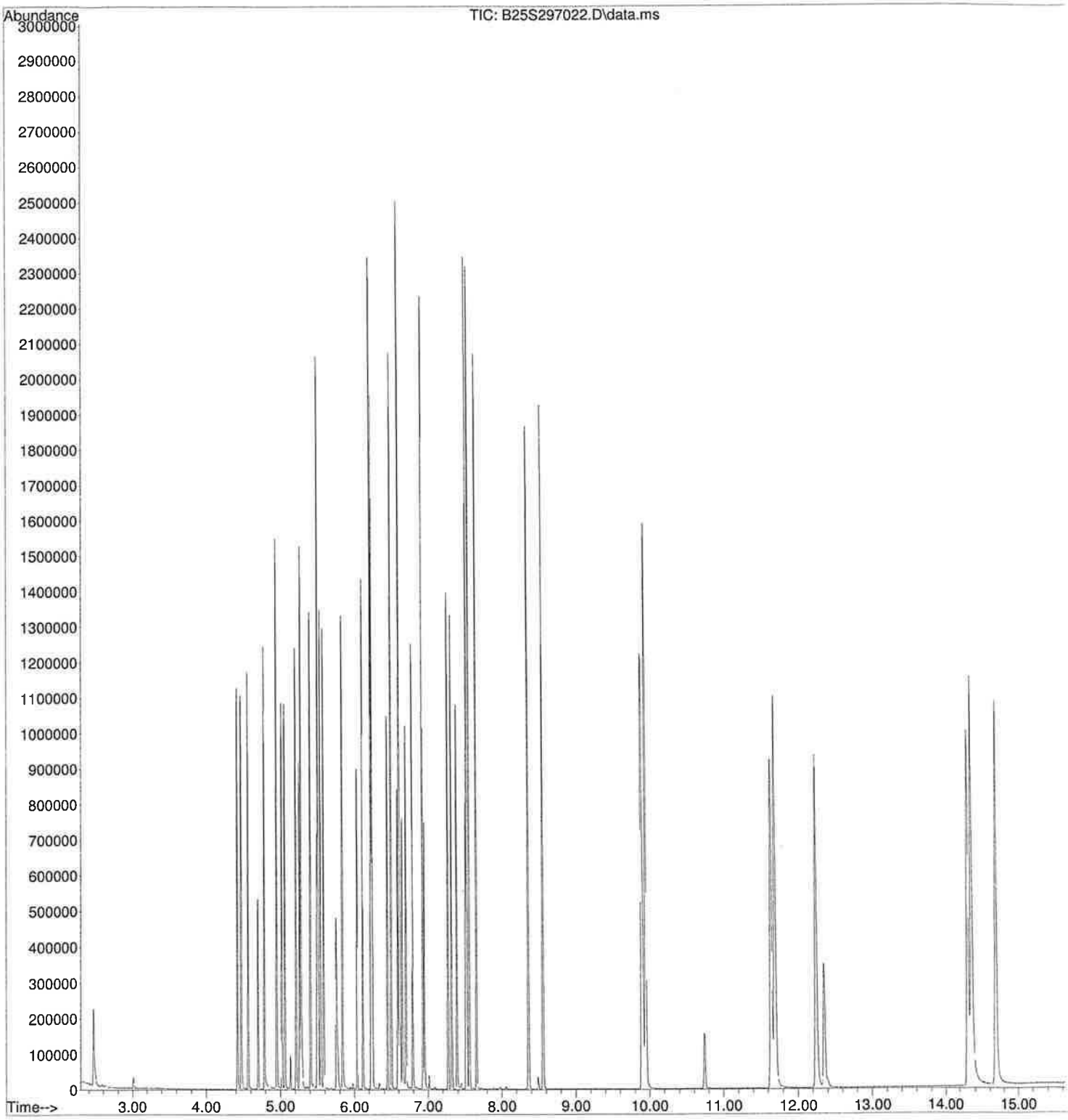
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	0.000	152	0m	40.00	ug/ml	-4.70
19) NAPHTHALENE-d8	0.000	136	0m	40.00	ug/ml	-5.50
35) ACENAPHTHENE-D10	0.000	164	0m	40.00	ug/ml	-6.59
58) PHENANTHRENE-D10	0.000	188	0m	40.00	ug/ml	-7.51
71) CHRYSENE-D12	0.000	240	0m	40.00	ug/ml	-9.91
80) PERYLENE-D12	0.000	264	0m	40.00	ug/ml	-12.36
88) 1,4-Dichlorobenzene-D4...	4.702	152	57822	40.00	ug/ml	0.00
92) NAPHTHALENE-d8 (2)	5.502	136	235784	40.00	ug/ml	0.00
95) ACENAPHTHENE-D10 (2)	6.592	164	130920	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	0.000	112	0	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
3) Phenol-d6	0.000	99	0d	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
20) Nitrobenzene-d5	0.000	82	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
36) 2-Fluorobiphenyl	0.000	172	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
37) 2,4,6-Tribromophenol	0.000	330	0	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
72) p-Terphenyl-d14	0.000	244	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
89) 1,4-Dioxane	2.462	88	90125	90.33	ug/ml	98
90) Benzaldehyde	4.422	106	181132	93.06	ug/ml	99
91) Benzyl Alcohol	4.787	108	144437	105.97	ug/ml	99
93) 2,6-Dichlorophenol	5.551	162	190861	98.80	ug/ml	98
94) Caprolactam	5.762	113	71183	98.23	ug/ml	99
96) Biphenyl	6.230	154	508356	93.11	ug/ml	100
97) 2,3,4,6-Tetrachlorophenol	6.790	230	85818	101.93	ug/ml	96
98) Atrazine	7.320	200	98828	95.78	ug/ml	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297022.D
Acq On : 24 Oct 2025 7:08 pm
Operator : BGL
Sample : NCExtras 100 ppm 25F0304 Inst : GCMSSV2
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 04 11:45:53 2025
Quant Method : C:\msdchem\1\methods\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 11:45:19 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297023.D
Acq On : 24 Oct 2025 7:33 pm
Operator : BGL
Sample : 8270ICV 50ppm 25J0521 Inst : GCMSSV2
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 04 14:44:18 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 14:25:45 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	0.000	152	0m	40.00	ug/ml	-4.70
19) NAPHTHALENE-d8	0.000	136	0m	40.00	ug/ml	-5.50
35) ACENAPHTHENE-D10	0.000	164	0m	40.00	ug/ml	-6.59
58) PHENANTHRENE-D10	0.000	188	0m	40.00	ug/ml	-7.51
71) CHRYSENE-D12	0.000	240	0m	40.00	ug/ml	-9.91
80) PERYLENE-D12	0.000	264	0m	40.00	ug/ml	-12.36
88) 1,4-Dichlorobenzene-D4...	4.702	152	62455	40.00	ug/ml	0.00
92) NAPHTHALENE-d8 (2)	5.502	136	255536	40.00	ug/ml	0.00
95) ACENAPHTHENE-D10 (2)	6.592	164	146203	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	0.000	112	0d	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
3) Phenol-d6	0.000	99	0d	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
20) Nitrobenzene-d5	0.000	82	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
36) 2-Fluorobiphenyl	0.000	172	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
37) 2,4,6-Tribromophenol	0.000	330	0	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
72) p-Terphenyl-d14	0.000	244	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
89) 1,4-Dioxane	2.470	88	41626	39.26	ug/ml	97
90) Benzaldehyde	4.422	106	66002	31.76	ug/ml	98
91) Benzyl Alcohol	4.787	108	69226	46.56	ug/ml	98
93) 2,6-Dichlorophenol	5.551	162	87384	41.82	ug/ml	93
94) Caprolactam	5.759	113	34430	43.97	ug/ml	99
96) Biphenyl	6.230	154	241340	40.04	ug/ml	99
97) 2,3,4,6-Tetrachlorophenol	6.790	230	41713	44.22	ug/ml	96
98) Atrazine	7.320	200	51308	44.84	ug/ml	99

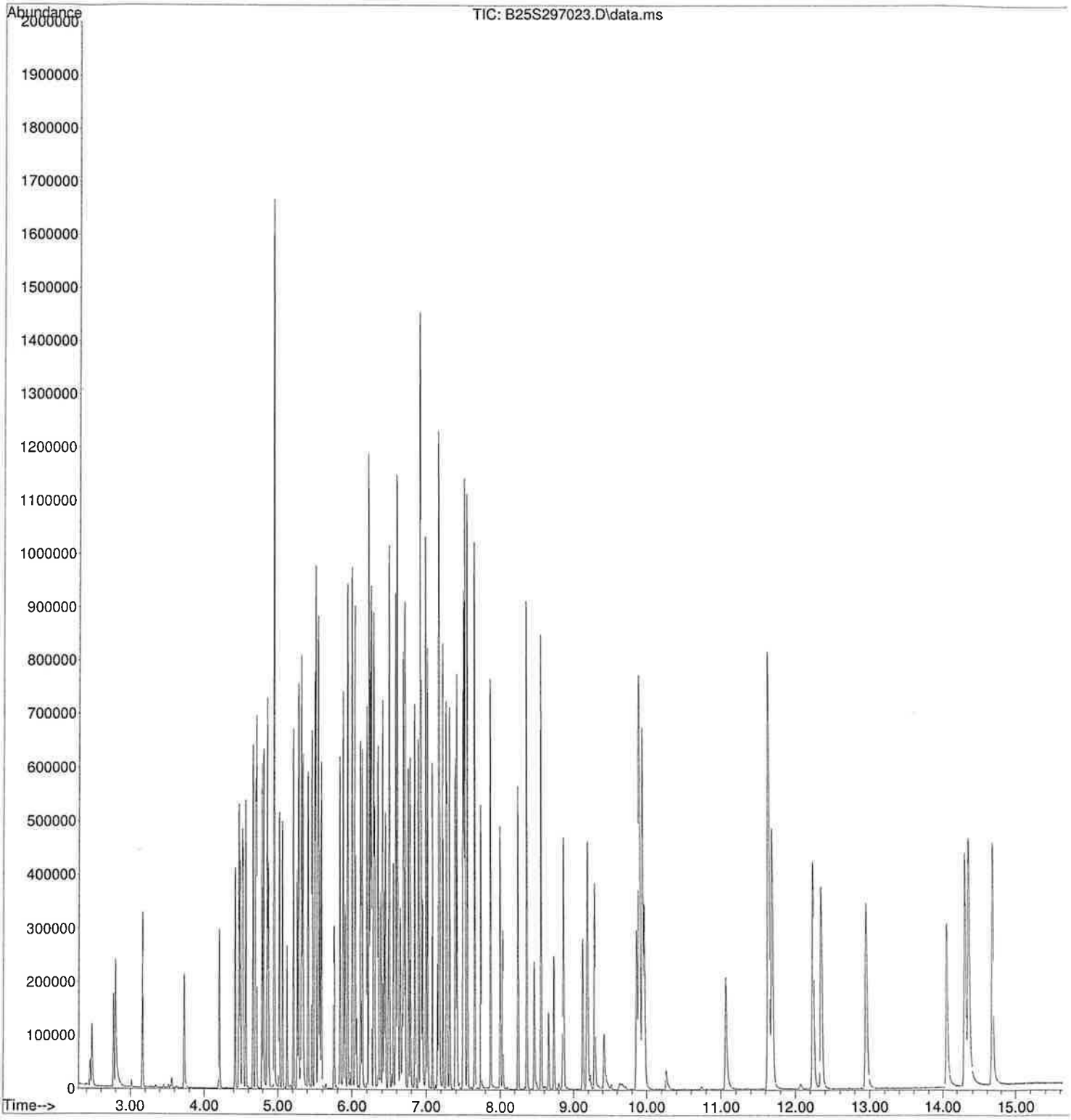
(#) = qualifier out of range (m) = manual integration (+) = signals summed

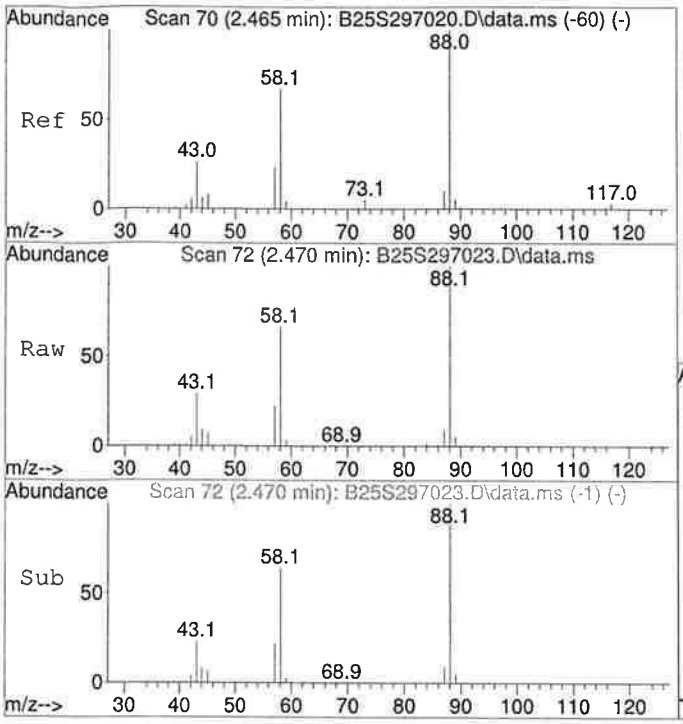
Reviewed By: Christian Merchant NOV 19 2025

70.130 U34 63%

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297023.D
Acq On : 24 Oct 2025 7:33 pm
Operator : BGL
Sample : 8270ICV 50ppm 25J0521 Inst : GCMSSV2
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 04 14:44:18 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 14:25:45 2025
Response via : Initial Calibration

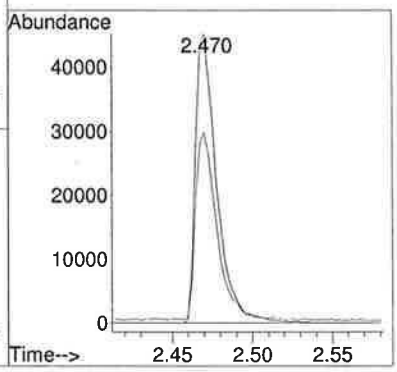


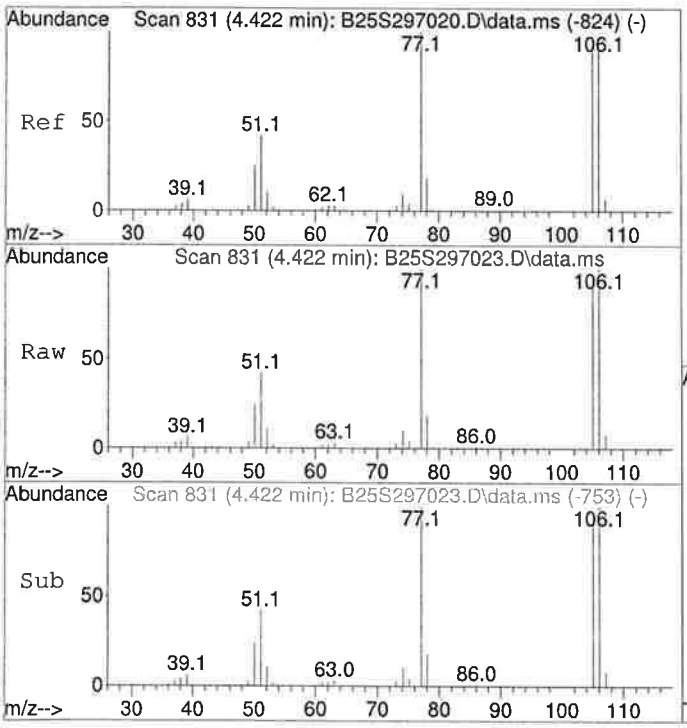


#89
1,4-Dioxane
Concen: 39.26 ug/ml
RT: 2.470 min Scan# 72
Delta R.T. 0.005 min
Lab File: B25S297023.D
Acq: 24 Oct 2025 7:33 pm

Tgt Ion: 88 Resp: 41626

Ion	Ratio	Lower	Upper
88	100		
58	66.2	50.8	76.2

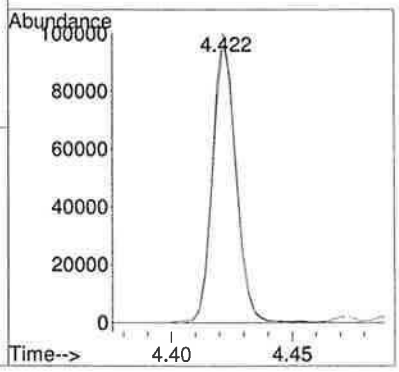


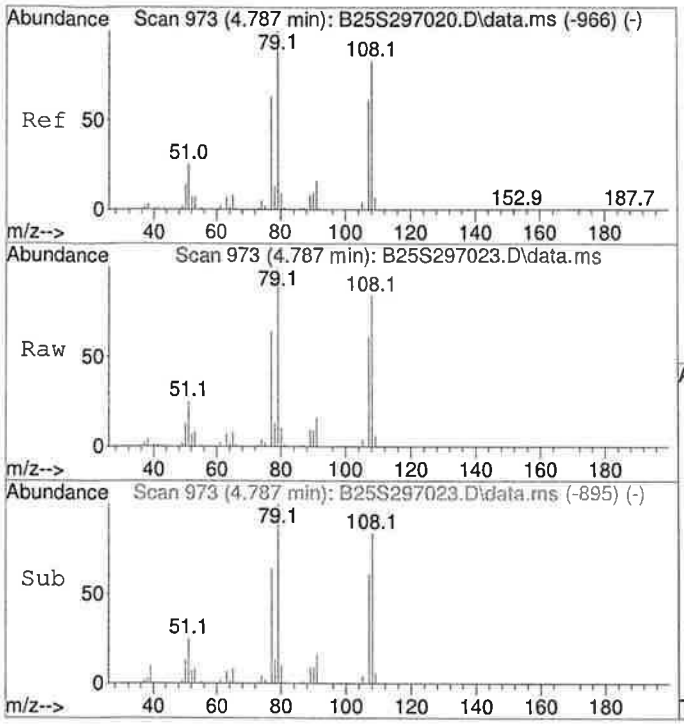


#90
Benzaldehyde
Concen: 31.76 ug/ml
RT: 4.422 min Scan# 831
Delta R.T. -0.000 min
Lab File: B25S297023.D
Acq: 24 Oct 2025 7:33 pm

Tgt Ion:106 Resp: 66002

Ion	Ratio	Lower	Upper
106	100		
105	98.1	79.4	119.2
77	99.5	81.3	121.9

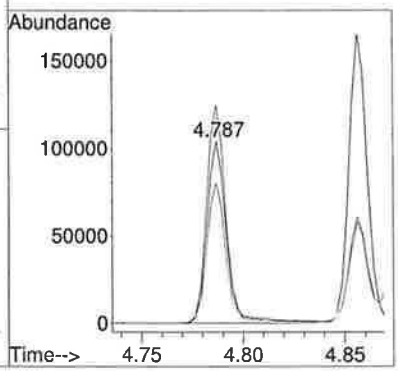


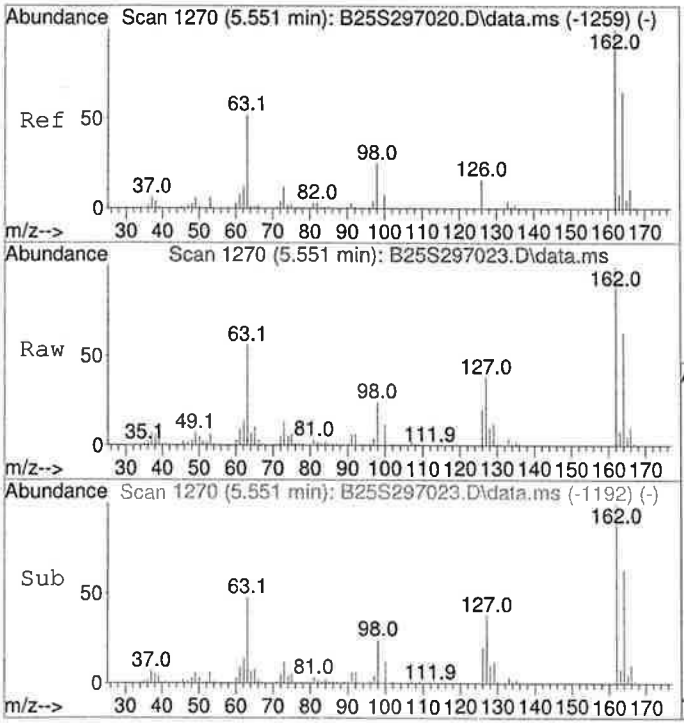


#91
Benzyl Alcohol
Concen: 46.56 ug/ml
RT: 4.787 min Scan# 973
Delta R.T. -0.000 min
Lab File: B25S297023.D
Acq: 24 Oct 2025 7:33 pm

Tgt Ion:108 Resp: 69226

Ion	Ratio	Lower	Upper
108	100		
79	117.2	97.3	145.9
77	77.6	62.1	93.1

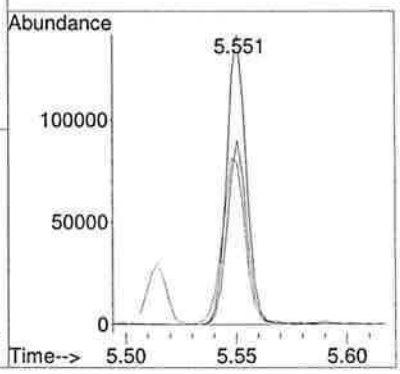


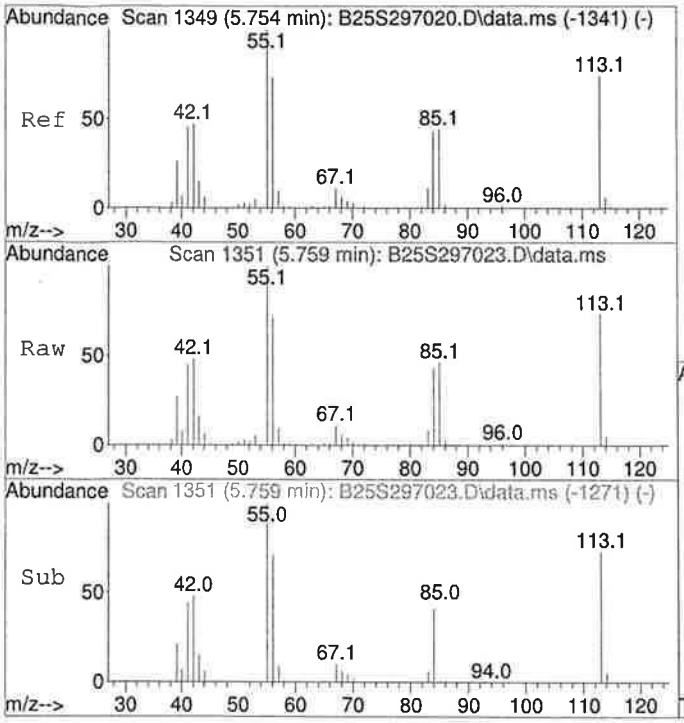


#93
2,6-Dichlorophenol
Concen: 41.82 ug/ml
RT: 5.551 min Scan# 1270
Delta R.T. -0.000 min
Lab File: B25S297023.D
Acq: 24 Oct 2025 7:33 pm

Tgt Ion:162 Resp: 87384

Ion	Ratio	Lower	Upper
162	100		
164	63.8	51.4	77.2
63	66.9	45.1	67.7

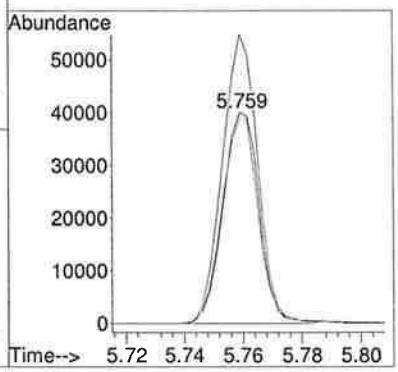


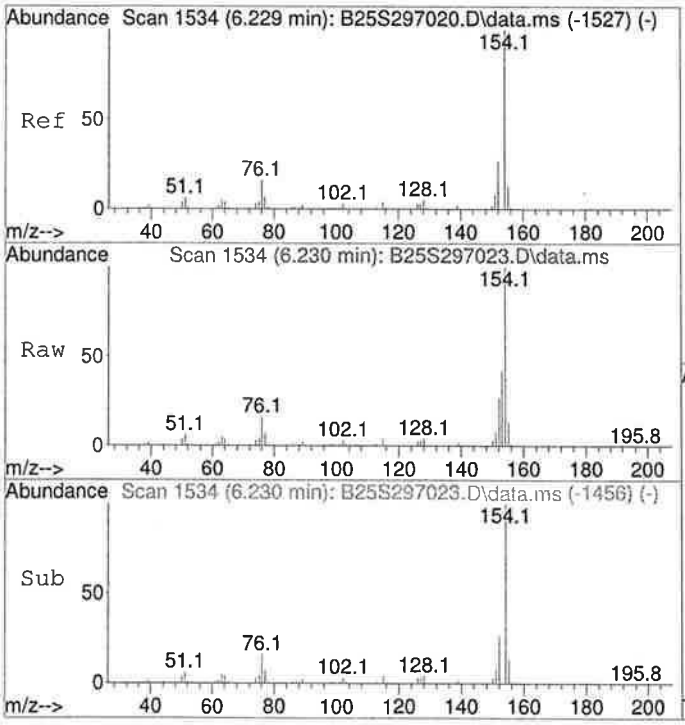


#94
Caprolactam
Concen: 43.97 ug/ml
RT: 5.759 min Scan# 1351
Delta R.T. 0.005 min
Lab File: B25S297023.D
Acq: 24 Oct 2025 7:33 pm

Tgt Ion:113 Resp: 34430

Ion	Ratio	Lower	Upper
113	100		
55	133.3	105.3	157.9
56	97.6	77.1	115.7

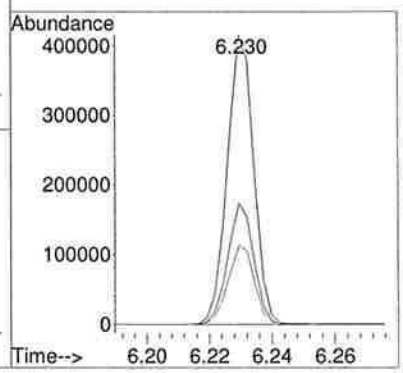


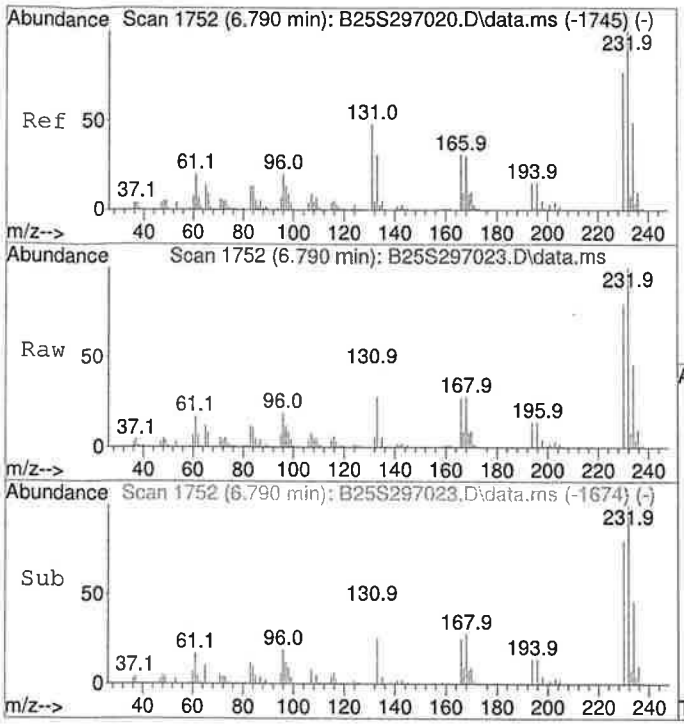


#96
Biphenyl
Concen: 40.04 ug/ml
RT: 6.230 min Scan# 1534
Delta R.T. 0.000 min
Lab File: B25S297023.D
Acq: 24 Oct 2025 7:33 pm

Tgt Ion:154 Resp: 241340

Ion	Ratio	Lower	Upper
154	100		
153	41.1	33.3	49.9
152	27.2	21.8	32.6

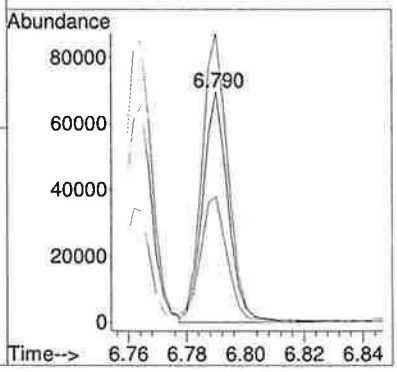


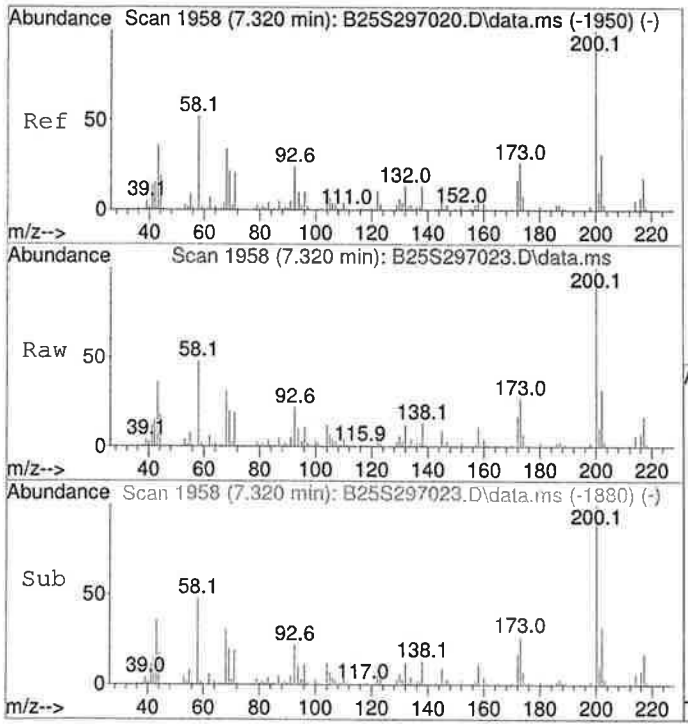


#97
2,3,4,6-Tetrachlorophenol
Concen: 44.22 ug/ml
RT: 6.790 min Scan# 1752
Delta R.T. 0.000 min
Lab File: B25S297023.D
Acq: 24 Oct 2025 7:33 pm

Tgt Ion:230 Resp: 41713

Ion	Ratio	Lower	Upper
230	100		
232	129.0	105.4	158.2
131	57.9	50.0	75.0

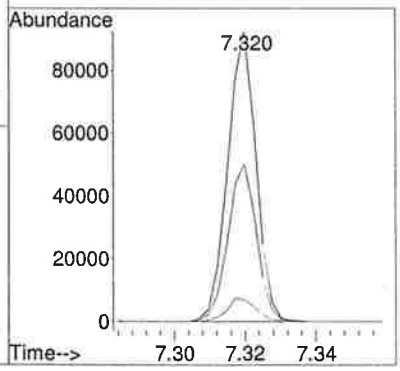




#98
Atrazine
Concen: 44.84 ug/ml
RT: 7.320 min Scan# 1958
Delta R.T. 0.000 min
Lab File: B25S297023.D
Acq: 24 Oct 2025 7:33 pm

Tgt Ion:200 Resp: 51308

Ion	Ratio	Lower	Upper
200	100		
215	55.0	44.2	66.4
216	8.2	6.2	9.2

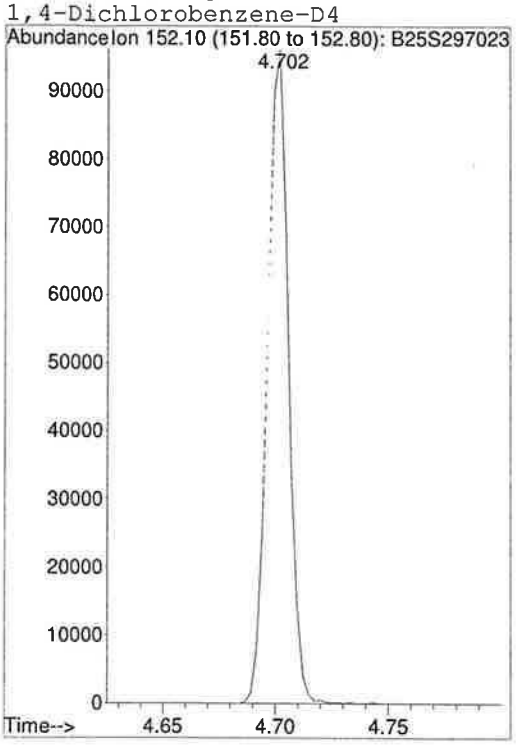


Manual Integration Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297023.D
Acq On : 24 Oct 2025 7:33 pm
Operator : BGL
Sample : 8270ICV 50ppm 25J0521
Misc :

Quant Time : Tue Nov 04 14:44:42 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Tue Nov 04 14:25:45 2025

Original Integration
1,4-Dichlorobenzene-D4



Original Int. Results

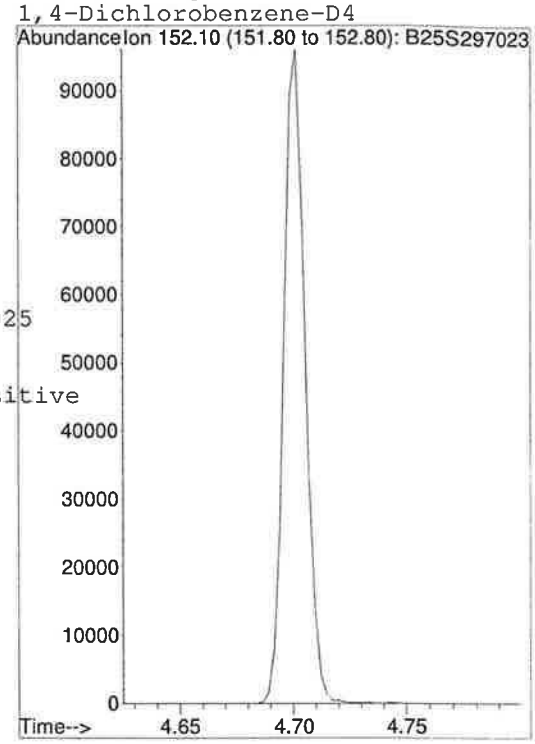
RT : 4.70
Area : 62455
Amount: 40

Manual Int. Results

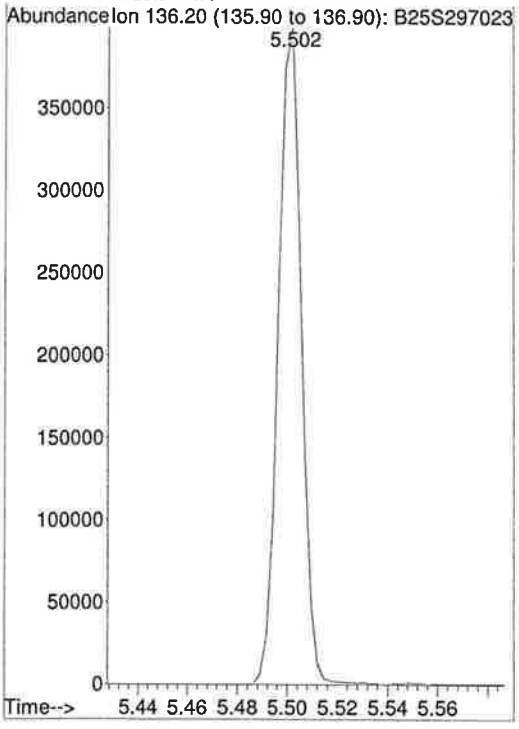
Tue Nov 04 14:44:42 2025

MIuser: bgl
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

Manual Integration
1,4-Dichlorobenzene-D4



Original Integration
NAPHTHALENE-d8



Original Int. Results

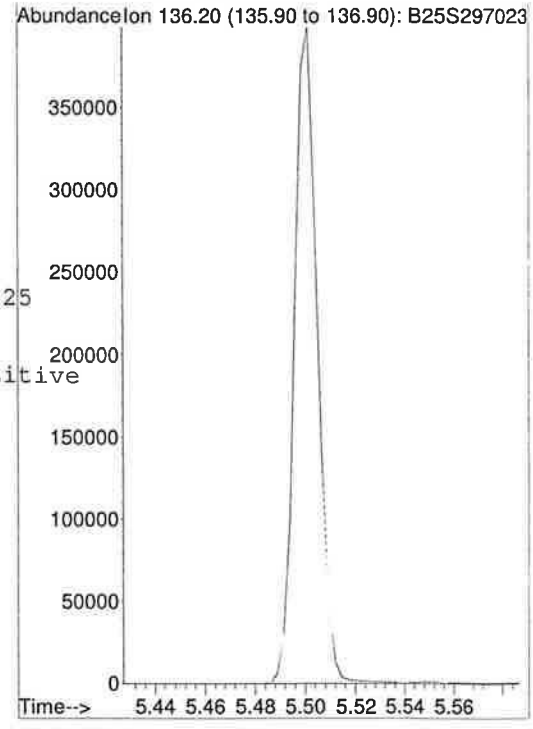
RT : 5.50
Area : 255536
Amount: 40

Manual Int. Results

Tue Nov 04 14:44:39 2025

MIuser: bgl
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

Manual Integration
NAPHTHALENE-d8

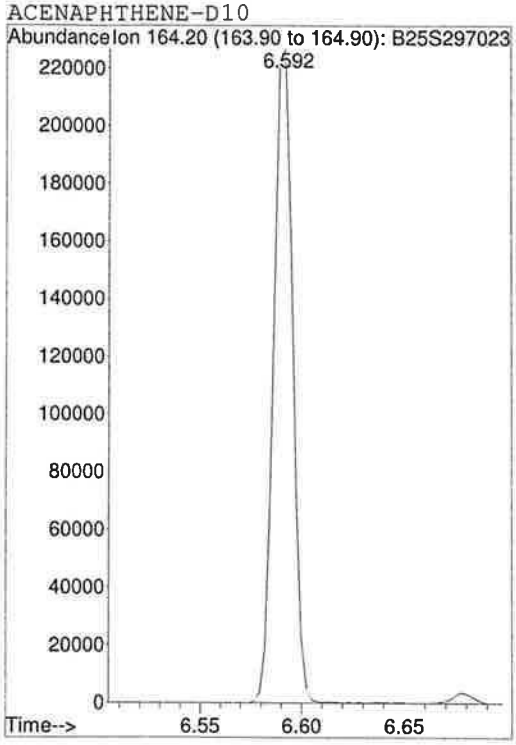


Manual Integration Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297023.D
Acq On : 24 Oct 2025 7:33 pm
Operator : BGL
Sample : 8270ICV 50ppm 25J0521
Misc :

Quant Time : Tue Nov 04 14:44:42 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Tue Nov 04 14:25:45 2025

Original Integration
ACENAPHTHENE-D10



Original Int. Results

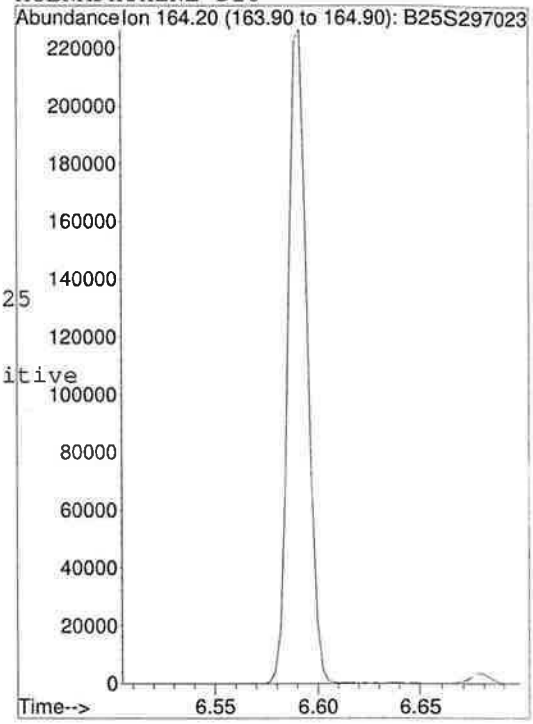
RT : 6.59
Area : 146203
Amount: 40

Manual Int. Results

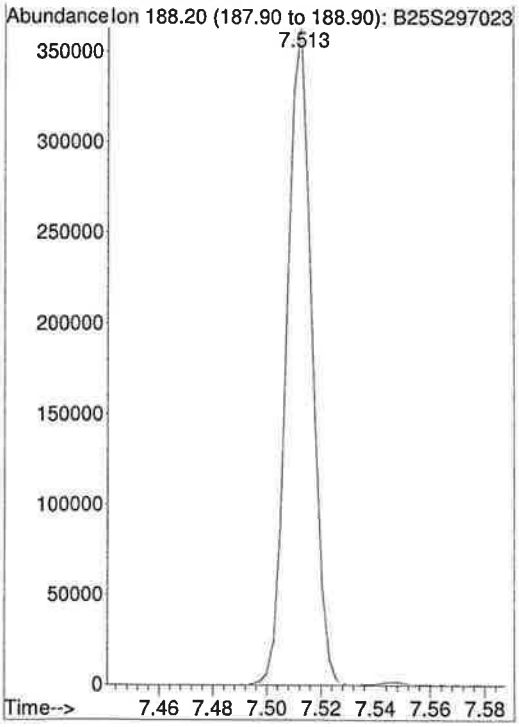
Tue Nov 04 14:44:37 2025

MIuser: bgl
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

Manual Integration
ACENAPHTHENE-D10



Original Integration
PHENANTHRENE-D10



Original Int. Results

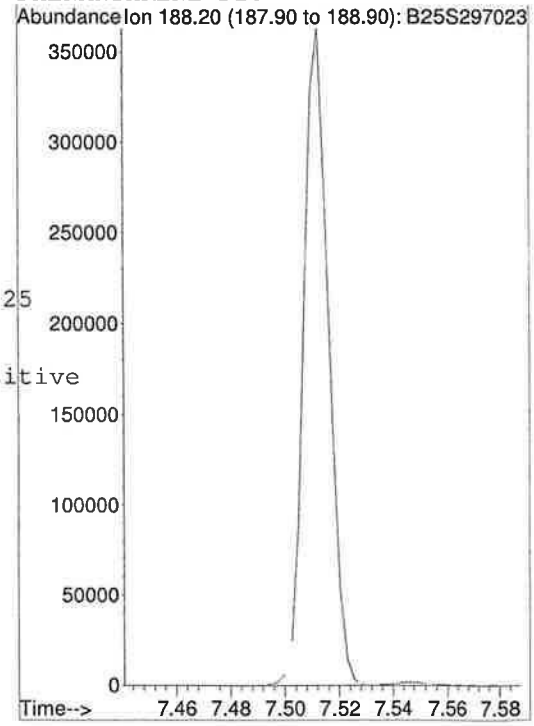
RT : 7.51
Area : 233458
Amount: 40

Manual Int. Results

Tue Nov 04 14:44:34 2025

MIuser: bgl
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

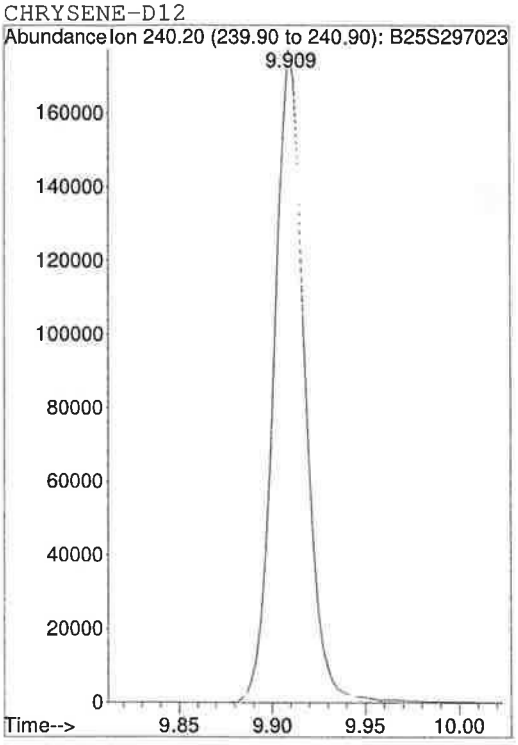
Manual Integration
PHENANTHRENE-D10



Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297023.D
Acq On : 24 Oct 2025 7:33 pm
Operator : BGL
Sample : 8270ICV 50ppm 25J0521
Misc :

Quant Time : Tue Nov 04 14:44:42 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Tue Nov 04 14:25:45 2025

Original Integration
CHRYSENE-D12



Original Int. Results

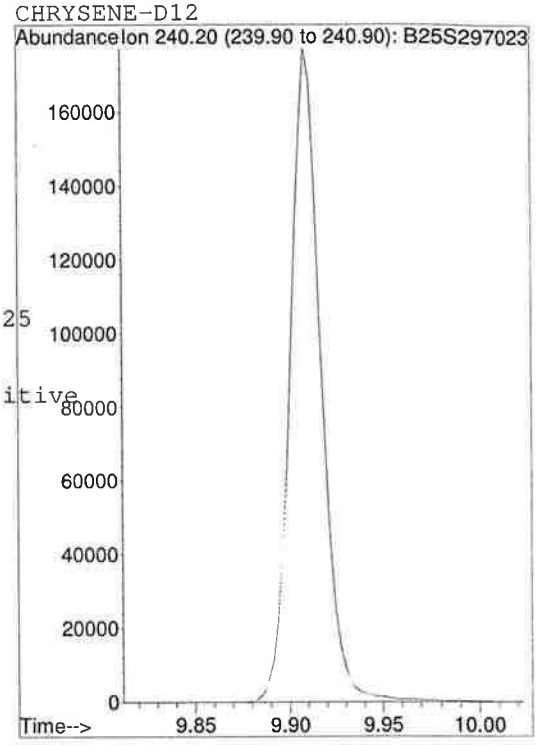
RT : 9.91
Area : 202012
Amount: 40

Manual Int. Results

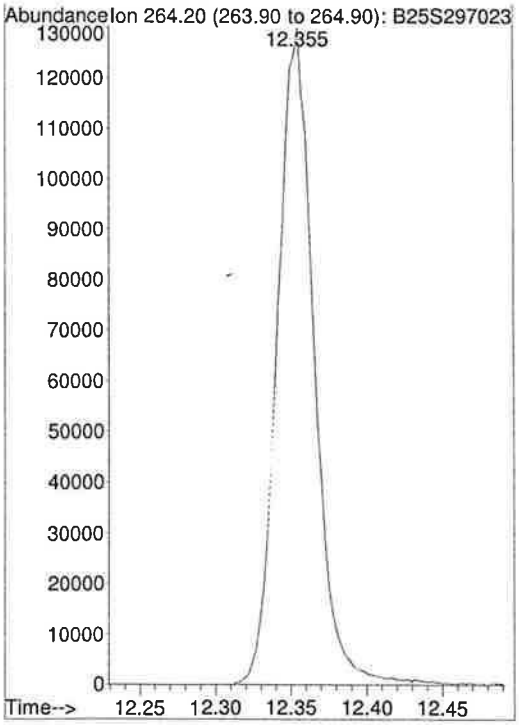
Tue Nov 04 14:44:33 2025

MIuser: bgl
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

Manual Integration
CHRYSENE-D12



Original Integration
PERYLENE-D12



Original Int. Results

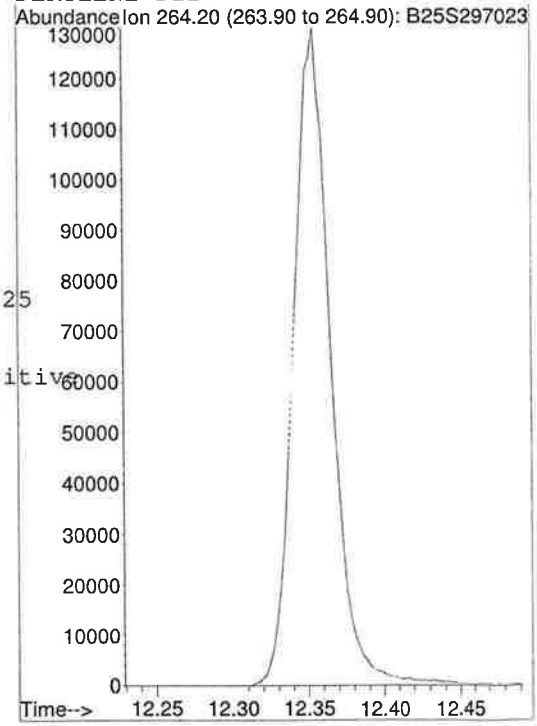
RT : 12.36
Area : 220250
Amount: 40

Manual Int. Results

Tue Nov 04 14:44:32 2025

MIuser: bgl
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

Manual Integration
PERYLENE-D12



605

w/extras

C:\MSDCHEM\1\METHODS\BN210245.M
Tue Nov 04 15:24:05 2025

Control Information
------- -----------

Sample Inlet : GC
Injection Source : External Device
Mass Spectrometer : Enabled

No Sample Prep method has been assigned to this method.

==========

6890 GC METHOD

==========

OVEN
Initial temp: 40 'C (On)
Initial time: 2.00 min
Maximum temp: 450 'C
Equilibration time: 0.50 min
Ramps:

#	Rate	Final temp	Final time
1	40.00	260	0.00
2	6.00	295	0.00
3	25.00	320	1.30
4	0.0(Off)		

Post temp: 0 'C
Post time: 0.00 min
Run time: 15.63 min

FRONT INLET (SPLIT/SPLITLESS)
Mode: Pulsed Split
Initial temp: 250 'C (On)
Pressure: 10.79 psi (On)
Split ratio: 10:1
Pulse pressure: 25.0 psi
Pulse time: 0.40 min
Split flow: 13.7 mL/min
Total flow: 18.4 mL/min
Gas saver: Off
Gas type: Helium

BACK INLET (UNKNOWN)

COLUMN 1
Capillary Column
Model Number: Phenomen 7HG-G027-11
ZB-Semivoa
Max temperature: 325 'C
Nominal length: 30.0 m
Nominal diameter: 250.00 um
Nominal film thickness: 0.25 um
Mode: constant flow
Initial flow: 1.4 mL/min
Nominal init pressure: 10.80 psi
Average velocity: 43 cm/sec
Inlet: Front Inlet
Outlet: (unspecified)
Outlet pressure: vacuum

COLUMN 2
(not installed)

FRONT DETECTOR (NO DET)

BACK DETECTOR (NO DET)

SIGNAL 1
Data rate: 20 Hz

SIGNAL 2
Data rate: 20 Hz

Type: test plot
Save Data: Off
Zero: 0.0 (Off)
Range: 0
Fast Peaks: Off
Attenuation: 0

Type: test plot
Save Data: Off
Zero: 0.0 (Off)
Range: 0
Fast Peaks: Off
Attenuation: 0

COLUMN COMP 1
(No Detectors Installed)

COLUMN COMP 2
(No Detectors Installed)

THERMAL AUX 2
Use: MSD Transfer Line Heater
Description: Transfer Line
Initial temp: 290 'C (On)
Initial time: 0.00 min

#	Rate	Final temp	Final time
1	0.0	(Off)	

POST RUN
Post Time: 0.00 min

TIME TABLE

Time	Specifier	Parameter & Setpoint

GC Injector

Front Injector:
Injector not configured, use these parameters if it becomes configured

Sample Washes	1
Sample Pumps	2
Injection Volume	1.00 microliters
Syringe Size	10.0 microliters
PostInj Solvent A Washes	3
PostInj Solvent B Washes	3
Viscosity Delay	2 seconds
Plunger Speed	Slow

Back Injector:
No parameters specified

Column 1 Inventory Number : AB006
Column 2 Inventory Number :

MS ACQUISITION PARAMETERS

General Information

Tune File	: dftpp102225.u
Acquistion Mode	: Scan

MS Information

Solvent Delay	: 2.20 min
EMV Mode	: Relative
Relative Voltage	: 0
Resulting EM Voltage	: 1659

[Scan Parameters]

```
Low Mass                : 35.0
High Mass               : 450.0
Threshold               : 150
Sample #                : 1       A/D Samples    2
Plot 2 low mass         : 50.0
Plot 2 high mass        : 550.0

[MSZones]

MS Source               : 230 C   maximum 250 C
MS Quad                 : 150 C   maximum 200 C
```

END OF MS ACQUISITION PARAMETERS

TUNE PARAMETERS for SN: US10440464

Trace Ion Detection is OFF.

```
 EMISSION     :      34.610
 ENERGY       :      69.922
 REPELLER     :      28.950
 IONFOCUS     :      88.259
 ENTRANCE_LE  :       0.000
 EMVOLTS      :    1658.824
                             Actual EMV  :    1658.82
                             GAIN FACTOR :       0.63
 AMUGAIN      :    2459.000
 AMUOFFSET    :     135.000
 FILAMENT     :       1.000
 DCPOLARITY   :       0.000
 ENTLENSOFFS  :    16.816@  3    16.816@ 50    16.565@ 69    17.067@131    18.071@219    15.812@
414    16.710@502    16.310@799
 MASSGAIN     :     211.000
 MASSOFFSET   :     -10.000
```

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

DATA ANALYSIS PARAMETERS

Method Name: C:\MSDCHEM\1\METHODS\BN210245.M

Percent Report Settings

Sort By: Retention Time

Output Destination
    Screen: No
    Printer: Yes
    File: No

Integration Events: Meth Default

Generate Report During Run Method: No

Signal Correlation Window: 0.020

Qualitative Report Settings

Peak Location of Unknown: Apex

Library to Search	Minimum Quality
C:\Database\NIST08.L	0

Integration Events: Meth Default

Report Type: Summary

Output Destination
    Screen: Yes
    Printer: No
    File: No

Generate Report During Run Method: No

Quantitative Report Settings

Report Type: Summary

Output Destination
    Screen: No
    Printer: No
    File: No

Generate Report During Run Method: Yes

Semivolatiles by GC/MS by modified 8270
Calibration Last Updated: Tue Nov 04 14:25:45 2025

Reference Window: 0.30 Minutes
Non-Reference Window: 0.30 Minutes
Correlation Window: 0.10 minutes
Default Multiplier: 1.00
Default Sample Concentration: 0.00

Compound Information

---

1) 1,4-Dichlorobenzene-D4 (ISTD TR)

Ret. Time 4.702 min., Extract & Integrate from 4.625 to 4.799 min.

Signal	Rel Resp.	Pct. Unc.(rel)	Integration
Tgt 152.10			*** METH DEFAULT ***
Q1 150.10	151.90	20.0	*** METH DEFAULT ***
Q2 115.10	57.40	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		40.000	60059
5		40.000	57635
10		40.000	58341
20		40.000	64120
50		40.000	68730
80		40.000	62725
100		40.000	54291
120		40.000	52447
160		40.000	50023
1		40.000	51711

Qualifier Peak Analysis ON ISTD conc: 40.000 ug/ml
Curve Fit: Avg. RF

---

2) 2-Fluorophenol ( )

Ret. Time 3.840 min., Extract & Integrate from 3.766 to 3.935 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 112.10			*** METH DEFAULT ***
Q1 64.20	57.80	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		10.000	14816
10		20.000	31479
20		40.000	68491
50		100.000	172205
80		160.000	269920
100		200.000	333422
120		240.000	386495
160		320.000	492349
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

3) Phenol-d6 ( )

Ret. Time 4.465 min., Extract & Integrate from 4.366 to 4.584 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 99.20			*** METH DEFAULT ***
Q1 71.20	40.10	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		10.000	24719

10	20.000	53599
20	40.000	116158
50	100.000	286868
80	160.000	443943
100	200.000	542786
120	240.000	624334
160	320.000	782097
1	not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

4) N-Nitrosodimethylamine ( )

Ret. Time 2.766 min., Extract & Integrate from 2.709 to 2.849 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	42.20			*** METH DEFAULT ***
Q1	74.20	114.80	20.0	*** METH DEFAULT ***
Q2	43.20	41.50	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	5377
10		10.000	10837
20		20.000	22268
50		50.000	54936
80		80.000	84840
100		100.000	101246
120		120.000	116489
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

5) Pyridine ( )

Ret. Time 2.791 min., Extract & Integrate from 2.733 to 2.971 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	79.20			*** METH DEFAULT ***
Q1	52.20	66.20	20.0	*** METH DEFAULT ***
Q2	51.20	36.50	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	11843
10		10.000	23833
20		20.000	54341
50		50.000	134979
80		80.000	209285
100		100.000	251473
120		120.000	289764
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

6) Aniline ( )

Ret. Time 4.491 min., Extract & Integrate from 4.440 to 4.585 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	93.20			*** METH DEFAULT ***
Q1	66.20	34.30	20.0	*** METH DEFAULT ***

Q2	95.10	0.00	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	16683
10		10.000	36365
20		20.000	79000
50		50.000	191513
80		80.000	298988
100		100.000	354270
120		120.000	406828
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

7) Phenol ( )

Ret. Time 4.476 min., Extract & Integrate from 4.400 to 4.526 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	94.20			*** METH DEFAULT ***
Q1	65.20	28.00	20.0	*** METH DEFAULT ***
Q2	66.20	41.20	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	5440
5		5.000	13991
10		10.000	29360
20		20.000	65191
50		50.000	160495
80		80.000	250182
100		100.000	301473
120		120.000	355647
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

8) Bis(2-chloroethyl)ether ( )

Ret. Time 4.535 min., Extract & Integrate from 4.461 to 4.620 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	63.10			*** METH DEFAULT ***
Q1	93.10	142.10	20.0	*** METH DEFAULT ***
Q2	95.10	45.30	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	7354
10		10.000	15380
20		20.000	32740
50		50.000	81856
80		80.000	120702
100		100.000	148440
120		120.000	169892
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

9) 2-Chlorophenol ( )

Ret. Time 4.568 min., Extract & Integrate from 4.499 to 4.652 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 128.10			*** METH DEFAULT ***
Q1 64.20	43.00	20.0	*** METH DEFAULT ***
Q2 130.10	33.20	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	10346
10		10.000	22678
20		20.000	48896
50		50.000	123952
80		80.000	193424
100		100.000	238099
120		120.000	278008
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

10) 1,3-Dichlorobenzene ( )

Ret. Time 4.668 min., Extract & Integrate from 4.598 to 4.731 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 146.10			*** METH DEFAULT ***
Q1 148.10	63.40	20.0	*** METH DEFAULT ***
Q2 111.10	41.00	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	11856
10		10.000	23701
20		20.000	51678
50		50.000	129475
80		80.000	195804
100		100.000	241642
120		120.000	277368
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

11) 1,4-Dichlorobenzene ( )

Ret. Time 4.712 min., Extract & Integrate from 4.648 to 4.786 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 146.10			*** METH DEFAULT ***
Q1 148.10	64.30	20.0	*** METH DEFAULT ***
Q2 111.10	40.00	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	12000
10		10.000	24902
20		20.000	51587
50		50.000	133215
80		80.000	201644
100		100.000	247085
120		120.000	284672
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON

Curve Fit: Avg. RF

12) 1,2-Dichlorobenzene ( )

Ret. Time 4.810 min., Extract & Integrate from 4.744 to 4.897 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 146.10			*** METH DEFAULT ***
Q1 148.10	63.70	20.0	*** METH DEFAULT ***
Q2 111.10	42.80	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	11129
10		10.000	22949
20		20.000	48432
50		50.000	125605
80		80.000	191025
100		100.000	237627
120		120.000	272020
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

13) 2- METHYLPHENOL ( )

Ret. Time 4.859 min., Extract & Integrate from 4.816 to 4.912 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 108.20			*** METH DEFAULT ***
Q1 107.20	86.80	20.0	*** METH DEFAULT ***
Q2 77.20	52.50	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	9944
10		10.000	20616
20		20.000	43924
50		50.000	110852
80		80.000	176858
100		100.000	214652
120		120.000	251677
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

14) 2,2'-oxybis(1-chloropropane) ( )

Ret. Time 4.874 min., Extract & Integrate from 4.819 to 4.942 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 45.20			*** METH DEFAULT ***
Q1 77.10	44.70	20.0	*** METH DEFAULT ***
Q2 121.10	22.40	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	12214
10		10.000	25445
20		20.000	52563
50		50.000	130906
80		80.000	194991
100		100.000	239471

120	120.000	271574
160	not used for this compound	
1	not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

15) Acetophenone ( )

Ret. Time 4.957 min., Extract & Integrate from 4.883 to 5.028 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 105.10			*** METH DEFAULT ***
Q1 77.20	125.80	20.0	*** METH DEFAULT ***
Q2 120.20	27.80	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	15155
10		10.000	31282
20		20.000	66683
50		50.000	159806
80		80.000	241207
100		100.000	297046
120		120.000	336235
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

16) 3/4- METHYLPHENOL ( )

Ret. Time 4.954 min., Extract & Integrate from 4.892 to 5.036 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 107.20			*** METH DEFAULT ***
Q1 108.20	90.10	20.0	*** METH DEFAULT ***
Q2 77.20	81.80	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		4.000	8605
5		10.000	23113
10		20.000	47905
20		40.000	104918
50		100.000	252959
80		160.000	388606
100		200.000	469722
120		240.000	535994
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

17) N-Nitroso-Di-N-Propylamine ( )

Ret. Time 4.959 min., Extract & Integrate from 4.900 to 5.045 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 70.20			*** METH DEFAULT ***
Q1 42.20	61.50	20.0	*** METH DEFAULT ***
Q2 101.20	11.60	20.0	*** METH DEFAULT ***
Q3 130.20	27.20	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	

5	5.000	7923
10	10.000	16449
20	20.000	34809
50	50.000	83128
80	80.000	124998
100	100.000	152531
120	120.000	172148
160	not used for this compound	
1	not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

18) Hexachloroethane ( )

Ret. Time 5.023 min., Extract & Integrate from 4.964 to 5.091 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 117.00			*** METH DEFAULT ***
Q1 200.90	79.30	20.0	*** METH DEFAULT ***
Q2 198.90	49.70	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	1833
5		5.000	4469
10		10.000	9470
20		20.000	19955
50		50.000	52072
80		80.000	78389
100		100.000	96839
120		120.000	111121
160	not used for this compound		
1	not used for this compound		

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

19) NAPHTHALENE-d8 (ISTD TR)

Ret. Time 5.502 min., Extract & Integrate from 5.426 to 5.587 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 136.20			*** METH DEFAULT ***
Q1 68.20	2.80	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		40.000	243422
5		40.000	230634
10		40.000	231832
20		40.000	264231
50		40.000	277939
80		40.000	255357
100		40.000	226173
120		40.000	224851
160		40.000	207836
1		40.000	205750

Qualifier Peak Analysis ON ISTD conc: 40.000 ug/ml
Curve Fit: Avg. RF

---

20) Nitrobenzene-d5 ( )

Ret. Time 5.054 min., Extract & Integrate from 4.997 to 5.126 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 82.20			*** METH DEFAULT ***
Q1 128.20	45.70	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	10864
10		10.000	23420
20		20.000	51264
50		50.000	126057
80		80.000	195846
100		100.000	241220
120		120.000	278380
160		160.000	357550
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

21) NITROBENZENE ( )

Ret. Time 5.067 min., Extract & Integrate from 4.998 to 5.145 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 77.20			*** METH DEFAULT ***
Q1 123.10	50.60	20.0	*** METH DEFAULT ***
Q2 65.20	14.50	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	11590
10		10.000	24276
20		20.000	52037
50		50.000	126281
80		80.000	197024
100		100.000	242353
120		120.000	279735
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

22) Isophorone ( )

Ret. Time 5.214 min., Extract & Integrate from 5.135 to 5.292 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 82.20			*** METH DEFAULT ***
Q1 95.20	6.80	20.0	*** METH DEFAULT ***
Q2 138.20	19.50	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	18892
10		10.000	41124
20		20.000	86531
50		50.000	218764
80		80.000	327457
100		100.000	406085
120		120.000	472003
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

23) 2-Nitrophenol ( )

Ret. Time 5.265 min., Extract & Integrate from 5.189 to 5.345 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 139.10			*** METH DEFAULT ***
Q1 109.10	23.60	20.0	*** METH DEFAULT ***
Q2 65.20	46.50	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	4836
10		10.000	10587
20		20.000	24750
50		50.000	64730
80		80.000	105421
100		100.000	130060
120		120.000	150879
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

24) 2,4-Dimethylphenol ( )

Ret. Time 5.283 min., Extract & Integrate from 5.212 to 5.372 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 122.20			*** METH DEFAULT ***
Q1 107.10	118.70	20.0	*** METH DEFAULT ***
Q2 121.20	61.50	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	9035
10		10.000	18554
20		20.000	39630
50		50.000	102711
80		80.000	158530
100		100.000	198406
120		120.000	233252
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

25) Bis(2-Chloroethoxy)methane ( )

Ret. Time 5.345 min., Extract & Integrate from 5.263 to 5.441 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 93.10			*** METH DEFAULT ***
Q1 95.10	32.20	20.0	*** METH DEFAULT ***
Q2 123.10	17.20	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	12834
10		10.000	26519
20		20.000	57221
50		50.000	143158
80		80.000	213531
100		100.000	266948
120		120.000	303411
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

26) Benzoic Acid ( )

Ret. Time 5.340 min., Extract & Integrate from 5.273 to 5.422 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 122.10			*** METH DEFAULT ***
Q1 105.10	115.40	20.0	*** METH DEFAULT ***
Q2 77.20	84.20	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		not used for this compound	
10		10.000	9276
20		20.000	22289
50		50.000	65282
80		80.000	109398
100		100.000	145062
120		not used for this compound	
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

27) 2,4-Dichlorophenol ( )

Ret. Time 5.412 min., Extract & Integrate from 5.357 to 5.486 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 162.00			*** METH DEFAULT ***
Q1 164.00	64.30	20.0	*** METH DEFAULT ***
Q2 98.10	36.30	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	7658
10		10.000	17148
20		20.000	38528
50		50.000	98405
80		80.000	157576
100		100.000	196344
120		120.000	228035
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

28) 1,2,4-Trichlorobenzene ( )

Ret. Time 5.466 min., Extract & Integrate from 5.368 to 5.540 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 180.00			*** METH DEFAULT ***
Q1 182.00	94.00	20.0	*** METH DEFAULT ***
Q2 145.00	30.20	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	9267
10		10.000	18783
20		20.000	40804
50		50.000	104313
80		80.000	162569
100		100.000	203168
120		120.000	234588

160 not used for this compound
1 not used for this compound

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

29) Naphthalene ( )

Ret. Time 5.517 min., Extract & Integrate from 5.445 to 5.593 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 128.20			*** METH DEFAULT ***
Q1 129.20	11.10	20.0	*** METH DEFAULT ***
Q2 127.20	14.20	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	13010
5		5.000	32095
10		10.000	66303
20		20.000	138954
50		50.000	343621
80		80.000	532234
100		100.000	656394
120		120.000	758954
160		not used for this compound	
1		1.000	6198

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

30) 4-Chloroaniline ( )

Ret. Time 5.545 min., Extract & Integrate from 5.477 to 5.636 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 127.10			*** METH DEFAULT ***
Q1 129.10	31.90	20.0	*** METH DEFAULT ***
Q2 65.20	27.60	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	12746
10		10.000	28742
20		20.000	63217
50		50.000	154598
80		80.000	236355
100		100.000	290192
120		120.000	326015
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

31) Hexachlorobutadiene ( )

Ret. Time 5.592 min., Extract & Integrate from 5.504 to 5.697 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 224.90			*** METH DEFAULT ***
Q1 222.90	63.60	20.0	*** METH DEFAULT ***
Q2 226.90	64.80	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	1749
5		5.000	4531
10		10.000	9573

20	20.000	20526
50	50.000	55186
80	80.000	84311
100	100.000	103709
120	120.000	122740
160	not used for this compound	
1	not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

32) 4-Chloro-3-Methylphenol ( )

Ret. Time 5.841 min., Extract & Integrate from 5.778 to 5.909 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 107.10			*** METH DEFAULT ***
Q1 144.10	28.60	20.0	*** METH DEFAULT ***
Q2 142.10	88.40	20.0	*** METH DEFAULT ***

Lvl ID	Conc (ug/ml)	Response
2	not used for this compound	
5	5.000	8260
10	10.000	18126
20	20.000	40666
50	50.000	101159
80	80.000	160977
100	100.000	204181
120	120.000	234288
160	not used for this compound	
1	not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

33) 2-MethylNaphthalene ( )

Ret. Time 5.944 min., Extract & Integrate from 5.888 to 5.991 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 142.20			*** METH DEFAULT ***
Q1 141.20	86.60	20.0	*** METH DEFAULT ***
Q2 115.20	32.60	20.0	*** METH DEFAULT ***

Lvl ID	Conc (ug/ml)	Response
2	2.000	8349
5	5.000	21207
10	10.000	45034
20	20.000	96298
50	50.000	237899
80	80.000	367350
100	100.000	457688
120	120.000	527819
160	not used for this compound	
1	1.000	4112

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

34) 1-Methylnaphthalene ( )

Ret. Time 6.006 min., Extract & Integrate from 5.939 to 6.091 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 142.20			*** METH DEFAULT ***
Q1 141.20	89.00	20.0	*** METH DEFAULT ***
Q2 115.10	34.10	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	7589
5		5.000	20256
10		10.000	42138
20		20.000	89521
50		50.000	221161
80		80.000	346824
100		100.000	436968
120		120.000	504181
160		not used for this compound	
1		1.000	3907

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

35) ACENAPHTHENE-D10 (ISTD TR)

Ret. Time 6.592 min., Extract & Integrate from 6.504 to 6.698 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	164.20			*** METH DEFAULT ***
Q1	162.20	95.50	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		40.000	135023
5		40.000	130342
10		40.000	129861
20		40.000	146893
50		40.000	156569
80		40.000	144353
100		40.000	132560
120		40.000	133676
160		40.000	115480
1		40.000	113474

Qualifier Peak Analysis ON ISTD conc: 40.000 ug/ml
Curve Fit: Avg. RF

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36) 2-Fluorobiphenyl ( )

Ret. Time 6.168 min., Extract & Integrate from 6.083 to 6.258 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	172.20			*** METH DEFAULT ***
Q1	170.10	22.30	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	20558
10		10.000	43722
20		20.000	94038
50		50.000	238578
80		80.000	367526
100		100.000	462716
120		120.000	534208
160		160.000	672067
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

37) 2,4,6-Tribromophenol ( )

Ret. Time 7.081 min., Extract & Integrate from 6.982 to 7.207 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration

Tgt	329.80			*** METH DEFAULT ***
Q1	331.80	98.00	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		10.000	4264
10		20.000	9986
20		40.000	23239
50		100.000	65961
80		160.000	105864
100		200.000	133473
120		240.000	163606
160		320.000	204260
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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38) Hexachlorocyclopentadiene ( )

Ret. Time 6.042 min., Extract & Integrate from 5.953 to 6.148 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	236.90			*** METH DEFAULT ***
Q1	234.90	63.50	20.0	*** METH DEFAULT ***
Q2	271.90	13.10	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	3955
10		10.000	9226
20		20.000	21224
50		50.000	61823
80		80.000	98680
100		100.000	126200
120		120.000	149410
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

39) 1,2,4,5-Tetrachlorobenzene ( )

Ret. Time 6.049 min., Extract & Integrate from 5.990 to 6.125 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	216.00			*** METH DEFAULT ***
Q1	214.00	78.20	20.0	*** METH DEFAULT ***
Q2	179.00	21.00	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	3462
5		5.000	8812
10		10.000	17974
20		20.000	39804
50		50.000	103513
80		80.000	162384
100		100.000	206647
120		120.000	237528
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

40) 2,4,6-Trichlorophenol ( )

Ret. Time 6.116 min., Extract & Integrate from 6.057 to 6.160 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	196.00			*** METH DEFAULT ***
Q1	198.00	95.70	20.0	*** METH DEFAULT ***
Q2	200.00	30.30	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	5229
10		10.000	11927
20		20.000	26510
50		50.000	69761
80		80.000	110985
100		100.000	141760
120		120.000	168676
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

41) 2,4,5-Trichlorophenol ( )

Ret. Time 6.139 min., Extract & Integrate from 6.083 to 6.260 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	196.00			*** METH DEFAULT ***
Q1	198.00	88.90	20.0	*** METH DEFAULT ***
Q2	200.00	28.10	20.0	*** METH DEFAULT ***
Q3	200.00	28.10	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	5543
10		10.000	12614
20		20.000	27604
50		50.000	73796
80		80.000	115926
100		100.000	149170
120		120.000	174531
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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42) 2-ChloroNaphthalene ( )

Ret. Time 6.250 min., Extract & Integrate from 6.178 to 6.357 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	162.10			*** METH DEFAULT ***
Q1	127.10	38.10	20.0	*** METH DEFAULT ***
Q2	164.10	33.50	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	22937
10		10.000	48416
20		20.000	103481
50		50.000	249751
80		80.000	406778
100		100.000	502934
120		120.000	581853
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

43) 2-Nitroaniline ( )

Ret. Time 6.307 min., Extract & Integrate from 6.220 to 6.394 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 65.20			*** METH DEFAULT ***
Q1 92.20	70.30	20.0	*** METH DEFAULT ***
Q2 138.10	121.80	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	5298
10		10.000	11638
20		20.000	26734
50		50.000	66669
80		80.000	107579
100		100.000	133391
120		120.000	155745
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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44) 1,1-Biphenyl ( )

Ret. Time 6.232 min., Extract & Integrate from 6.032 to 6.432 min.

Signal	Rel Resp.	Pct. Unc.(rel)	Integration
Tgt 154.20			*** METH DEFAULT ***
Q1 153.20	41.20	20.0	*** METH DEFAULT ***
Q2 152.20	27.50	20.0	*** METH DEFAULT ***
Q3 76.20	14.60	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	9778
5		5.000	24534
10		10.000	51031
20		20.000	109479
50		50.000	273525
80		80.000	415350
100		100.000	526730
120		120.000	609129
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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45) DIMETHYL PHTHALATE ( )

Ret. Time 6.412 min., Extract & Integrate from 6.321 to 6.513 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 163.10			*** METH DEFAULT ***
Q1 194.10	6.00	20.0	*** METH DEFAULT ***
Q2 164.10	10.40	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	8056
5		5.000	20557
10		10.000	42097
20		20.000	91646

50	50.000	232801
80	80.000	354424
100	100.000	437973
120	120.000	521413
160	not used for this compound	
1	not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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46) 2,6-DinitroToluene ( )

Ret. Time 6.453 min., Extract & Integrate from 6.376 to 6.535 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 165.10			*** METH DEFAULT ***
Q1 63.20	55.40	20.0	*** METH DEFAULT ***
Q2 89.20	54.90	20.0	*** METH DEFAULT ***

Lvl ID	Conc (ug/ml)	Response
2	not used for this compound	
5	5.000	3838
10	10.000	9085
20	20.000	20581
50	50.000	54815
80	80.000	86009
100	100.000	108941
120	120.000	130165
160	not used for this compound	
1	not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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47) Acenaphthylene ( )

Ret. Time 6.505 min., Extract & Integrate from 6.396 to 6.596 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 152.20			*** METH DEFAULT ***
Q1 151.20	21.00	20.0	*** METH DEFAULT ***
Q2 153.10	13.10	20.0	*** METH DEFAULT ***

Lvl ID	Conc (ug/ml)	Response
2	2.000	11685
5	5.000	29992
10	10.000	64659
20	20.000	138861
50	50.000	351462
80	80.000	542536
100	100.000	684358
120	120.000	790152
160	not used for this compound	
1	1.000	5863

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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48) 3-Nitroaniline ( )

Ret. Time 6.561 min., Extract & Integrate from 6.511 to 6.617 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 138.10			*** METH DEFAULT ***
Q1 108.10	9.40	20.0	*** METH DEFAULT ***
Q2 92.20	105.60	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	4900
10		10.000	11748
20		20.000	26662
50		50.000	68163
80		80.000	105152
100		100.000	128414
120		120.000	151823
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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49) Acenaphthene ( )

Ret. Time 6.613 min., Extract & Integrate from 6.534 to 6.711 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	154.20			*** METH DEFAULT ***
Q1	153.20	97.80	20.0	*** METH DEFAULT ***
Q2	152.20	48.00	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	7874
5		5.000	20439
10		10.000	43101
20		20.000	91986
50		50.000	234469
80		80.000	361963
100		100.000	457705
120		120.000	531298
160		not used for this compound	
1		1.000	3959

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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50) 2,4-Dinitrophenol ( )

Ret. Time 6.623 min., Extract & Integrate from 6.522 to 6.715 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	184.10			*** METH DEFAULT ***
Q1	63.20	59.20	20.0	*** METH DEFAULT ***
Q2	154.10	0.00	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		not used for this compound	
10		10.000	2811
20		20.000	8084
50		50.000	27787
80		80.000	52269
100		100.000	66110
120		120.000	87694
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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51) 4-Nitrophenol ( )

Ret. Time 6.654 min., Extract & Integrate from 6.591 to 6.748 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	109.10			*** METH DEFAULT ***
Q1	139.10	180.60	20.0	*** METH DEFAULT ***
Q2	65.20	156.10	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	1893
10		10.000	4605
20		20.000	11088
50		50.000	28940
80		80.000	48002
100		100.000	59374
120		120.000	72573
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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52) Dibenzofuran ( )

Ret. Time 6.718 min., Extract & Integrate from 6.652 to 6.793 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	168.10			*** METH DEFAULT ***
Q1	139.10	36.80	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	11071
5		5.000	27679
10		10.000	56560
20		20.000	120262
50		50.000	302327
80		80.000	466118
100		100.000	586002
120		120.000	678372
160		not used for this compound	
1		1.000	5446

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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53) 2,4-Dinitrotoluene ( )

Ret. Time 6.703 min., Extract & Integrate from 6.647 to 6.769 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	165.10			*** METH DEFAULT ***
Q1	63.20	44.10	20.0	*** METH DEFAULT ***
Q2	89.20	76.60	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	5390
10		10.000	12011
20		20.000	27946
50		50.000	73923
80		80.000	117246
100		100.000	142653
120		120.000	176665
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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54) DIETHYL PHTHALATE ( )

Ret. Time 6.849 min., Extract & Integrate from 6.774 to 6.932 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	149.10			*** METH DEFAULT ***
Q1	177.10	21.40	20.0	*** METH DEFAULT ***
Q2	150.10	12.50	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	19373
10		10.000	40619
20		20.000	86705
50		50.000	224985
80		80.000	327112
100		100.000	403426
120		120.000	486508
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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55) 4-Chlorophenyl phenyl ether ( )

Ret. Time 6.924 min., Extract & Integrate from 6.869 to 6.990 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	204.10			*** METH DEFAULT ***
Q1	206.10	33.70	20.0	*** METH DEFAULT ***
Q2	141.10	59.00	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	9783
10		10.000	19282
20		20.000	42598
50		50.000	111039
80		80.000	167202
100		100.000	212362
120		120.000	251223
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

56) Flourene ( )

Ret. Time 6.931 min., Extract & Integrate from 6.881 to 7.000 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	166.20			*** METH DEFAULT ***
Q1	165.10	91.40	20.0	*** METH DEFAULT ***
Q2	167.20	13.60	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	8975
5		5.000	22644
10		10.000	46560
20		20.000	102064
50		50.000	257855
80		80.000	396972
100		100.000	491739
120		120.000	580149
160		not used for this compound	
1		1.000	4316

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

57) 4-Nitroaniline ( )

Ret. Time 6.939 min., Extract & Integrate from 6.877 to 7.024 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 138.10			*** METH DEFAULT ***
Q1 65.20	92.90	20.0	*** METH DEFAULT ***
Q2 108.10	58.90	20.0	*** METH DEFAULT ***

Lvl ID	Conc (ug/ml)	Response
2	not used for this compound	
5	5.000	5577
10	10.000	12679
20	20.000	27926
50	50.000	72508
80	80.000	117048
100	100.000	145317
120	120.000	175195
160	not used for this compound	
1	not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

58) PHENANTHRENE-D10 (ISTD TR)

Ret. Time 7.513 min., Extract & Integrate from 7.440 to 7.588 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 188.20			*** METH DEFAULT ***
Q1 94.20	6.30	20.0	*** METH DEFAULT ***
Q2 80.20	6.80	20.0	*** METH DEFAULT ***

Lvl ID	Conc (ug/ml)	Response
2	40.000	219096
5	40.000	211805
10	40.000	207852
20	40.000	234309
50	40.000	252852
80	40.000	231840
100	40.000	205906
120	40.000	216468
160	40.000	184574
1	40.000	187235

Qualifier Peak Analysis ON ISTD conc: 40.000 ug/ml
Curve Fit: Avg. RF

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59) 4,6-Dinitro-2-Methylphenol ( )

Ret. Time 6.957 min., Extract & Integrate from 6.909 to 7.037 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 198.10			*** METH DEFAULT ***
Q1 51.20	44.70	20.0	*** METH DEFAULT ***
Q2 105.10	46.00	20.0	*** METH DEFAULT ***

Lvl ID	Conc (ug/ml)	Response
2	not used for this compound	
5	not used for this compound	
10	10.000	4876
20	20.000	13242
50	50.000	41970

80	80.000	72062
100	100.000	90479
120	120.000	114059
160	not used for this compound	
1	not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Linear

---

60) N-Nitrosodiphenylamine ( )

Ret. Time 6.996 min., Extract & Integrate from 6.950 to 7.052 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 169.20			*** METH DEFAULT ***
Q1 168.20	64.60	20.0	*** METH DEFAULT ***
Q2 167.20	34.50	20.0	*** METH DEFAULT ***

Lvl ID	Conc (ug/ml)	Response
2	not used for this compound	
5	4.270	14960
10	8.540	31547
20	17.070	68276
50	42.680	173484
80	68.280	266990
100	85.350	328353
120	102.420	396030
160	not used for this compound	
1	not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

61) 1,2-Diphenylhydrazine ( )

Ret. Time 7.024 min., Extract & Integrate from 6.970 to 7.102 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 77.20			*** METH DEFAULT ***
Q1 51.20	29.10	20.0	*** METH DEFAULT ***
Q2 182.20	26.60	20.0	*** METH DEFAULT ***

Lvl ID	Conc (ug/ml)	Response
2	not used for this compound	
5	5.000	22792
10	10.000	47075
20	20.000	97065
50	50.000	246175
80	80.000	359427
100	100.000	442800
120	120.000	520248
160	not used for this compound	
1	not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

62) 4-Bromophenyl phenyl ether ( )

Ret. Time 7.227 min., Extract & Integrate from 7.178 to 7.300 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 248.00			*** METH DEFAULT ***
Q1 250.00	98.80	20.0	*** METH DEFAULT ***
Q2 141.10	74.00	20.0	*** METH DEFAULT ***

Lvl ID	Conc (ug/ml)	Response

2	not used for this compound	
5	5.000	5135
10	10.000	11103
20	20.000	23732
50	50.000	64447
80	80.000	99069
100	100.000	124665
120	120.000	150559
160	not used for this compound	
1	not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

63) Hexachlorobenzene ( )

Ret. Time 7.274 min., Extract & Integrate from 7.210 to 7.351 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	283.90			*** METH DEFAULT ***
Q1	142.00	42.00	20.0	*** METH DEFAULT ***
Q2	248.90	29.20	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	2433
5		5.000	5828
10		10.000	12126
20		20.000	26582
50		50.000	71163
80		80.000	112041
100		100.000	139885
120		120.000	170718
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

64) Pentachlorophenol ( )

Ret. Time 7.392 min., Extract & Integrate from 7.312 to 7.516 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	265.90			*** METH DEFAULT ***
Q1	263.90	62.40	20.0	*** METH DEFAULT ***
Q2	267.90	62.90	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		not used for this compound	
10		10.000	6276
20		20.000	15763
50		50.000	47427
80		80.000	77719
100		100.000	100766
120		120.000	125293
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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65) Pentachloronitrobenzene ( )

Ret. Time 7.402 min., Extract & Integrate from 7.335 to 7.481 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration

Tgt	294.90			*** METH DEFAULT ***
Q1	236.90	225.30	20.0	*** METH DEFAULT ***
Q2	213.90	150.60	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	870
10		10.000	1961
20		20.000	4559
50		50.000	13001
80		80.000	19993
100		100.000	24963
120		120.000	31505
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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66) Phenanthrene ( )

Ret. Time 7.528 min., Extract & Integrate from 7.472 to 7.592 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	178.20			*** METH DEFAULT ***
Q1	179.20	15.50	20.0	*** METH DEFAULT ***
Q2	176.10	19.00	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	13199
5		5.000	32328
10		10.000	67217
20		20.000	141314
50		50.000	351765
80		80.000	546309
100		100.000	659121
120		120.000	806648
160		not used for this compound	
1		1.000	7052

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

67) Anthracene ( )

Ret. Time 7.562 min., Extract & Integrate from 7.511 to 7.629 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	178.20			*** METH DEFAULT ***
Q1	176.10	18.30	20.0	*** METH DEFAULT ***
Q2	179.20	15.50	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	12500
5		5.000	32492
10		10.000	67757
20		20.000	143895
50		50.000	369240
80		80.000	560020
100		100.000	683674
120		120.000	836182
160		not used for this compound	
1		1.000	6346

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

68) Carbazole ( )

Ret. Time 7.657 min., Extract & Integrate from 7.567 to 7.773 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	167.20			*** METH DEFAULT ***
Q1	166.20	21.90	20.0	*** METH DEFAULT ***
Q2	139.10	13.50	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	11308
5		5.000	29528
10		10.000	61168
20		20.000	135723
50		50.000	345968
80		80.000	534265
100		100.000	662117
120		120.000	809463
160		not used for this compound	
1		1.000	5556

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

69) Di-N-Butyl Phthalate ( )

Ret. Time 7.873 min., Extract & Integrate from 7.796 to 7.956 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	149.10			*** METH DEFAULT ***
Q1	150.10	9.30	20.0	*** METH DEFAULT ***
Q2	104.10	5.20	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	25888
10		10.000	56287
20		20.000	130087
50		50.000	378402
80		80.000	516995
100		100.000	639547
120		120.000	788111
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

70) Flouranthene ( )

Ret. Time 8.366 min., Extract & Integrate from 8.282 to 8.453 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	202.20			*** METH DEFAULT ***
Q1	101.20	16.20	20.0	*** METH DEFAULT ***
Q2	203.20	17.50	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	11448
5		5.000	29503
10		10.000	61912
20		20.000	140473
50		50.000	378572
80		80.000	584051
100		100.000	734570
120		120.000	902349
160		not used for this compound	
1		1.000	6047

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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71) CHRYSENE-D12 (ISTD TR)

Ret. Time 9.915 min., Extract & Integrate from 9.812 to 10.023 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 240.20			*** METH DEFAULT ***
Q1 236.20	24.90	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		40.000	171008
5		40.000	165122
10		40.000	164446
20		40.000	209217
50		40.000	243698
80		40.000	233617
100		40.000	210996
120		40.000	222361
160		40.000	192426
1		40.000	150482

Qualifier Peak Analysis ON ISTD conc: 40.000 ug/ml
Curve Fit: Avg. RF

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72) p-Terphenyl-d14 ( )

Ret. Time 8.690 min., Extract & Integrate from 8.593 to 8.787 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 244.20			*** METH DEFAULT ***
Q1 245.30	19.70	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	16625
10		10.000	34878
20		20.000	83132
50		50.000	240114
80		80.000	360821
100		100.000	452049
120		120.000	563747
160		160.000	704837
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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73) Benzidine ( )

Ret. Time 8.467 min., Extract & Integrate from 8.371 to 8.629 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 184.20			*** METH DEFAULT ***
Q1 92.10	6.60	20.0	*** METH DEFAULT ***
Q2 185.20	13.90	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	3453
5		5.000	10510
10		10.000	23734
20		20.000	60651
50		50.000	142309
80		80.000	199461
100		not used for this compound	

120 not used for this compound
160 not used for this compound
1 not used for this compound

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

74) Pyrene ( )

Ret. Time 8.562 min., Extract & Integrate from 8.453 to 8.668 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	202.20			*** METH DEFAULT ***
Q1	200.10	20.10	20.0	*** METH DEFAULT ***
Q2	203.20	18.10	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	12018
5		5.000	31833
10		10.000	65849
20		20.000	150679
50		50.000	401463
80		80.000	626155
100		100.000	784523
120		120.000	959044
160		not used for this compound	
1		1.000	6134

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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75) Butylbenzyl phthalate ( )

Ret. Time 9.197 min., Extract & Integrate from 9.120 to 9.292 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	149.10			*** METH DEFAULT ***
Q1	91.20	62.50	20.0	*** METH DEFAULT ***
Q2	206.10	20.20	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	9680
10		10.000	21081
20		20.000	53277
50		50.000	173861
80		80.000	247565
100		100.000	307900
120		120.000	382731
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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76) 3,3'-Dichlorobenzidine ( )

Ret. Time 9.868 min., Extract & Integrate from 9.767 to 9.997 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	252.10			*** METH DEFAULT ***
Q1	254.10	66.10	20.0	*** METH DEFAULT ***
Q2	126.10	13.80	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	7129

10	10.000	16229
20	20.000	43457
50	50.000	127224
80	80.000	205312
100	100.000	257245
120	120.000	293108
160	not used for this compound	
1	not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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77) Benzo(a)anthracene ( )

Ret. Time 9.902 min., Extract & Integrate from 9.819 to 9.980 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 228.20			*** METH DEFAULT ***
Q1 229.20	18.90	20.0	*** METH DEFAULT ***
Q2 226.10	24.90	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	10577
5		5.000	26277
10		10.000	55302
20		20.000	135409
50		50.000	388979
80		80.000	626891
100		100.000	788930
120		120.000	948650
160		not used for this compound	
1		1.000	5489

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

78) Chrysene ( )

Ret. Time 9.953 min., Extract & Integrate from 9.888 to 10.055 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 228.20			*** METH DEFAULT ***
Q1 226.10	28.10	20.0	*** METH DEFAULT ***
Q2 229.20	18.90	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	10551
5		5.000	25933
10		10.000	55095
20		20.000	134299
50		50.000	373886
80		80.000	611491
100		100.000	758720
120		120.000	920131
160		not used for this compound	
1		1.000	5793

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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79) Bis(2-ethylhexyl)phthalate ( )

Ret. Time 9.976 min., Extract & Integrate from 9.886 to 10.070 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 149.10			*** METH DEFAULT ***
Q1 167.10	30.20	20.0	*** METH DEFAULT ***

Q2 279.20 7.30 20.0 *** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	3481
5		5.000	10309
10		10.000	24027
20		20.000	63657
50		50.000	229132
80		80.000	304346
100		100.000	374367
120		120.000	464786
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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80) PERYLENE-D12 (ISTD TR)

Ret. Time 12.360 min., Extract & Integrate from 12.230 to 12.490 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	264.20			*** METH DEFAULT ***
Q1	260.20	21.90	20.0	*** METH DEFAULT ***
Q2	265.20	22.30	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		40.000	188242
5		40.000	181074
10		40.000	176334
20		40.000	235284
50		40.000	256883
80		40.000	253232
100		40.000	229246
120		40.000	226415
160		40.000	197909
1		40.000	167070

Qualifier Peak Analysis ON ISTD conc: 40.000 ug/ml
Curve Fit: Avg. RF

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81) Di-n-octylphthalate ( )

Ret. Time 11.072 min., Extract & Integrate from 10.960 to 11.202 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	149.10			*** METH DEFAULT ***
Q1	167.10	1.70	20.0	*** METH DEFAULT ***
Q2	43.20	8.10	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		not used for this compound	
10		10.000	30699
20		20.000	92258
50		50.000	363434
80		80.000	512041
100		100.000	637981
120		120.000	780035
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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82) Benzo(b)fluoranthene ( )

Ret. Time 11.653 min., Extract & Integrate from 11.549 to 11.718 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 252.20			*** METH DEFAULT ***
Q1 253.20	22.20	20.0	*** METH DEFAULT ***
Q2 125.10	14.50	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	9181
5		5.000	25170
10		10.000	53187
20		20.000	135834
50		50.000	385612
80		80.000	658784
100		100.000	836572
120		120.000	976143
160		not used for this compound	
1		1.000	4994

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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83) Benzo(k)fluoranthene ( )

Ret. Time 11.704 min., Extract & Integrate from 11.637 to 11.816 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 252.10			*** METH DEFAULT ***
Q1 253.10	20.70	20.0	*** METH DEFAULT ***
Q2 126.10	19.40	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	9496
5		5.000	22820
10		10.000	54386
20		20.000	141883
50		50.000	394207
80		80.000	653658
100		100.000	824203
120		120.000	954750
160		not used for this compound	
1		1.000	4774

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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84) Benzo(a)pyrene ( )

Ret. Time 12.252 min., Extract & Integrate from 12.125 to 12.384 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 252.20			*** METH DEFAULT ***
Q1 253.20	20.40	20.0	*** METH DEFAULT ***
Q2 125.10	14.00	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	8630
5		5.000	22318
10		10.000	49456
20		20.000	130396
50		50.000	366047
80		80.000	624233
100		100.000	782461
120		120.000	908195
160		not used for this compound	
1		1.000	4291

Qualifier Peak Analysis ON

Curve Fit: Avg. RF

85) Indeno(1,2,3-cd)pyrene ( )

Ret. Time 14.314 min., Extract & Integrate from 14.225 to 14.439 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 276.10			*** METH DEFAULT ***
Q1 138.10	25.00	20.0	*** METH DEFAULT ***
Q2 277.10	24.10	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	7898
5		5.000	20442
10		10.000	43978
20		20.000	113470
50		50.000	316523
80		80.000	543374
100		100.000	701304
120		120.000	801819
160	not used for this compound		
1		1.000	3934

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

86) Dibenz(a,h)anthracene ( )

Ret. Time 14.361 min., Extract & Integrate from 14.289 to 14.505 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 278.20			*** METH DEFAULT ***
Q1 139.10	21.10	20.0	*** METH DEFAULT ***
Q2 279.20	23.50	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	8095
5		5.000	21831
10		10.000	45614
20		20.000	120643
50		50.000	337137
80		80.000	575918
100		100.000	738296
120		120.000	840810
160	not used for this compound		
1		1.000	4079

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

87) Benzo(g,h,i)perylene ( )

Ret. Time 14.687 min., Extract & Integrate from 14.570 to 14.803 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 276.10			*** METH DEFAULT ***
Q1 138.10	25.60	20.0	*** METH DEFAULT ***
Q2 277.10	23.20	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	8774
5		5.000	23754
10		10.000	49955
20		20.000	130871
50		50.000	347932
80		80.000	581085
100		100.000	757074

120	120.000	860846
160	not used for this compound	
1	1.000	4441

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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88) 1,4-Dichlorobenzene-D4 (2) (ISTD)

Ret. Time 4.702 min., Extract & Integrate from 4.502 to 4.902 min.

Signal	Rel Resp.	Pct. Unc.(rel)	Integration
Tgt 152.00			*** METH DEFAULT ***
Q1 150.00	157.50	20.0	*** METH DEFAULT ***
Q2 115.00	56.30	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		40.000	-1
5		40.000	55773
10		40.000	58625
20		40.000	55480
50		40.000	54249
80		40.000	57177
100		40.000	57822
120		40.000	-1
160	not used for this compound		
1		40.000	-1

Qualifier Peak Analysis ON ISTD conc: 40.000 ug/ml
Curve Fit: Avg. RF

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89) 1,4-Dioxane ( )

Ret. Time 2.465 min., Extract & Integrate from 2.265 to 2.665 min.

Signal	Rel Resp.	Pct. Unc.(rel)	Integration
Tgt 88.10			*** METH DEFAULT ***
Q1 58.10	63.50	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	-1
5		5.000	5351
10		10.000	10120
20		20.000	21084
50		50.000	43085
80		80.000	68352
100		100.000	90125
120		120.000	-1
160	not used for this compound		
1		1.000	-1

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

90) Benzaldehyde ( )

Ret. Time 4.422 min., Extract & Integrate from 4.222 to 4.622 min.

Signal	Rel Resp.	Pct. Unc.(rel)	Integration
Tgt 106.10			*** METH DEFAULT ***
Q1 105.10	99.30	20.0	*** METH DEFAULT ***
Q2 77.10	101.60	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	-1
5		5.000	9691
10		10.000	18939

20	20.000	42809
50	50.000	86996
80	80.000	139945
100	100.000	181132
120	120.000	-1
160	not used for this compound	
1	1.000	-1

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

91) Benzyl Alcohol ( )

Ret. Time 4.787 min., Extract & Integrate from 4.587 to 4.987 min.

Signal	Rel Resp.	Pct. Unc.(rel)	Integration
Tgt 108.10			*** METH DEFAULT ***
Q1 79.10	121.60	20.0	*** METH DEFAULT ***
Q2 77.10	77.60	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	-1
5		5.000	5877
10		10.000	13267
20		20.000	29901
50		50.000	64019
80		80.000	107983
100		100.000	144437
120		120.000	-1
160		not used for this compound	
1		1.000	-1

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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92) NAPHTHALENE-d8 (2) (ISTD)

Ret. Time 5.502 min., Extract & Integrate from 5.302 to 5.702 min.

Signal	Rel Resp.	Pct. Unc.(rel)	Integration
Tgt 136.10			*** METH DEFAULT ***
Q1 68.10	7.90	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		40.000	-1
5		40.000	221328
10		40.000	234407
20		40.000	228369
50		40.000	217054
80		40.000	231007
100		40.000	235784
120		40.000	-1
160		not used for this compound	
1		40.000	-1

Qualifier Peak Analysis ON ISTD conc: 40.000 ug/ml
Curve Fit: Avg. RF

---

93) 2,6-Dichlorophenol ( )

Ret. Time 5.551 min., Extract & Integrate from 5.351 to 5.751 min.

Signal	Rel Resp.	Pct. Unc.(rel)	Integration
Tgt 162.00			*** METH DEFAULT ***
Q1 164.00	64.30	20.0	*** METH DEFAULT ***
Q2 63.10	56.40	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	-1
5		5.000	9028
10		10.000	19005
20		20.000	41297
50		50.000	86134
80		80.000	142710
100		100.000	190861
120		120.000	-1
160		not used for this compound	
1		1.000	-1

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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94) Caprolactam ( )

Ret. Time 5.754 min., Extract & Integrate from 5.554 to 5.954 min.

Signal	Rel Resp.	Pct. Unc.(rel)	Integration
Tgt 113.10			*** METH DEFAULT ***
Q1 55.10	131.60	20.0	*** METH DEFAULT ***
Q2 56.10	96.40	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	-1
5		5.000	3332
10		10.000	6909
20		20.000	14908
50		50.000	34671
80		80.000	54526
100		100.000	71183
120		120.000	-1
160		not used for this compound	
1		1.000	-1

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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95) ACENAPHTHENE-D10 (2) (ISTD)

Ret. Time 6.592 min., Extract & Integrate from 6.392 to 6.792 min.

Signal	Rel Resp.	Pct. Unc.(rel)	Integration
Tgt 164.10			*** METH DEFAULT ***
Q1 162.10	93.00	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		40.000	-1
5		40.000	125583
10		40.000	135792
20		40.000	121117
50		40.000	121260
80		40.000	130049
100		40.000	130920
120		40.000	-1
160		not used for this compound	
1		40.000	-1

Qualifier Peak Analysis ON ISTD conc: 40.000 ug/ml
Curve Fit: Avg. RF

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96) Biphenyl ( )

CMR - 11-18-25
on review removed
See compound #44
is a duplicate of same
compound.

Ret. Time 6.229 min., Extract & Integrate from 6.029 to 6.430 min.

Signal Rel Resp. Pct. Unc.(rel) Integration

Tgt	154.10			*** METH DEFAULT ***
Q1	153.10	41.60	20.0	*** METH DEFAULT ***
Q2	152.10	27.20	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	-1
5		5.000	27273
10		10.000	55780
20		20.000	114884
50		50.000	238400
80		80.000	387666
100		100.000	508356
120		120.000	-1
160		not used for this compound	
1		1.000	-1

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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97) 2,3,4,6-Tetrachlorophenol ( )

Ret. Time 6.790 min., Extract & Integrate from 6.590 to 6.990 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	229.90			*** METH DEFAULT ***
Q1	231.90	131.80	20.0	*** METH DEFAULT ***
Q2	131.00	62.50	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	-1
5		5.000	4022
10		10.000	8196
20		20.000	17103
50		50.000	38825
80		80.000	65001
100		100.000	85818
120		120.000	-1
160		not used for this compound	
1		1.000	-1

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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98) Atrazine ( )

Ret. Time 7.320 min., Extract & Integrate from 7.120 to 7.520 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	200.10			*** METH DEFAULT ***
Q1	215.10	55.30	20.0	*** METH DEFAULT ***
Q2	216.10	7.70	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	-1
5		5.000	5199
10		10.000	10465
20		20.000	20814
50		50.000	46698
80		80.000	74151
100		100.000	98828
120		120.000	-1
160		not used for this compound	
1		1.000	-1

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

END OF DATA ANALYSIS PARAMETERS

Tue Nov 04 15:24:07 2025

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Instrument ID:	GCMSSV2	Calibration:	2500833
Lab File ID:	B25S297023.D	Calibration Date:	10/24/25 00:00
Sequence:	S128430	Injection Date:	10/24/25
Lab Sample ID:	S128430-ICV1	Injection Time:	16:42

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
2,3,4,6-Tetrachlorophenol	A	50.00	44.2	0.2580526	0.228247		-11.6	30	
Atrazine	A	50.00	44.8	0.3130468	0.2807494		-10.3	30	
Benzaldehyde	A	50.00	31.8	1.330872	0.8454343		-36.5	30	*
Biphenyl	A	50.00	44.9	1.495152	1.343885		-10.1	30	
Caprolactam	A	50.00	44.0	0.1225767	0.1077891		-12.1	30	
Acenaphthene	A	50.00	40.8	1.283793	1.047111		-18.4	30	
Acenaphthylene	A	50.00	43.5	1.914559	1.664139		-13.1	30	
Acetophenone	A	50.00	41.0	2.06238	1.690607		-18.0	30	
Aniline	A	50.00	28.3	2.440195	1.379596		-43.5	30	*
Anthracene	A	50.00	41.5	1.249775	1.036537		-17.1	30	
Benzidine	A	50.00	34.5	0.4940335	0.3404411		-31.1	30	*
Benzo(a)anthracene	A	50.00	42.2	1.349457	1.138087		-15.7	30	
Benzo(a)pyrene	A	50.00	44.4	1.137268	1.009237		-11.3	30	
Benzo(b)fluoranthene	A	50.00	44.1	1.22697	1.081412		-11.9	30	
Benzo(g,h,i)perylene	A	50.00	45.6	1.123312	1.023438		-8.9	30	
Benzo(k)fluoranthene	A	50.00	43.7	1.217987	1.064995		-12.6	30	
Benzoic Acid	A	50.00	46.7	0.197483	0.184423		-6.6	30	
Bis(2-chloroethoxy)methane	A	50.00	41.3	0.4411299	0.3646285		-17.3	30	
Bis(2-chloroethyl)ether	A	50.00	42.4	1.026405	0.8705373		-15.2	30	
2,2'-oxybis(1-Chloropropane)	A	50.00	46.2	1.663981	1.536654		-7.7	30	
Bis(2-Ethylhexyl)phthalate	A	50.00	47.5	0.6136946	0.5835019		-4.9	30	
4-Bromophenylphenylether	A	50.00	41.7	0.2145394	0.1787691		-16.7	30	
Butylbenzylphthalate	A	50.00	45.1	0.5355861	0.4829713		-9.8	30	
Carbazole	A	50.00	43.8	1.161077	1.016301		-12.5	30	
4-Chloroaniline	A	50.00	30.2	0.4744047	0.2862479		-39.7	30	*
4-Chloro-3-methylphenol	A	50.00	40.4	0.317409	0.2566358		-19.1	30	
2-Chloronaphthalene	A	50.00	38.6	1.423093	1.098911		-22.8	30	
2-Chlorophenol	A	50.00	41.7	1.574548	1.312556		-16.6	30	
4-Chlorophenylphenylether	A	50.00	41.9	0.5983028	0.5016108		-16.2	30	
Chrysene	A	50.00	41.5	1.334226	1.106894		-17.0	30	

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Instrument ID:	GCMSSV2	Calibration:	2500833
Lab File ID:	B25S297016.D	Calibration Date:	10/24/25 00:00
Sequence:	S128430	Injection Date:	10/24/25
Lab Sample ID:	S128430-ICV1	Injection Time:	16:42

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Dibenz(a,h)anthracene	A	50.00	45.5	1.063838	0.9690329		-8.9	30
Dibenzofuran	A	50.00	41.7	1.695239	1.413506		-16.6	30
Di-n-butylphthalate	A	50.00	44.0	1.13423	0.9975853		-12.0	30
1,2-Dichlorobenzene	A	50.00	42.5	1.584745	1.346909		-15.0	30
1,3-Dichlorobenzene	A	50.00	42.5	1.641949	1.397115		-14.9	30
1,4-Dichlorobenzene	A	50.00	42.6	1.681392	1.431937		-14.8	30
3,3-Dichlorobenzidine	A	50.00	39.3	0.4199577	0.3298989		-21.4	30
2,4-Dichlorophenol	A	50.00	42.8	0.3043154	0.2604292		-14.4	30
Diethylphthalate	A	50.00	41.3	1.190546	0.982441		-17.5	30
2,4-Dimethylphenol	A	50.00	43.2	0.3194593	0.2761624		-13.6	30
Dimethylphthalate	A	50.00	42.2	1.254799	1.059569		-15.6	30
4,6-Dinitro-2-methylphenol	L	50.00	43.5	0.1410788	0.1293031		-13.0	30
2,4-Dinitrophenol	A	50.00	49.8	0.1563061	0.1555992		-0.5	30
2,4-Dinitrotoluene	A	50.00	44.7	0.3908701	0.3496463		-10.5	30
2,6-Dinitrotoluene	A	50.00	45.7	0.2895602	0.2647788		-8.6	30
Di-n-octylphthalate	A	50.00	41.9	0.9808358	0.8217379		-16.2	30
1,2-Diphenylhydrazine/Azobenzene	A	50.00	41.6	0.8300961	0.6907698		-16.8	30
Fluoranthene	A	50.00	43.2	1.235066	1.067729		-13.5	30
Fluorene	A	50.00	42.1	1.409714	1.187		-15.8	30
Hexachlorobenzene	A	50.00	44.0	0.2379867	0.2095851		-11.9	30
Hexachlorobutadiene	A	50.00	46.0	0.163838	0.1506132		-8.1	30
Hexachlorocyclopentadiene	A	50.00	48.9	0.3181379	0.3112138		-2.2	30
Hexachloroethane	A	50.00	44.3	0.6441402	0.5702472		-11.5	30
Indeno(1,2,3-cd)pyrene	A	50.00	46.3	1.012116	0.9376731		-7.4	30
Isophorone	A	50.00	45.0	0.6726545	0.6056215		-10.0	30
1-Methylnaphthalene	A	50.00	41.8	0.7029169	0.5877824		-16.4	30
2-Methylnaphthalene	A	50.00	38.2	0.7469839	0.5713199		-23.5	30
2-Methylphenol	A	50.00	41.6	1.434992	1.193926		-16.8	30
3/4-Methylphenol	A	50.00	42.4	1.59626	1.355255		-15.1	30

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Instrument ID:	GCMSSV2	Calibration:	2500833
Lab File ID:	B25S297016.D	Calibration Date:	10/24/25 00:00
Sequence:	S128430	Injection Date:	10/24/25
Lab Sample ID:	S128430-ICV1	Injection Time:	16:42

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Naphthalene	A	50.00	42.0	1.10001	0.9248058		-15.9	30
2-Nitroaniline	A	50.00	51.2	0.3645414	0.3735144		2.5	30
3-Nitroaniline	A	50.00	38.6	0.3577428	0.2758687		-22.9	30
4-Nitroaniline	A	50.00	43.5	0.3949041	0.3433838		-13.0	30
Nitrobenzene	A	50.00	41.9	0.4010463	0.3361951		-16.2	30
2-Nitrophenol	A	50.00	44.5	0.1977391	0.1758469		-11.1	30
4-Nitrophenol	A	50.00	46.1	0.1547519	0.1425577		-7.9	30
N-Nitrosodimethylamine	A	50.00	40.3	0.7122818	0.5740606		-19.4	30
N-Nitrosodiphenylamine/Diphenylamine	A	50.00	42.1	0.6896138	0.5816868		-15.7	30
N-Nitrosodi-n-propylamine	A	50.00	39.9	1.070739	0.8547062		-20.2	30
N-Nitrosomorpholine	A		0.00					30
Pentachloronitrobenzene	A	50.00	44.3	4.153899E-02	3.677048E-02		-11.5	30
Pentachlorophenol	A	50.00	45.0	0.1602803	0.1442363		-10.0	30
Phenanthrene	A	50.00	40.5	1.249551	1.01239		-19.0	30
Phenol	A	50.00	40.8	2.017986	1.646752		-18.4	30
Pyrene	A	50.00	40.9	1.467047	1.199433		-18.2	30
Pyridine	A	50.00	43.8	1.700956	1.490588		-12.4	30
1,2,4,5-Tetrachlorobenzene	A	50.00	45.0	0.557057	0.5013372		-10.0	30
1,2,4-Trichlorobenzene	A	50.00	43.9	0.3257174	0.2856939		-12.3	30
2,4,5-Trichlorophenol	A	50.00	45.4	0.395503	0.3595178		-9.1	30
2,4,6-Trichlorophenol	A	50.00	44.0	0.3769288	0.3317414		-12.0	30
2-Fluorophenol	A		0.00	1.117548				
Phenol-d6	A		10.0	1.842676				
Nitrobenzene-d5	A		10.0	0.3980805				
2-Fluorobiphenyl	A		10.0	1.320526				
2,4,6-Tribromophenol	A		0.00	0.1776466				
p-Terphenyl-d14	A		50.0	0.8283524				

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Instrument ID:	GCMSSV2	Calibration:	2500833
Lab File ID:	B25S328017.D	Calibration Date:	10/24/25 00:00
Sequence:	S128977	Injection Date:	11/24/25
Lab Sample ID:	S128977-CCV1	Injection Time:	15:42

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Biphenyl	A	50.00	52.4	1.495152	1.566685		4.8	20
Caprolactam	A	50.00	0.00	0.1225767				20
Acenaphthene	A	50.00	50.6	1.283793	1.298534		1.1	20
Acenaphthylene	A	50.00	50.8	1.914559	1.945519		1.6	20
Acetophenone	A	50.00	49.9	2.06238	2.058072		-0.2	20
Aniline	A	50.00	40.6	2.440195	1.983406		-18.7	20
Anthracene	A	50.00	46.6	1.249775	1.165706		-6.7	20
Benzo(a)anthracene	A	50.00	47.0	1.349457	1.268204		-6.0	20
Benzo(a)pyrene	A	50.00	50.7	1.137268	1.152896		1.4	20
Benzo(b)fluoranthene	A	50.00	49.6	1.22697	1.218479		-0.7	20
Benzo(g,h,i)perylene	A	50.00	48.2	1.123312	1.082739		-3.6	20
Benzo(k)fluoranthene	A	50.00	48.3	1.217987	1.175952		-3.5	20
Bis(2-chloroethoxy)methane	A	50.00	47.4	0.4411299	0.4186692		-5.1	20
Bis(2-chloroethyl)ether	A	50.00	48.6	1.026405	0.9967639		-2.9	20
2,2'-oxybis(1-Chloropropane)	A	50.00	47.7	1.663981	1.587573		-4.6	20
Bis(2-Ethylhexyl)phthalate	A	50.00	55.1	0.6136946	0.6759029		10.1	20
4-Bromophenylphenylether	A	50.00	52.1	0.2145394	0.2235047		4.2	20
Butylbenzylphthalate	A	50.00	50.5	0.5355861	0.5404727		0.9	20
Carbazole	A	50.00	48.4	1.161077	1.122764		-3.3	20
4-Chloroaniline	A	50.00	43.5	0.4744047	0.4125045		-13.0	20
4-Chloro-3-methylphenol	A	50.00	52.2	0.317409	0.3311933		4.3	20
2-Chloronaphthalene	A	50.00	49.8	1.423093	1.416571		-0.5	20
2-Chlorophenol	A	50.00	49.6	1.574548	1.562778		-0.7	20
4-Chlorophenylphenylether	A	50.00	52.4	0.5983028	0.6270251		4.8	20
Chrysene	A	50.00	45.8	1.334226	1.221667		-8.4	20
Dibenz(a,h)anthracene	A	50.00	51.4	1.063838	1.09255		2.7	20
Dibenzofuran	A	50.00	50.6	1.695239	1.717043		1.3	20
Di-n-butylphthalate	A	50.00	51.8	1.13423	1.175603		3.6	20
3,3-Dichlorobenzidine	A	50.00	55.7	0.4199577	0.467665		11.4	20
2,4-Dichlorophenol	A	50.00	51.4	0.3043154	0.3126136		2.7	20

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Instrument ID:	GCMSSV2	Calibration:	2500833
Lab File ID:	B25S328017.D	Calibration Date:	10/24/25 00:00
Sequence:	S128977	Injection Date:	11/24/25
Lab Sample ID:	S128977-CCV1	Injection Time:	15:42

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Diethylphthalate	A	50.00	52.3	1.190546	1.245889		4.6	20	
2,4-Dimethylphenol	A	50.00	51.5	0.3194593	0.3288065		2.9	20	
Dimethylphthalate	A	50.00	52.5	1.254799	1.317123		5.0	20	
4,6-Dinitro-2-methylphenol	L	50.00	49.7	0.1410788	0.1524811		-0.6	20	
2,4-Dinitrophenol	A	50.00	64.8	0.1563061	0.2024743		29.5	20	*
2,4-Dinitrotoluene	A	50.00	53.7	0.3908701	0.4198407		7.4	20	
2,6-Dinitrotoluene	A	50.00	53.2	0.2895602	0.3084016		6.5	20	
Di-n-octylphthalate	A	50.00	55.3	0.9808358	1.084346		10.6	20	
Fluoranthene	A	50.00	50.0	1.235066	1.235148		0.007	20	
Fluorene	A	50.00	50.1	1.409714	1.412928		0.2	20	
Hexachlorobenzene	A	50.00	52.2	0.2379867	0.2484722		4.4	20	
Hexachlorobutadiene	A	50.00	53.3	0.163838	0.1747243		6.6	20	
Hexachlorocyclopentadiene	A	50.00	51.9	0.3181379	0.3303556		3.8	20	
Hexachloroethane	A	50.00	49.7	0.6441402	0.6403842		-0.6	20	
Indeno(1,2,3-cd)pyrene	A	50.00	52.2	1.012116	1.056954		4.4	20	
Isophorone	A	50.00	49.3	0.6726545	0.6634756		-1.4	20	
1-Methylnaphthalene	A	50.00	50.3	0.7029169	0.7077394		0.7	20	
2-Methylnaphthalene	A	50.00	48.7	0.7469839	0.7277287		-2.6	20	
2-Methylphenol	A	50.00	47.4	1.434992	1.358951		-5.3	20	
3/4-Methylphenol	A	100.0	100	1.59626	1.600835		0.3	20	
Naphthalene	A	50.00	48.9	1.10001	1.075018		-2.3	20	
2-Nitroaniline	A	50.00	52.9	0.3645414	0.385565		5.8	20	
3-Nitroaniline	A	50.00	52.2	0.3577428	0.3731505		4.3	20	
4-Nitroaniline	A	50.00	50.6	0.3949041	0.3995827		1.2	20	
Nitrobenzene	A	50.00	52.0	0.4010463	0.4172632		4.0	20	
2-Nitrophenol	A	50.00	55.2	0.1977391	0.2181564		10.3	20	
4-Nitrophenol	A	50.00	58.2	0.1547519	0.1802885		16.5	20	
N-Nitrosodiphenylamine/Diphenylamine	A	42.75	40.8	0.6896138	0.6587038		-4.5	20	
N-Nitrosodi-n-propylamine	A	50.00	50.4	1.070739	1.079527		0.8	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Instrument ID:	GCMSSV2	Calibration:	2500833
Lab File ID:	B25S328017.D	Calibration Date:	10/24/25 00:00
Sequence:	S128977	Injection Date:	11/24/25
Lab Sample ID:	S128977-CCV1	Injection Time:	15:42

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Pentachlorophenol	A	50.00	50.3	0.1602803	0.1611014		0.5	20
Phenanthrene	A	50.00	45.5	1.249551	1.137057		-9.0	20
Phenol	A	50.00	52.2	2.017986	2.107987		4.5	20
Pyrene	A	50.00	43.2	1.467047	1.267606		-13.6	20
Pyridine	A	50.00	46.9	1.700956	1.595523		-6.2	20
1,2,4,5-Tetrachlorobenzene	A	50.00	53.8	0.557057	0.599268		7.6	20
2,4,5-Trichlorophenol	A	50.00	52.5	0.395503	0.4149981		4.9	20
2,4,6-Trichlorophenol	A	50.00	52.7	0.3769288	0.3971315		5.4	20
2-Fluorophenol	A	100.0	101	1.117548	1.12877		1.0	
Phenol-d6	A	100.0	97.9	1.842676	1.804559		-2.1	
Nitrobenzene-d5	A	50.00	50.0	0.3980805	0.3980123		-0.02	
2-Fluorobiphenyl	A	50.00	50.1	1.320526	1.322972		0.2	
2,4,6-Tribromophenol	A	100.0	115	0.1776466	0.2048426		15.3	
p-Terphenyl-d14	A	50.00	46.6	0.8283524	0.7717227		-6.8	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328017.D
Acq On : 24 Nov 2025 3:42 pm
Operator : BGL
Sample : 8270STD 50 PPM Inst : GCMSSV2
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 24 15:57:50 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.692	152	54140	40.00	ug/ml	-0.01
19) NAPHTHALENE-d8	5.492	136	214514	40.00	ug/ml	-0.01
35) ACENAPHTHENE-D10	6.582	164	120762	40.00	ug/ml	-0.01
58) PHENANTHRENE-D10	7.503	188	206861	40.00	ug/ml	-0.01
71) CHRYSENE-D12	9.899	240	215296	40.00	ug/ml	-0.02
80) PERYLENE-D12	12.345	264	237443	40.00	ug/ml	-0.02
88) 1,4-Dichlorobenzene-D4...	0.000	152	0m	40.00	ug/ml	-4.70
92) NAPHTHALENE-d8 (2)	0.000	136	0m	40.00	ug/ml	-5.50
95) ACENAPHTHENE-D10 (2)	0.000	164	0m	40.00	ug/ml	-6.59
System Monitoring Compounds						
2) 2-Fluorophenol	3.838	112	152779	101.00	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 50.50%			
3) Phenol-d6	4.466	99	244247	97.93	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 48.97%			
20) Nitrobenzene-d5	5.042	82	106724	49.99	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 49.99%			
36) 2-Fluorobiphenyl	6.158	172	199706	50.09	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 50.09%			
37) 2,4,6-Tribromophenol	7.071	330	61843	115.31	ug/ml	-0.01
Spiked Amount 200.000	Range 30 - 130		Recovery = 57.66%			
72) p-Terphenyl-d14	8.678	244	207686	46.58	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 46.58%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.753	42	50038	51.90	ug/ml	87
5) Pyridine	2.776	79	107977	46.90	ug/ml	97
6) Aniline	4.481	93	134227	40.64	ug/ml#	20
7) Phenol	4.473	94	142658	52.23	ug/ml#	54
8) Bis(2-chloroethyl)ether	4.522	63	67456	48.56	ug/ml	96
9) 2-Chlorophenol	4.561	128	105761	49.63	ug/ml	97
10) 1,3-Dichlorobenzene	4.656	146	110208	49.59	ug/ml	99
11) 1,4-Dichlorobenzene	4.702	146	113118	49.71	ug/ml	98
12) 1,2-Dichlorobenzene	4.800	146	105202	49.05	ug/ml	99
13) 2- METHYLPHENOL	4.854	108	91967	47.35	ug/ml	96
14) 2,2'-oxybis(1-chloropr...	4.862	45	107439	47.70	ug/ml	96
15) Acetophenone	4.946	105	139280	49.90	ug/ml	97
16) 3/4- METHYLPHENOL	4.949	107	216673	100.29	ug/ml	99
17) N-Nitroso-Di-N-Propyla...	4.946	70	73057	50.41	ug/ml	90
18) Hexachloroethane	5.011	117	43338	49.71	ug/ml	94
21) NITROBENZENE	5.054	77	111886	52.02	ug/ml	96
22) Isophorone	5.201	82	177906	49.32	ug/ml	98
23) 2-Nitrophenol	5.252	139	58497	55.16	ug/ml	99
24) 2,4-Dimethylphenol	5.278	122	88167	51.46	ug/ml	96
25) Bis(2-Chloroethoxy)met...	5.332	93	112263	47.45	ug/ml	100
26) Benzoic Acid	5.340	122	65059	61.43	ug/ml	88
27) 2,4-Dichlorophenol	5.404	162	83825	51.36	ug/ml	99
28) 1,2,4-Trichlorobenzene	5.456	180	87762	50.24	ug/ml	99
29) Naphthalene	5.504	128	288258	48.86	ug/ml	100
30) 4-Chloroaniline	5.538	127	110610	43.48	ug/ml	98
31) Hexachlorobutadiene	5.579	225	46851	53.32	ug/ml	99
32) 4-Chloro-3-Methylphenol	5.836	107	88807	52.17	ug/ml	98
33) 2-MethylNaphthalene	5.934	142	195135	48.71	ug/ml	100
34) 1-Methylnaphthalene	5.996	142	189775	50.34	ug/ml	100
38) Hexachlorocyclopentadiene	6.029	237	49868	51.92	ug/ml	97
39) 1,2,4,5-Tetrachloroben...	6.037	216	90461	53.79	ug/ml	99
40) 2,4,6-Trichlorophenol	6.109	196	59948	52.68	ug/ml	98

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328017.D
Acq On : 24 Nov 2025 3:42 pm
Operator : BGL
Sample : 8270STD 50 PPM Inst : GCMSSV2
Misc :
ALS Vial : 17 Sample Multiplier: 1

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Quant Time: Nov 24 15:57:50 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

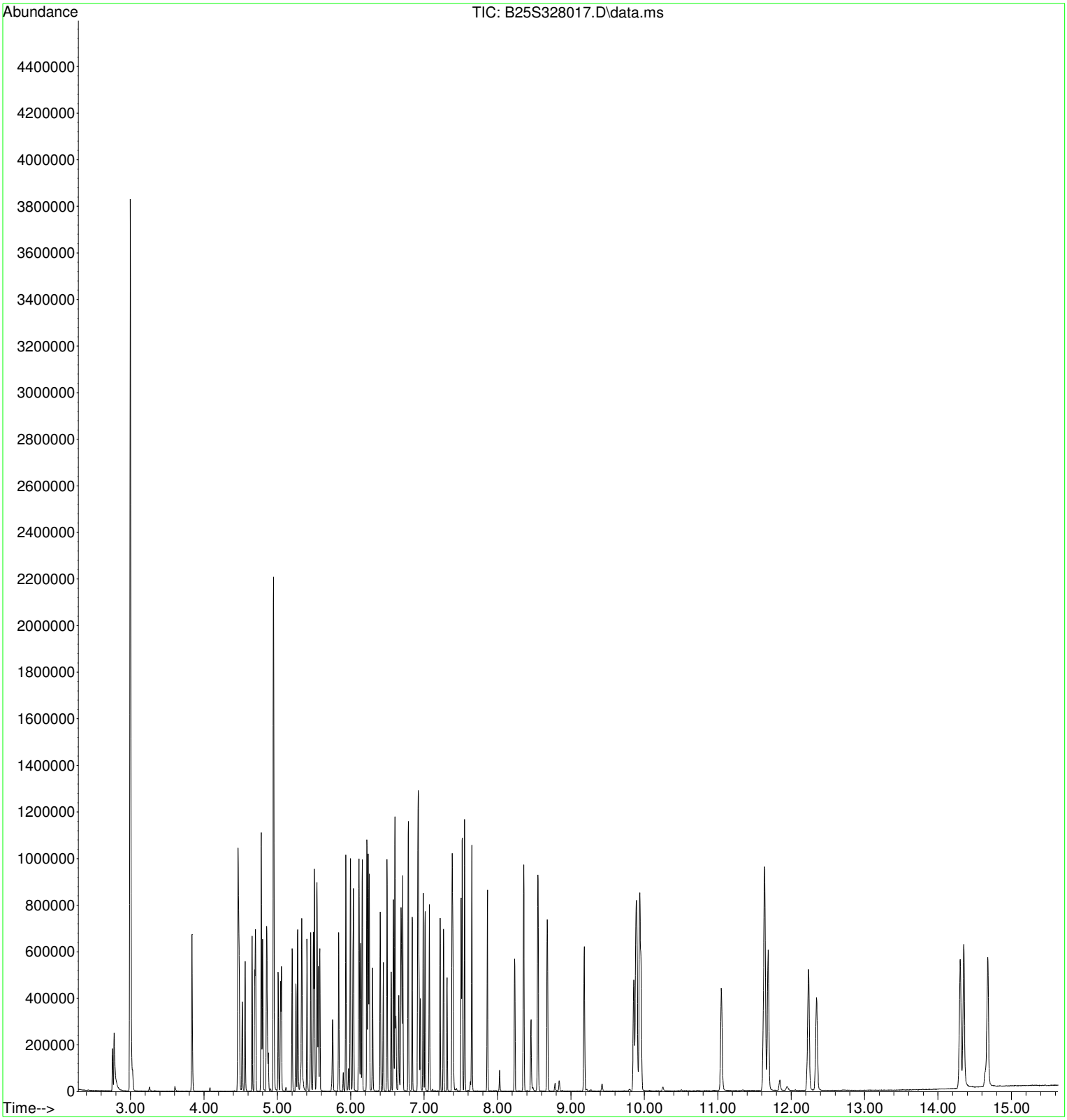
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 2,4,5-Trichlorophenol	6.137	196	62645	52.46	ug/ml	93
42) 2-ChloroNaphthalene	6.237	162	213835	49.77	ug/ml	98
43) 2-Nitroaniline	6.297	65	58202	52.88	ug/ml	100
44) 1,1-Biphenyl	6.219	154	236495	52.39	ug/ml	99
45) DIMETHYL PHTHALATE	6.402	163	198823	52.48	ug/ml	99
46) 2,6-DinitroToluene	6.443	165	46554	53.25	ug/ml	99
47) Acenaphthylene	6.495	152	293681	50.81	ug/ml	100
48) 3-Nitroaniline	6.551	138	56328	52.15	ug/ml	99
49) Acenaphthene	6.603	154	196017	50.57	ug/ml	99
50) 2,4-Dinitrophenol	6.615	184	30564	64.77	ug/ml#	98
51) 4-Nitrophenol	6.654	109	27215	58.25	ug/ml	98
52) Dibenzofuran	6.708	168	259192	50.64	ug/ml	98
53) 2,4-Dinitrotoluene	6.695	165	63376	53.71	ug/ml	91
54) DIETHYL PHTHALATE	6.839	149	188070	52.32	ug/ml	99
55) 4-Chlorophenyl phenyl ...	6.914	204	94651	52.40	ug/ml	100
56) Flourene	6.921	166	213285	50.11	ug/ml	99
57) 4-Nitroaniline	6.932	138	60318	50.59	ug/ml	90
59) 4,6-Dinitro-2-Methylph...	6.947	198	39428	49.72	ug/ml	96
60) N-Nitrosodiphenylamine	6.988	169	145628	40.77	ug/ml	100
61) 1,2-Diphenylhydrazine	7.014	77	197091	45.91	ug/ml	97
62) 4-Bromophenyl phenyl e...	7.217	248	57793	52.09	ug/ml	97
63) Hexachlorobenzene	7.263	284	64249	52.20	ug/ml	94
64) Pentachlorophenol	7.387	266	41657	50.26	ug/ml	99
65) Pentachloronitrobenzene	7.392	295	11226	52.26	ug/ml	99
66) Phenanthrene	7.521	178	294016	45.50	ug/ml	100
67) Anthracene	7.551	178	301424	46.64	ug/ml	100
68) Carbazole	7.649	167	290320	48.35	ug/ml	99
69) Di-N-Butyl Phthalate	7.863	149	303983	51.82	ug/ml	100
70) Flouranthene	8.356	202	319380	50.00	ug/ml	98
73) Benzidine	8.457	184	103183	38.80	ug/ml	96
74) Pyrene	8.549	202	341138	43.20	ug/ml	99
75) Butylbenzyl phthalate	9.182	149	145452	50.46	ug/ml	90
76) 3,3'-Dichlorobenzidine	9.856	252	125858	55.68	ug/ml	98
77) Benzo(a)anthracene	9.884	228	341299	46.99	ug/ml	97
78) Chrysene	9.935	228	328775	45.78	ug/ml	99
79) Bis(2-ethylhexyl)phtha...	9.953	149	181899	55.07	ug/ml	100
81) Di-n-octylphthalate	11.049	149	321838	55.28	ug/ml	96
82) Benzo(b)fluoranthene	11.635	252	361649	49.65	ug/ml	97
83) Benzo(k)fluoranthene	11.687	252	349027	48.27	ug/ml	99
84) Benzo(a)pyrene	12.237	252	342184	50.69	ug/ml	98
85) Indeno(1,2,3-cd)pyrene	14.304	276	313708	52.22	ug/ml	97
86) Dibenz(a,h)anthracene	14.353	278	324273	51.35	ug/ml	98
87) Benzo(g,h,i)perylene	14.682	276	321361	48.19	ug/ml	95

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

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328017.D
Acq On : 24 Nov 2025 3:42 pm
Operator : BGL
Sample : 8270STD 50 PPM Inst : GCMSSV2
Misc :
ALS Vial : 17 Sample Multiplier: 1

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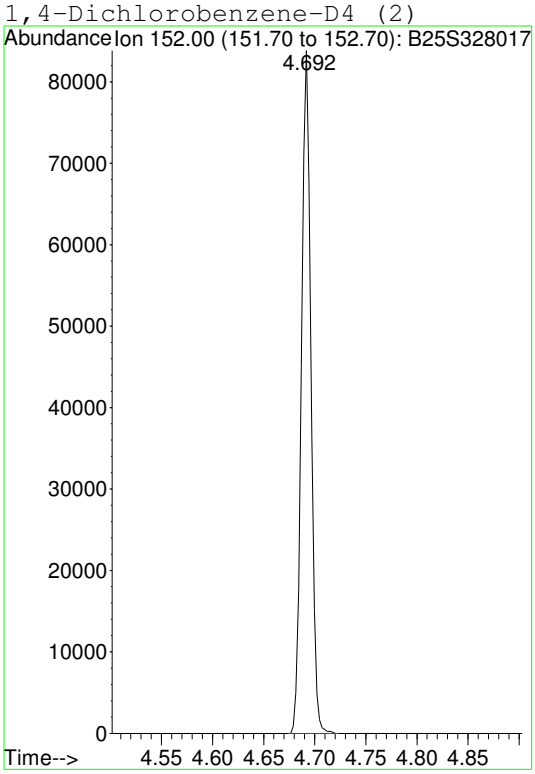
Quant Time: Nov 24 15:57:50 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328017.D
Acq On : 24 Nov 2025 3:42 pm
Operator : BGL
Sample : 8270STD 50 PPM
Misc :

Quant Time : Tue Nov 25 08:48:47 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
1,4-Dichlorobenzene-D4 (2)



Original Int. Results

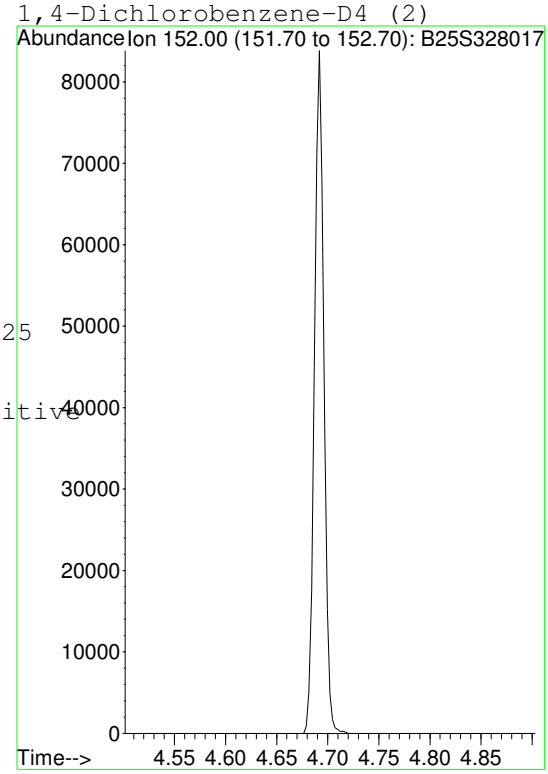
RT : 4.69
Area : 54140
Amount: 40

Manual Int. Results

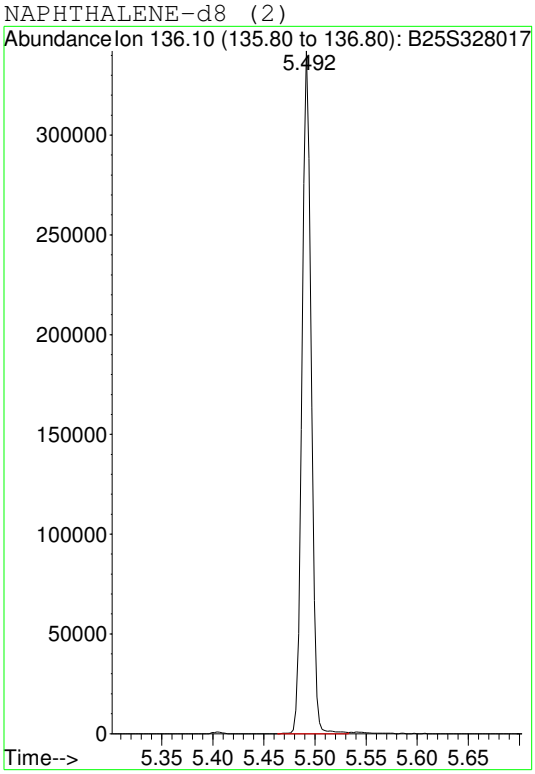
Tue Nov 25 08:48:47 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

Manual Integration
1,4-Dichlorobenzene-D4 (2)



Original Integration
NAPHTHALENE-d8 (2)



Original Int. Results

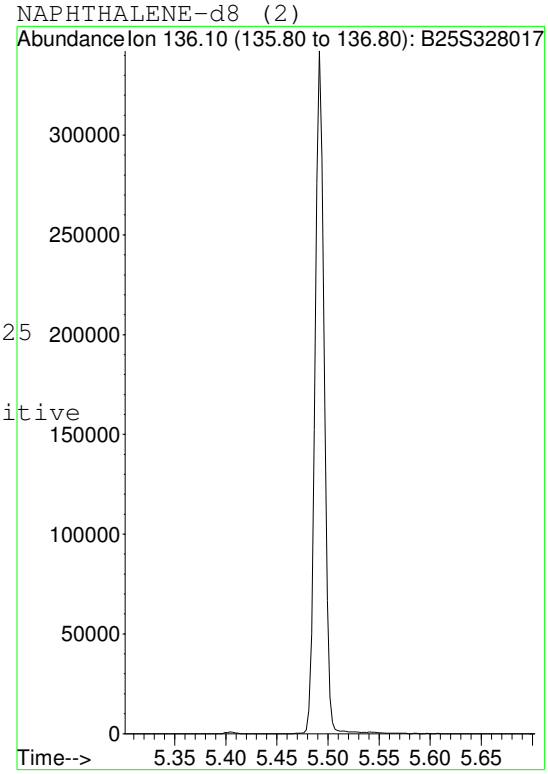
RT : 5.49
Area : 214514
Amount: 40

Manual Int. Results

Tue Nov 25 08:48:46 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

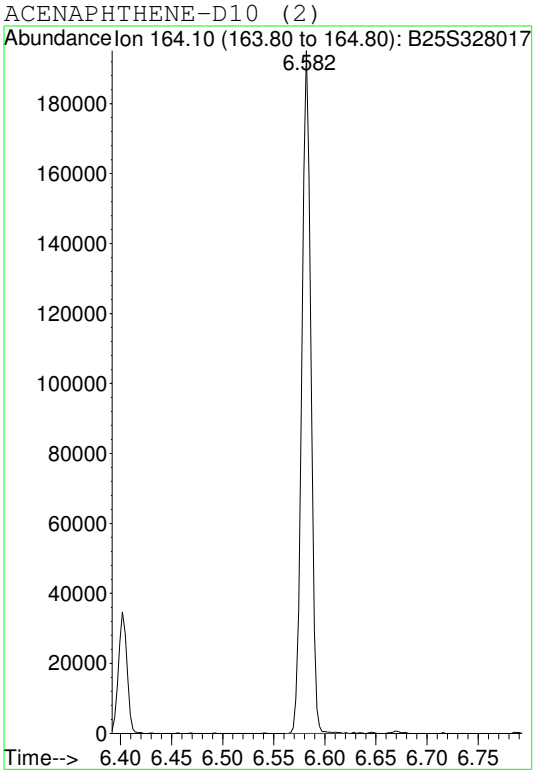
Manual Integration
NAPHTHALENE-d8 (2)



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328017.D
Acq On : 24 Nov 2025 3:42 pm
Operator : BGL
Sample : 8270STD 50 PPM
Misc :

Quant Time : Tue Nov 25 08:48:47 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
ACENAPHTHENE-D10 (2)



Original Int. Results

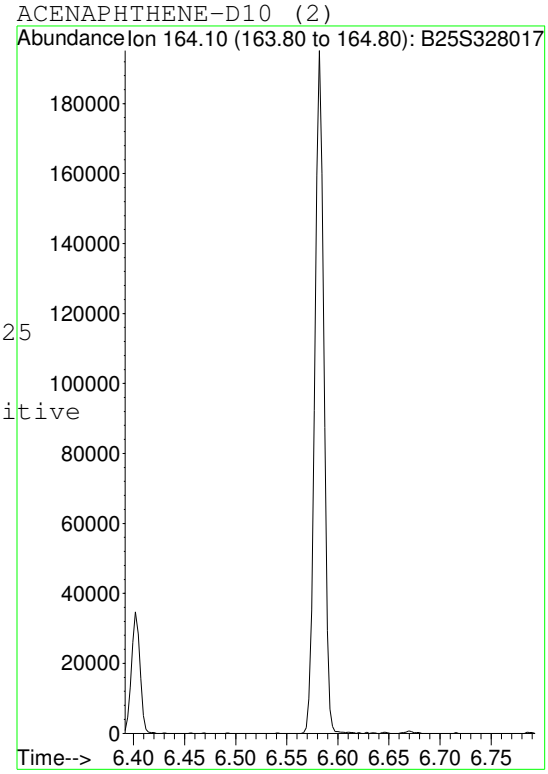
RT : 6.58
Area : 120762
Amount: 40

Manual Int. Results

Tue Nov 25 08:48:46 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

Manual Integration
ACENAPHTHENE-D10 (2)



Evaluate Continuing Calibration Report

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Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328017.D
Acq On : 24 Nov 2025 3:42 pm
Operator : BGL
Sample : 8270STD 50 PPM Inst : GCMSSV2
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 24 15:57:50 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-D4	40.000	40.000	0.0	79	-0.01
2	S	2-Fluorophenol	100.000	101.004	-1.0	89	0.00
3	S	Phenol-d6	100.000	97.931	2.1	85	0.00
4	T	N-Nitrosodimethylamine	50.000	51.903	-3.8	91	-0.01
5	T	Pyridine	50.000	46.901	6.2	80	-0.01
6	T	Aniline	50.000	40.640	18.7	70	-0.01
7	T	Phenol	50.000	52.230	-4.5	89	0.00
8	T	Bis(2-chloroethyl)ether	50.000	48.556	2.9	82	-0.01
9	T	2-Chlorophenol	50.000	49.626	0.7	85	0.00
10	T	1,3-Dichlorobenzene	50.000	49.590	0.8	85	-0.01
11	T	1,4-Dichlorobenzene	50.000	49.706	0.6	85	-0.01
12	T	1,2-Dichlorobenzene	50.000	49.046	1.9	84	-0.01
13	T	2- METHYLPHENOL	50.000	47.350	5.3	83	0.00
14	T	2,2'-oxybis(1-chloropropane	50.000	47.704	4.6	82	-0.01
15	T	Acetophenone	50.000	49.896	0.2	87	-0.01
16	T	3/4- METHYLPHENOL	100.000	100.287	-0.3	86	0.00
17	T	N-Nitroso-Di-N-Propylamine	50.000	50.410	-0.8	88	-0.01
18	T	Hexachloroethane	50.000	49.708	0.6	83	-0.01
19	I	NAPHTHALENE-d8	40.000	40.000	0.0	77	-0.01
20	S	Nitrobenzene-d5	50.000	49.991	0.0	85	-0.01
21	T	NITROBENZENE	50.000	52.022	-4.0	89	-0.01
22	T	Isophorone	50.000	49.318	1.4	81	-0.01
23	T	2-Nitrophenol	50.000	55.163	-10.3	90	-0.01
24	T	2,4-Dimethylphenol	50.000	51.463	-2.9	86	0.00
25	T	Bis(2-Chloroethoxy)methane	50.000	47.454	5.1	78	-0.01
26	T	Benzoic Acid	50.000	61.430	-22.9	100	0.00
27	T	2,4-Dichlorophenol	50.000	51.363	-2.7	85	0.00
28	T	1,2,4-Trichlorobenzene	50.000	50.242	-0.5	84	-0.01
29	T	Naphthalene	50.000	48.864	2.3	84	-0.01
30	T	4-Chloroaniline	50.000	43.476	13.0	72	0.00
31	T	Hexachlorobutadiene	50.000	53.322	-6.6	85	-0.01
32	T	4-Chloro-3-Methylphenol	50.000	52.171	-4.3	88	0.00
33	T	2-MethylNaphthalene	50.000	48.711	2.6	82	-0.01
34	T	1-Methylnaphthalene	50.000	50.343	-0.7	86	-0.01
35	I	ACENAPHTHENE-D10	40.000	40.000	0.0	77	-0.01
36	S	2-Fluorobiphenyl	50.000	50.093	-0.2	84	-0.01
37	S	2,4,6-Tribromophenol	100.000	115.309	-15.3	94	-0.01
38	T	Hexachlorocyclopentadiene	50.000	51.920	-3.8	81	-0.01
39	T	1,2,4,5-Tetrachlorobenzene	50.000	53.789	-7.6	87	-0.01
40	T	2,4,6-Trichlorophenol	50.000	52.680	-5.4	86	0.00
41	T	2,4,5-Trichlorophenol	50.000	52.465	-4.9	85	0.00
42	T	2-ChloroNaphthalene	50.000	49.771	0.5	86	-0.01
43	T	2-Nitroaniline	50.000	52.884	-5.8	87	-0.01
44	T	1,1-Biphenyl	50.000	52.392	-4.8	86	-0.01
45	T	DIMETHYL PHTHALATE	50.000	52.483	-5.0	85	-0.01
46	T	2,6-DinitroToluene	50.000	53.253	-6.5	85	-0.01
47	T	Acenaphthylene	50.000	50.809	-1.6	84	-0.01
48	T	3-Nitroaniline	50.000	52.153	-4.3	83	-0.01
49	T	Acenaphthene	50.000	50.574	-1.1	84	-0.01
50	T	2,4-Dinitrophenol	50.000	64.769	-29.5#	110	0.00
51	T	4-Nitrophenol	50.000	58.251	-16.5	94	0.00
52	T	Dibenzofuran	50.000	50.643	-1.3	86	-0.01

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328017.D
Acq On : 24 Nov 2025 3:42 pm
Operator : BGL
Sample : 8270STD 50 PPM Inst : GCMSSV2
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 24 15:57:50 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
53	T	2,4-Dinitrotoluene	50.000	53.706	-7.4	86	0.00
54	T	DIETHYL PHTHALATE	50.000	52.324	-4.6	84	-0.01
55	T	4-Chlorophenyl phenyl ether	50.000	52.400	-4.8	85	-0.01
56	T	Flourene	50.000	50.114	-0.2	83	-0.01
57	T	4-Nitroaniline	50.000	50.592	-1.2	83	0.00
58	I	PHENANTHRENE-D10	40.000	40.000	0.0	82	-0.01
59	T	4,6-Dinitro-2-Methylphenol	50.000	49.724	0.6	94	0.00
60	T	N-Nitrosodiphenylamine	42.680	40.770	4.5	84	0.00
61	T	1,2-Diphenylhydrazine	50.000	45.911	8.2	80	-0.01
62	T	4-Bromophenyl phenyl ether	50.000	52.089	-4.2	90	-0.01
63	T	Hexachlorobenzene	50.000	52.203	-4.4	90	-0.01
64	T	Pentachlorophenol	50.000	50.256	-0.5	88	0.00
65	T	Pentachloronitrobenzene	50.000	52.258	-4.5	86	-0.01
66	T	Phenanthrene	50.000	45.499	9.0	84	0.00
67	T	Anthracene	50.000	46.637	6.7	82	-0.01
68	T	Carbazole	50.000	48.350	3.3	84	0.00
69	T	Di-N-Butyl Phthalate	50.000	51.824	-3.6	80	-0.01
70	T	Flouranthene	50.000	50.003	-0.0	84	-0.01
71	I	CHRYSENE-D12	40.000	40.000	0.0	88	-0.02
72	S	p-Terphenyl-d14	50.000	46.582	6.8	86	-0.01
73	T	Benzidine	50.000	38.804	22.4	73	-0.01
74	T	Pyrene	50.000	43.203	13.6	85	-0.01
75	T	Butylbenzyl phthalate	50.000	50.456	-0.9	84	-0.02
76	T	3,3'-Dichlorobenzidine	50.000	55.680	-11.4	99	-0.01
77	T	Benzo(a)anthracene	50.000	46.989	6.0	88	-0.02
78	T	Chrysene	50.000	45.782	8.4	88	-0.02
79	T	Bis(2-ethylhexyl)phthalate	50.000	55.068	-10.1	79	-0.02
80	I	PERYLENE-D12	40.000	40.000	0.0	92	-0.02
81	T	Di-n-octylphthalate	50.000	55.277	-10.6	89	-0.02
82	T	Benzo(b)fluoranthene	50.000	49.654	0.7	94	-0.02
83	T	Benzo(k)fluoranthene	50.000	48.274	3.5	89	-0.02
84	T	Benzo(a)pyrene	50.000	50.687	-1.4	93	-0.02
85	T	Indeno(1,2,3-cd)pyrene	50.000	52.215	-4.4	99	-0.01
86	T	Dibenz(a,h)anthracene	50.000	51.349	-2.7	96	0.00
87	T	Benzo(g,h,i)perylene	50.000	48.194	3.6	92	0.00
88	I	1,4-Dichlorobenzene-D4 (2)	40.000	40.000	0.0	100	-0.01
89		1,4-Dioxane	50.000	0.028	99.9#	0	0.00
90		Benzaldehyde	50.000	0.273	99.5#	1	0.00
91		Benzyl Alcohol	50.000	96.799	-93.6#	195	0.00
92	I	NAPHTHALENE-d8 (2)	40.000	40.000	0.0	99	0.00
93		2,6-Dichlorophenol	50.000	47.790	4.4	97	-0.14
94		Caprolactam	50.000	49.909	0.2	95	0.00
95	I	ACENAPHTHENE-D10 (2)	40.000	40.000	0.0	100	0.00
96		2,3,4,6-Tetrachlorophenol	50.000	102.450	-104.9#	206	0.00
97		Atrazine	50.000	36.462	27.1#	74	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

659

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328017.D
Acq On : 24 Nov 2025 3:42 pm
Operator : BGL
Sample : 8270STD 50 PPM Inst : GCMSSV2
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 24 15:57:50 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-D4	1.000	1.000	0.0	79	-0.01
2	S	2-Fluorophenol	1.118	1.129	-1.0	89	0.00
3	S	Phenol-d6	1.843	1.805	2.1	85	0.00
4	T	N-Nitrosodimethylamine	0.712	0.739	-3.8	91	-0.01
5	T	Pyridine	1.701	1.596	6.2	80	-0.01
6	T	Aniline	2.440	1.983	18.7	70	-0.01
7	T	Phenol	2.018	2.108	-4.5	89	0.00
8	T	Bis(2-chloroethyl)ether	1.026	0.997	2.8	82	-0.01
9	T	2-Chlorophenol	1.575	1.563	0.8	85	0.00
10	T	1,3-Dichlorobenzene	1.642	1.628	0.9	85	-0.01
11	T	1,4-Dichlorobenzene	1.681	1.671	0.6	85	-0.01
12	T	1,2-Dichlorobenzene	1.585	1.555	1.9	84	-0.01
13	T	2- METHYLPHENOL	1.435	1.359	5.3	83	0.00
14	T	2,2'-oxybis(1-chloropropane	1.664	1.588	4.6	82	-0.01
15	T	Acetophenone	2.062	2.058	0.2	87	-0.01
16	T	3/4- METHYLPHENOL	1.596	1.601	-0.3	86	0.00
17	T	N-Nitroso-Di-N-Propylamine	1.071	1.080	-0.8	88	-0.01
18	T	Hexachloroethane	0.644	0.640	0.6	83	-0.01
19	I	NAPHTHALENE-d8	1.000	1.000	0.0	77	-0.01
20	S	Nitrobenzene-d5	0.398	0.398	0.0	85	-0.01
21	T	NITROBENZENE	0.401	0.417	-4.0	89	-0.01
22	T	Isophorone	0.673	0.663	1.5	81	-0.01
23	T	2-Nitrophenol	0.198	0.218	-10.1	90	-0.01
24	T	2,4-Dimethylphenol	0.319	0.329	-3.1	86	0.00
25	T	Bis(2-Chloroethoxy)methane	0.441	0.419	5.0	78	-0.01
26	T	Benzoic Acid	0.197	0.243	-23.4	100	0.00
27	T	2,4-Dichlorophenol	0.304	0.313	-3.0	85	0.00
28	T	1,2,4-Trichlorobenzene	0.326	0.327	-0.3	84	-0.01
29	T	Naphthalene	1.100	1.075	2.3	84	-0.01
30	T	4-Chloroaniline	0.474	0.413	12.9	72	0.00
31	T	Hexachlorobutadiene	0.164	0.175	-6.7	85	-0.01
32	T	4-Chloro-3-Methylphenol	0.317	0.331	-4.4	88	0.00
33	T	2-MethylNaphthalene	0.747	0.728	2.5	82	-0.01
34	T	1-Methylnaphthalene	0.703	0.708	-0.7	86	-0.01
35	I	ACENAPHTHENE-D10	1.000	1.000	0.0	77	-0.01
36	S	2-Fluorobiphenyl	1.321	1.323	-0.2	84	-0.01
37	S	2,4,6-Tribromophenol	0.178	0.205	-15.2	94	-0.01
38	T	Hexachlorocyclopentadiene	0.318	0.330	-3.8	81	-0.01
39	T	1,2,4,5-Tetrachlorobenzene	0.557	0.599	-7.5	87	-0.01
40	T	2,4,6-Trichlorophenol	0.377	0.397	-5.3	86	0.00
41	T	2,4,5-Trichlorophenol	0.396	0.415	-4.8	85	0.00
42	T	2-ChloroNaphthalene	1.423	1.417	0.4	86	-0.01
43	T	2-Nitroaniline	0.365	0.386	-5.8	87	-0.01
44	T	1,1-Biphenyl	1.495	1.567	-4.8	86	-0.01
45	T	DIMETHYL PHTHALATE	1.255	1.317	-4.9	85	-0.01
46	T	2,6-DinitroToluene	0.290	0.308	-6.2	85	-0.01
47	T	Acenaphthylene	1.915	1.946	-1.6	84	-0.01
48	T	3-Nitroaniline	0.358	0.373	-4.2	83	-0.01
49	T	Acenaphthene	1.284	1.299	-1.2	84	-0.01
50	T	2,4-Dinitrophenol	0.156	0.202	-29.5#	110	0.00
51	T	4-Nitrophenol	0.155	0.180	-16.1	94	0.00
52	T	Dibenzofuran	1.695	1.717	-1.3	86	-0.01

660

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328017.D
Acq On : 24 Nov 2025 3:42 pm
Operator : BGL
Sample : 8270STD 50 PPM Inst : GCMSSV2
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 24 15:57:50 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

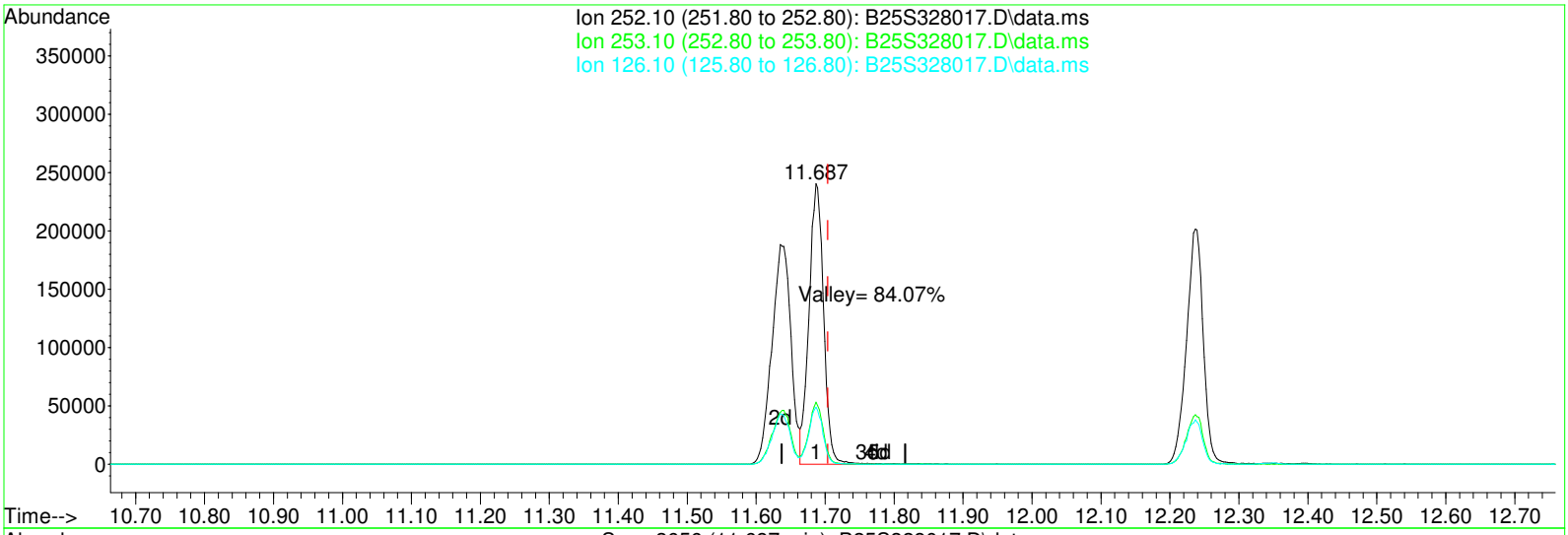
Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

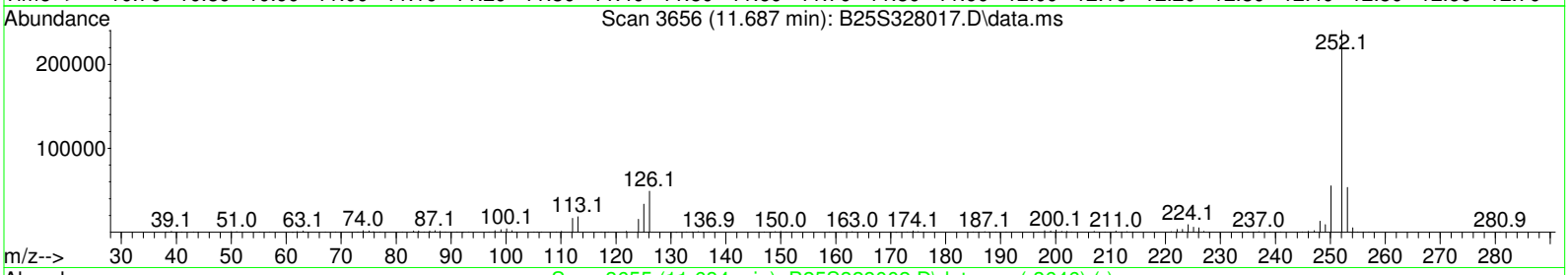
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
53	T	2,4-Dinitrotoluene	0.391	0.420	-7.4	86	0.00
54	T	DIETHYL PHTHALATE	1.191	1.246	-4.6	84	-0.01
55	T	4-Chlorophenyl phenyl ether	0.598	0.627	-4.8	85	-0.01
56	T	Flourene	1.410	1.413	-0.2	83	-0.01
57	T	4-Nitroaniline	0.395	0.400	-1.3	83	0.00
58	I	PHENANTHRENE-D10	1.000	1.000	0.0	82	-0.01
59	T	4,6-Dinitro-2-Methylphenol	0.141	0.152	-7.8	94	0.00
60	T	N-Nitrosodiphenylamine	0.691	0.660	4.5	84	0.00
61	T	1,2-Diphenylhydrazine	0.830	0.762	8.2	80	-0.01
62	T	4-Bromophenyl phenyl ether	0.215	0.224	-4.2	90	-0.01
63	T	Hexachlorobenzene	0.238	0.248	-4.2	90	-0.01
64	T	Pentachlorophenol	0.160	0.161	-0.6	88	0.00
65	T	Pentachloronitrobenzene	0.042	0.043	-2.4	86	-0.01
66	T	Phenanthrene	1.250	1.137	9.0	84	0.00
67	T	Anthracene	1.250	1.166	6.7	82	-0.01
68	T	Carbazole	1.161	1.123	3.3	84	0.00
69	T	Di-N-Butyl Phthalate	1.134	1.176	-3.7	80	-0.01
70	T	Flouranthene	1.235	1.235	0.0	84	-0.01
71	I	CHRYSENE-D12	1.000	1.000	0.0	88	-0.02
72	S	p-Terphenyl-d14	0.828	0.772	6.8	86	-0.01
73	T	Benzidine	0.494	0.383	22.5	73	-0.01
74	T	Pyrene	1.467	1.268	13.6	85	-0.01
75	T	Butylbenzyl phthalate	0.536	0.540	-0.7	84	-0.02
76	T	3,3'-Dichlorobenzidine	0.420	0.468	-11.4	99	-0.01
77	T	Benzo(a)anthracene	1.349	1.268	6.0	88	-0.02
78	T	Chrysene	1.334	1.222	8.4	88	-0.02
79	T	Bis(2-ethylhexyl)phthalate	0.614	0.676	-10.1	79	-0.02
80	I	PERYLENE-D12	1.000	1.000	0.0	92	-0.02
81	T	Di-n-octylphthalate	0.981	1.084	-10.5	89	-0.02
82	T	Benzo(b)fluoranthene	1.227	1.218	0.7	94	-0.02
83	T	Benzo(k)fluoranthene	1.218	1.176	3.4	89	-0.02
84	T	Benzo(a)pyrene	1.137	1.153	-1.4	93	-0.02
85	T	Indeno(1,2,3-cd)pyrene	1.012	1.057	-4.4	99	-0.01
86	T	Dibenz(a,h)anthracene	1.064	1.093	-2.7	96	0.00
87	T	Benzo(g,h,i)perylene	1.123	1.083	3.6	92	0.00
88	I	1,4-Dichlorobenzene-D4 (2)	1.000	1.000	0.0	0#	-4.70#
89		1,4-Dioxane	0.679	0.000	100.0#	0#	-2.46#
90		Benzaldehyde	1.331	0.000	100.0#	0#	-4.41#
91		Benzyl Alcohol	0.952	0.000	100.0#	0#	-4.78#
92	I	NAPHTHALENE-d8 (2)	1.000	1.000	0.0	0#	-5.49#
93		2,6-Dichlorophenol	0.327	0.000	100.0#	0#	-5.54#
94		Caprolactam	0.123	0.000	100.0#	0#	-5.75#
95	I	ACENAPHTHENE-D10 (2)	1.000	1.000	0.0	0#	-6.58#
96		2,3,4,6-Tetrachlorophenol	0.258	0.000	100.0#	0#	-6.78#
97		Atrazine	0.313	0.000	100.0#	0#	-7.31#

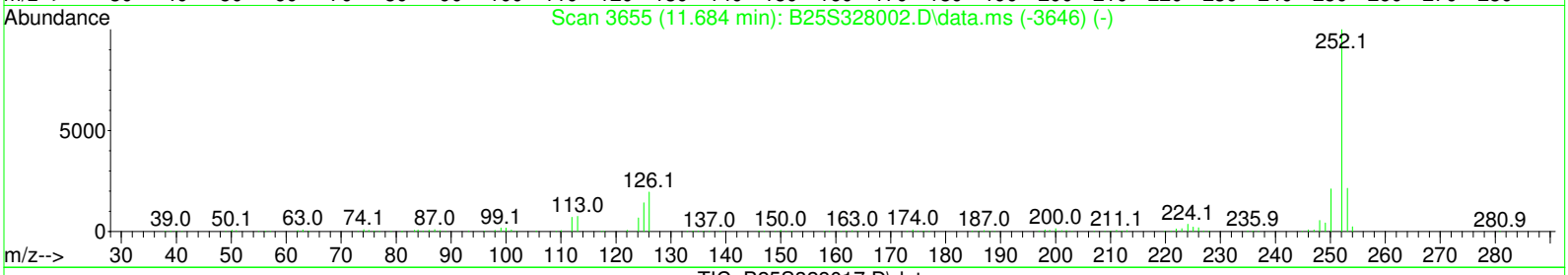
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328017.D
Acq On : 24 Nov 2025 3:42 pm
Operator : BGL
Sample : 8270STD 50 PPM Inst : GCMSSV2
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 24 15:57:50 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration







TIC: B25S328017.D\data.ms

(83) Benzo(k)fluoranthene (T)

11.687min (-0.018) 48.27 ug/ml

response 349027

Ion	Exp%	Act%
252.10	100.00	100.00
253.10	20.70	21.54
126.10	19.40	19.76
0.00	0.00	0.00

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Instrument ID:	GCMSSV2	Calibration:	2500833
Lab File ID:	B25S328018.D	Calibration Date:	10/24/25 00:00
Sequence:	S128977	Injection Date:	11/24/25
Lab Sample ID:	S128977-CCV2	Injection Time:	16:06

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2,3,4,6-Tetrachlorophenol	A	50.00	50.8	0.2580526	0.2621694		1.6	20	
Atrazine	A	50.00	54.1	0.3130468	0.3385753		8.2	20	
Benzaldehyde	A	50.00	36.0	1.330872	0.9575996		-28.0	20	*
Caprolactam	A	50.00	50.6	0.1225767	0.1241501		1.3	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328018.D
Acq On : 24 Nov 2025 4:06 pm
Operator : BGL
Sample : NCEXtras 50 p[pm Inst : GCMSSV2
Misc :
ALS Vial : 18 Sample Multiplier: 1

664

Quant Time: Nov 24 16:22:17 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

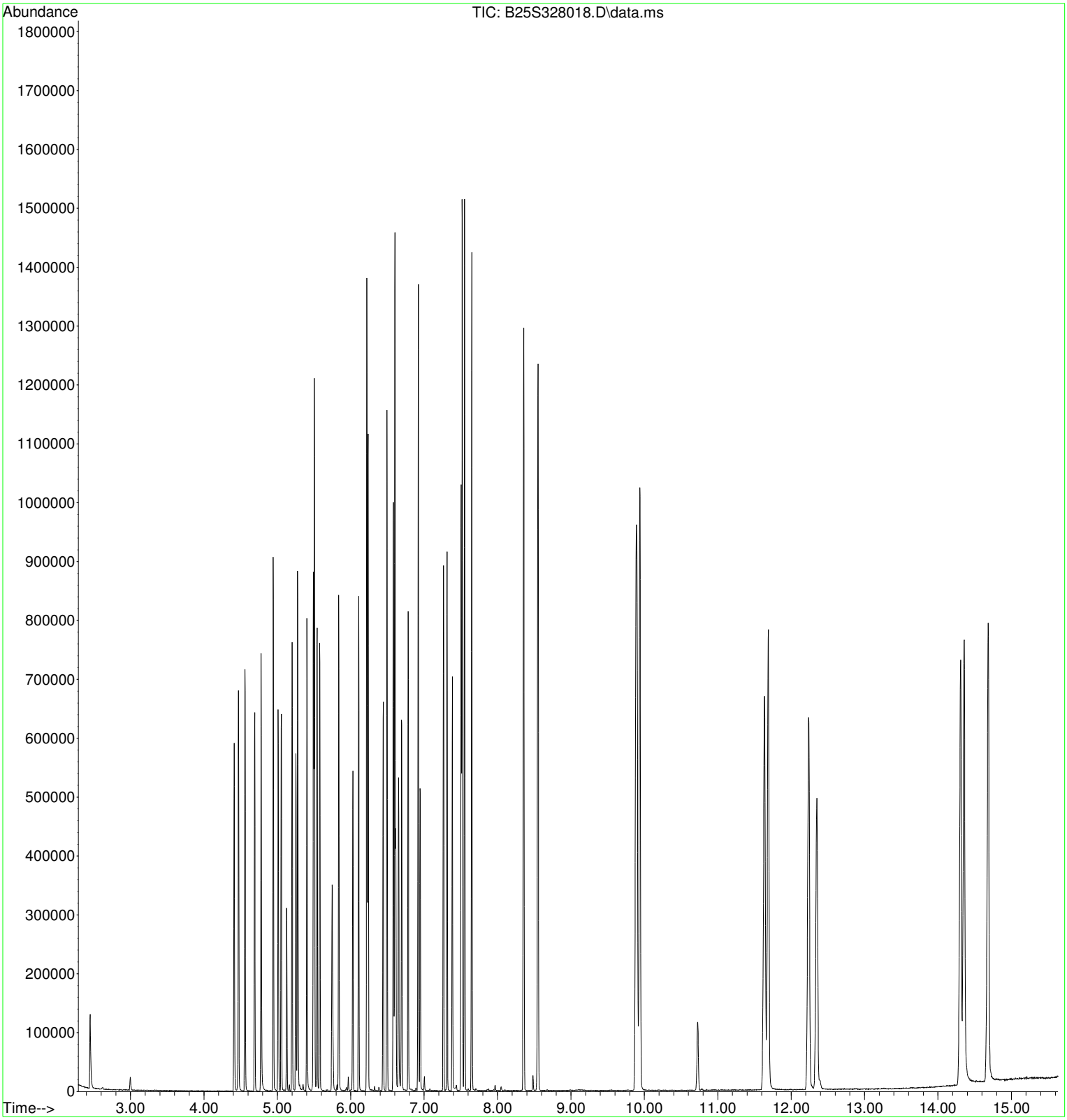
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	0.000	152	0m	40.00	ug/ml	-4.70
19) NAPHTHALENE-d8	0.000	136	0m	40.00	ug/ml	-5.50
35) ACENAPHTHENE-D10	0.000	164	0m	40.00	ug/ml	-6.59
58) PHENANTHRENE-D10	0.000	188	0m	40.00	ug/ml	-7.51
71) CHRYSENE-D12	0.000	240	0m	40.00	ug/ml	-9.91
80) PERYLENE-D12	0.000	264	0m	40.00	ug/ml	-12.36
88) 1,4-Dichlorobenzene-D4...	4.692	152	70254	40.00	ug/ml	-0.01
92) NAPHTHALENE-d8 (2)	5.491	136	271916	40.00	ug/ml	-0.01
95) ACENAPHTHENE-D10 (2)	6.582	164	156836	40.00	ug/ml	-0.01
System Monitoring Compounds						
2) 2-Fluorophenol	0.000	112	0d	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
3) Phenol-d6	0.000	99	0d	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
20) Nitrobenzene-d5	0.000	82	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
36) 2-Fluorobiphenyl	0.000	172	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
37) 2,4,6-Tribromophenol	0.000	330	0d	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
72) p-Terphenyl-d14	0.000	244	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
89) 1,4-Dioxane	2.449	88	44972	37.70	ug/ml	95
90) Benzaldehyde	4.411	106	84094	35.98	ug/ml	98
91) Benzyl Alcohol	4.779	108	79635	47.61	ug/ml	95
93) 2,6-Dichlorophenol	5.543	162	106164	47.75	ug/ml	99
94) Caprolactam	5.749	113	42198	50.64	ug/ml	95
96) 2,3,4,6-Tetrachlorophenol	6.782	230	51397	50.80	ug/ml	97
97) Atrazine	7.312	200	66376	54.08	ug/ml	99

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

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328018.D
Acq On : 24 Nov 2025 4:06 pm
Operator : BGL
Sample : NCEXtras 50 p[pm Inst : GCMSSV2
Misc :
ALS Vial : 18 Sample Multiplier: 1

665

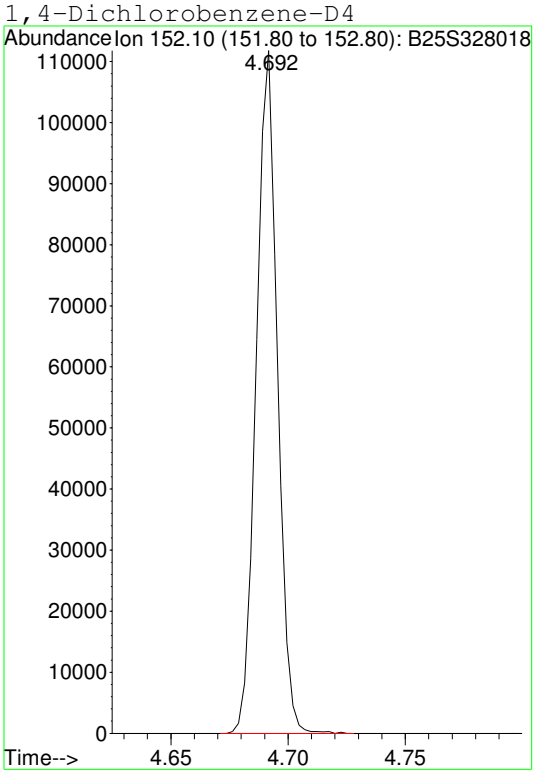
Quant Time: Nov 24 16:22:17 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328018.D
Acq On : 24 Nov 2025 4:06 pm
Operator : BGL
Sample : NCEXtras 50 p[pm
Misc :

Quant Time : Tue Nov 25 08:50:19 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
1,4-Dichlorobenzene-D4



Original Int. Results

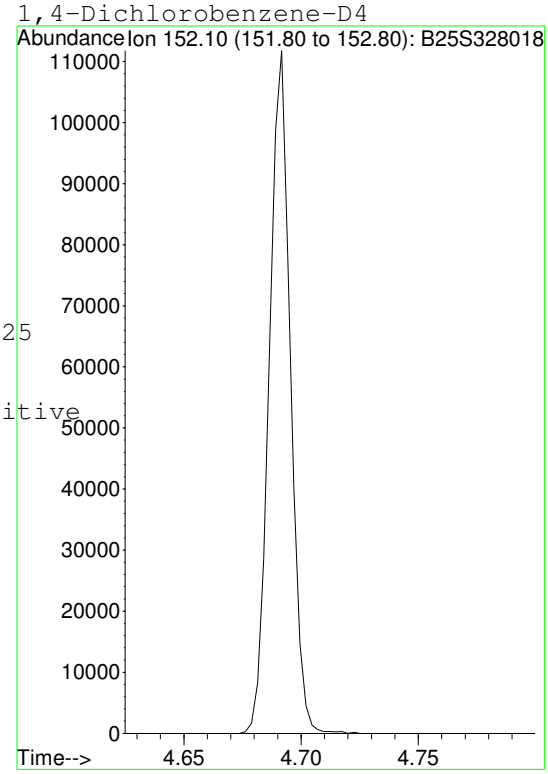
RT : 4.69
Area : 70254
Amount: 40

Manual Int. Results

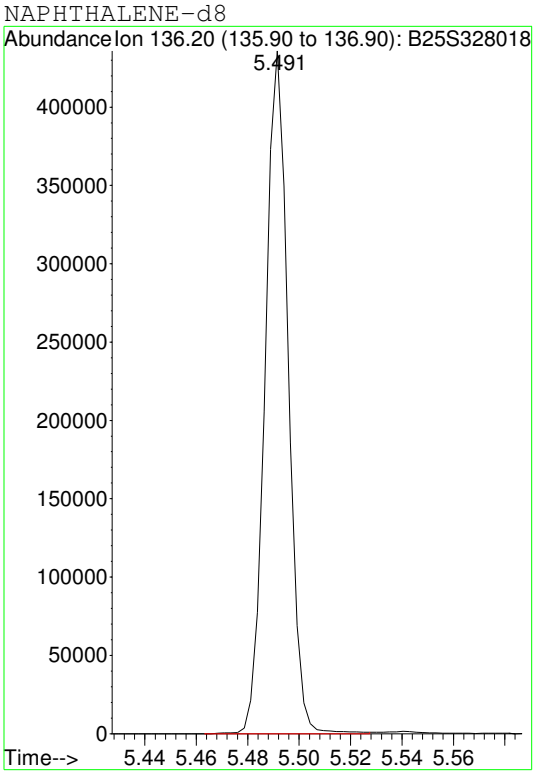
Tue Nov 25 08:50:19 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

Manual Integration
1,4-Dichlorobenzene-D4



Original Integration
NAPHTHALENE-d8



Original Int. Results

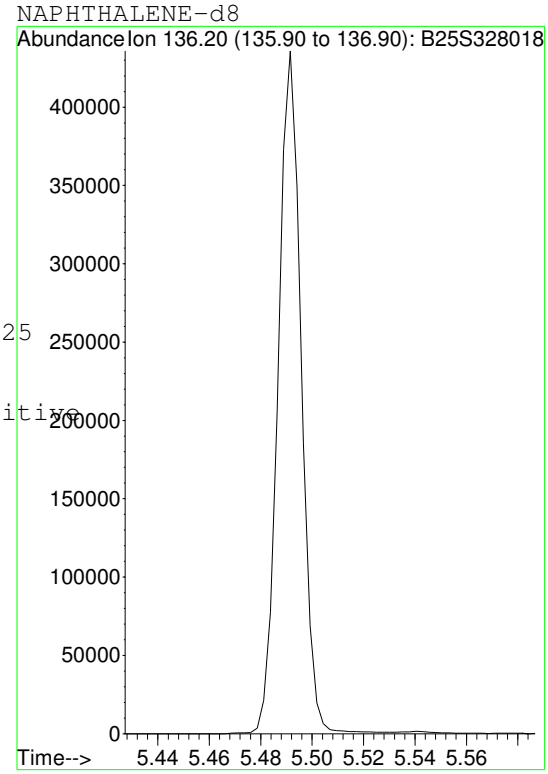
RT : 5.49
Area : 271916
Amount: 40

Manual Int. Results

Tue Nov 25 08:50:17 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

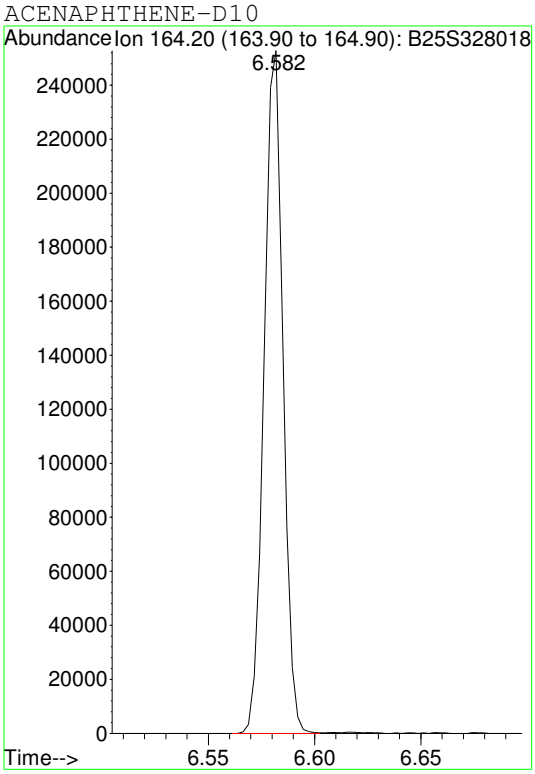
Manual Integration
NAPHTHALENE-d8



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328018.D
Acq On : 24 Nov 2025 4:06 pm
Operator : BGL
Sample : NCEXtras 50 p[pm
Misc :

Quant Time : Tue Nov 25 08:50:19 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
ACENAPHTHENE-D10



Original Int. Results

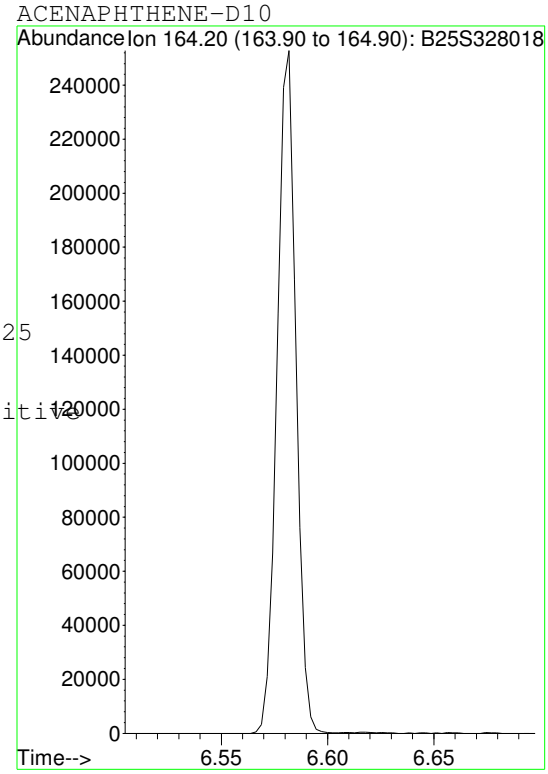
RT : 6.58
Area : 156836
Amount: 40

Manual Int. Results

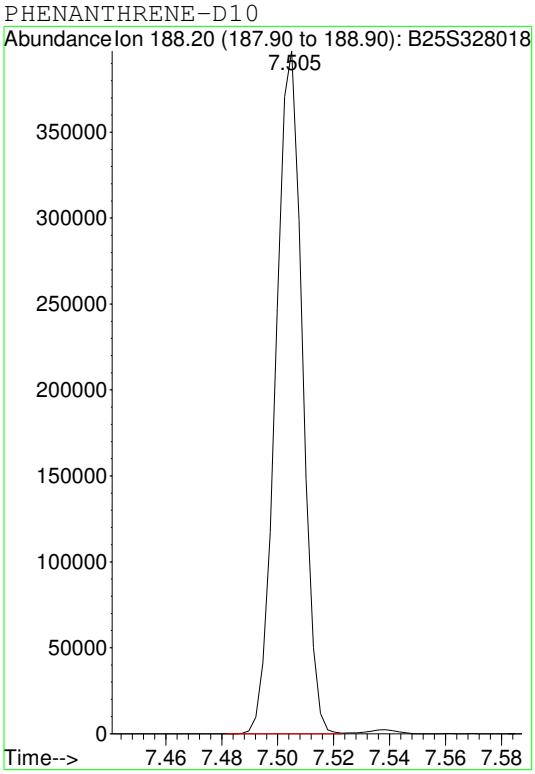
Tue Nov 25 08:50:15 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

Manual Integration
ACENAPHTHENE-D10



Original Integration
PHENANTHRENE-D10



Original Int. Results

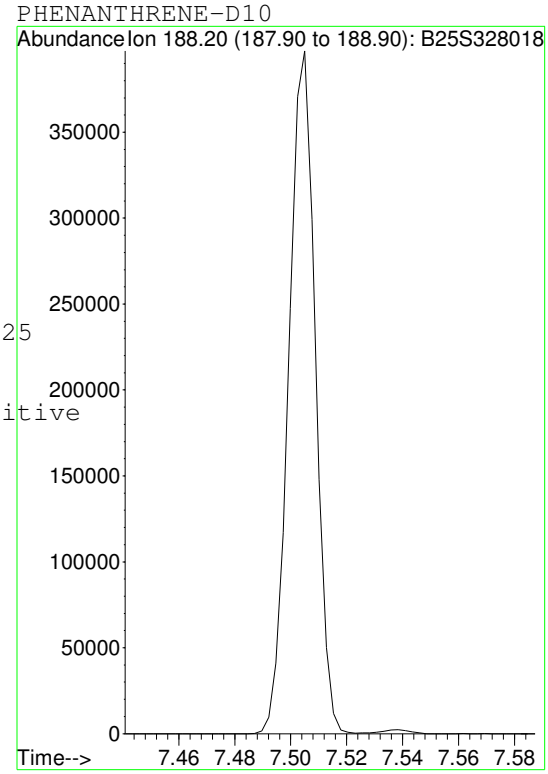
RT : 7.51
Area : 261787
Amount: 40

Manual Int. Results

Tue Nov 25 08:50:12 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

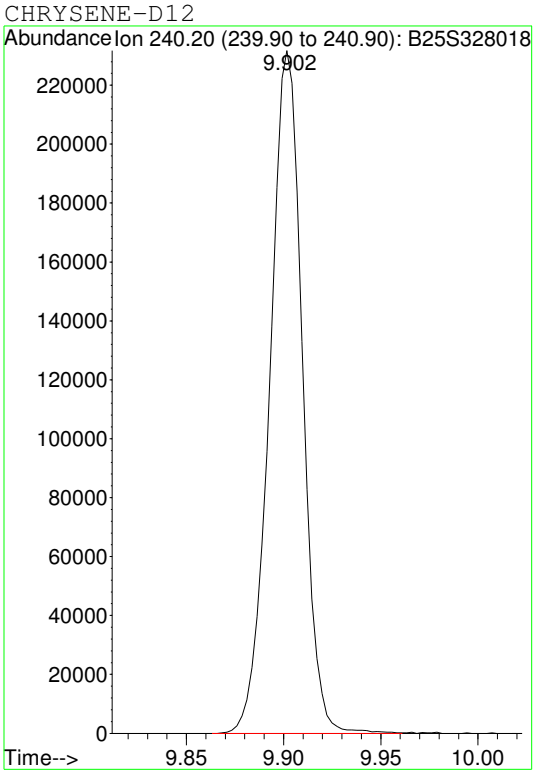
Manual Integration
PHENANTHRENE-D10



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328018.D
Acq On : 24 Nov 2025 4:06 pm
Operator : BGL
Sample : NCEXtras 50 p[pm
Misc :

Quant Time : Tue Nov 25 08:50:19 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
CHRYSENE-D12



Original Int. Results

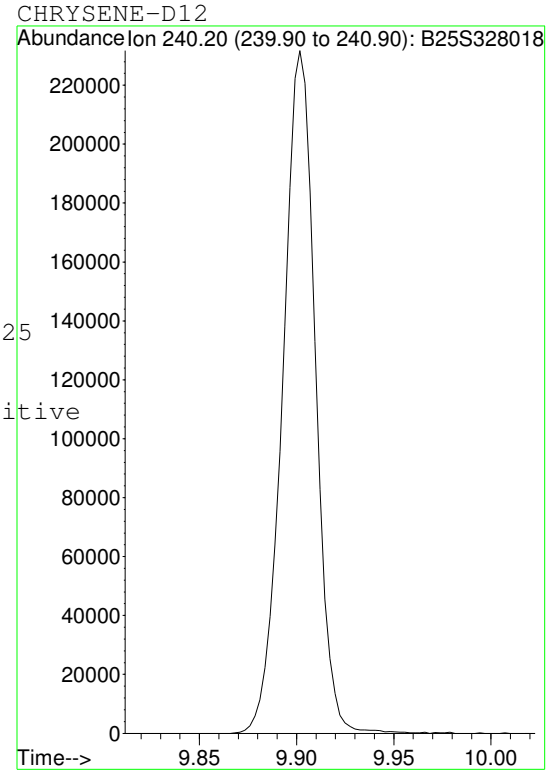
RT : 9.90
Area : 269535
Amount: 40

Manual Int. Results

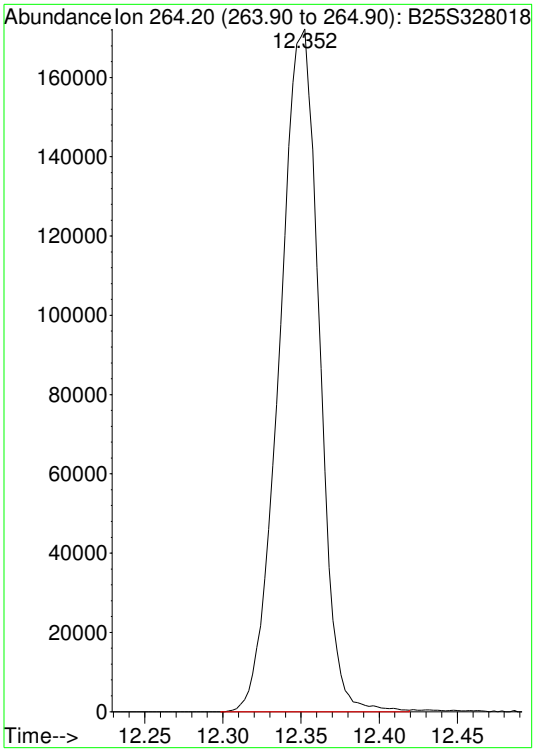
Tue Nov 25 08:50:10 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

Manual Integration
CHRYSENE-D12



Original Integration
PERYLENE-D12



Original Int. Results

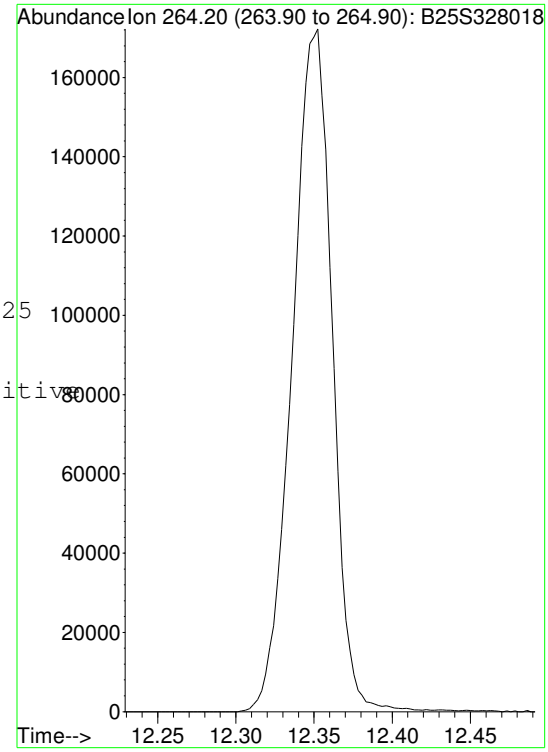
RT : 12.35
Area : 304885
Amount: 40

Manual Int. Results

Tue Nov 25 08:50:09 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

Manual Integration
PERYLENE-D12



Evaluate Continuing Calibration Report

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Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328018.D
Acq On : 24 Nov 2025 4:06 pm
Operator : BGL
Sample : NCEXtras 50 p[pm Inst : GCMSSV2
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 24 16:22:17 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-D4	1.000	1.000	0.0	0#	-4.70#
2	S	2-Fluorophenol	1.118	0.000	100.0#	0#	-3.84#
3	S	Phenol-d6	1.843	0.000	100.0#	0#	-4.47#
4	T	N-Nitrosodimethylamine	0.712	0.000	100.0#	0#	-2.77#
5	T	Pyridine	1.701	0.000	100.0#	0#	-2.79#
6	T	Aniline	2.440	0.000	100.0#	0#	-4.49#
7	T	Phenol	2.018	0.000	100.0#	0#	-4.48#
8	T	Bis(2-chloroethyl)ether	1.026	0.000	100.0#	0#	-4.53#
9	T	2-Chlorophenol	1.575	0.000	100.0#	0#	-4.57#
10	T	1,3-Dichlorobenzene	1.642	0.000	100.0#	0#	-4.67#
11	T	1,4-Dichlorobenzene	1.681	0.000	100.0#	0#	-4.71#
12	T	1,2-Dichlorobenzene	1.585	0.000	100.0#	0#	-4.81#
13	T	2- METHYLPHENOL	1.435	0.000	100.0#	0#	-4.86#
14	T	2,2'-oxybis(1-chloropropane	1.664	0.000	100.0#	0#	-4.87#
15	T	Acetophenone	2.062	0.000	100.0#	0#	-4.96#
16	T	3/4- METHYLPHENOL	1.596	0.000	100.0#	0#	-4.95#
17	T	N-Nitroso-Di-N-Propylamine	1.071	0.000	100.0#	0#	-4.96#
18	T	Hexachloroethane	0.644	0.000	100.0#	0#	-5.02#
19	I	NAPHTHALENE-d8	1.000	1.000	0.0	0#	-5.50#
20	S	Nitrobenzene-d5	0.398	0.000	100.0#	0#	-5.05#
21	T	NITROBENZENE	0.401	0.000	100.0#	0#	-5.07#
22	T	Isophorone	0.673	0.000	100.0#	0#	-5.21#
23	T	2-Nitrophenol	0.198	0.000	100.0#	0#	-5.27#
24	T	2,4-Dimethylphenol	0.319	0.000	100.0#	0#	-5.28#
25	T	Bis(2-Chloroethoxy)methane	0.441	0.000	100.0#	0#	-5.34#
26	T	Benzoic Acid	0.197	0.000	100.0#	0#	-5.34#
27	T	2,4-Dichlorophenol	0.304	0.000	100.0#	0#	-5.41#
28	T	1,2,4-Trichlorobenzene	0.326	0.000	100.0#	0#	-5.47#
29	T	Naphthalene	1.100	0.000	100.0#	0#	-5.52#
30	T	4-Chloroaniline	0.474	0.000	100.0#	0#	-5.55#
31	T	Hexachlorobutadiene	0.164	0.000	100.0#	0#	-5.59#
32	T	4-Chloro-3-Methylphenol	0.317	0.000	100.0#	0#	-5.84#
33	T	2-MethylNaphthalene	0.747	0.000	100.0#	0#	-5.94#
34	T	1-Methylnaphthalene	0.703	0.000	100.0#	0#	-6.01#
35	I	ACENAPHTHENE-D10	1.000	1.000	0.0	0#	-6.59#
36	S	2-Fluorobiphenyl	1.321	0.000	100.0#	0#	-6.17#
37	S	2,4,6-Tribromophenol	0.178	0.000	100.0#	0#	-7.08#
38	T	Hexachlorocyclopentadiene	0.318	0.000	100.0#	0#	-6.04#
39	T	1,2,4,5-Tetrachlorobenzene	0.557	0.000	100.0#	0#	-6.05#
40	T	2,4,6-Trichlorophenol	0.377	0.000	100.0#	0#	-6.12#
41	T	2,4,5-Trichlorophenol	0.396	0.000	100.0#	0#	-6.14#
42	T	2-ChloroNaphthalene	1.423	0.000	100.0#	0#	-6.25#
43	T	2-Nitroaniline	0.365	0.000	100.0#	0#	-6.31#
44	T	1,1-Biphenyl	1.495	0.000	100.0#	0#	-6.23#
45	T	DIMETHYL PHTHALATE	1.255	0.000	100.0#	0#	-6.41#
46	T	2,6-DinitroToluene	0.290	0.000	100.0#	0#	-6.45#
47	T	Acenaphthylene	1.915	0.000	100.0#	0#	-6.50#
48	T	3-Nitroaniline	0.358	0.000	100.0#	0#	-6.56#
49	T	Acenaphthene	1.284	0.000	100.0#	0#	-6.61#
50	T	2,4-Dinitrophenol	0.156	0.000	100.0#	0#	-6.62#
51	T	4-Nitrophenol	0.155	0.000	100.0#	0#	-6.65#
52	T	Dibenzofuran	1.695	0.000	100.0#	0#	-6.72#

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328018.D
Acq On : 24 Nov 2025 4:06 pm
Operator : BGL
Sample : NCEXtras 50 p[pm Inst : GCMSSV2
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 24 16:22:17 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
53	T	2,4-Dinitrotoluene	0.391	0.000	100.0#	0#	-6.70#
54	T	DIETHYL PHTHALATE	1.191	0.000	100.0#	0#	-6.85#
55	T	4-Chlorophenyl phenyl ether	0.598	0.000	100.0#	0#	-6.92#
56	T	Flourene	1.410	0.000	100.0#	0#	-6.93#
57	T	4-Nitroaniline	0.395	0.000	100.0#	0#	-6.94#
58	I	PHENANTHRENE-D10	1.000	1.000	0.0	0#	-7.51#
59	T	4,6-Dinitro-2-Methylphenol	0.141	0.000	100.0#	0#	-6.96#
60	T	N-Nitrosodiphenylamine	0.691	0.000	100.0#	0#	-7.00#
61	T	1,2-Diphenylhydrazine	0.830	0.000	100.0#	0#	-7.02#
62	T	4-Bromophenyl phenyl ether	0.215	0.000	100.0#	0#	-7.23#
63	T	Hexachlorobenzene	0.238	0.000	100.0#	0#	-7.27#
64	T	Pentachlorophenol	0.160	0.000	100.0#	0#	-7.39#
65	T	Pentachloronitrobenzene	0.042	0.000	100.0#	0#	-7.40#
66	T	Phenanthrene	1.250	0.000	100.0#	0#	-7.53#
67	T	Anthracene	1.250	0.000	100.0#	0#	-7.56#
68	T	Carbazole	1.161	0.000	100.0#	0#	-7.66#
69	T	Di-N-Butyl Phthalate	1.134	0.000	100.0#	0#	-7.87#
70	T	Flouranthene	1.235	0.000	100.0#	0#	-8.37#
71	I	CHRYSENE-D12	1.000	1.000	0.0	0#	-9.91#
72	S	p-Terphenyl-d14	0.828	0.000	100.0#	0#	-8.69#
73	T	Benzidine	0.494	0.000	100.0#	0#	-8.47#
74	T	Pyrene	1.467	0.000	100.0#	0#	-8.56#
75	T	Butylbenzyl phthalate	0.536	0.000	100.0#	0#	-9.20#
76	T	3,3'-Dichlorobenzidine	0.420	0.000	100.0#	0#	-9.87#
77	T	Benzo(a)anthracene	1.349	0.000	100.0#	0#	-9.90#
78	T	Chrysene	1.334	0.000	100.0#	0#	-9.95#
79	T	Bis(2-ethylhexyl)phthalate	0.614	0.000	100.0#	0#	-9.98#
80	I	PERYLENE-D12	1.000	1.000	0.0	0#	-12.36#
81	T	Di-n-octylphthalate	0.981	0.000	100.0#	0#	-11.07#
82	T	Benzo(b)fluoranthene	1.227	0.000	100.0#	0#	-11.65#
83	T	Benzo(k)fluoranthene	1.218	0.000	100.0#	0#	-11.70#
84	T	Benzo(a)pyrene	1.137	0.000	100.0#	0#	-12.25#
85	T	Indeno(1,2,3-cd)pyrene	1.012	0.000	100.0#	0#	-14.31#
86	T	Dibenz(a,h)anthracene	1.064	0.000	100.0#	0#	-14.36#
87	T	Benzo(g,h,i)perylene	1.123	0.000	100.0#	0#	-14.69#
88	I	1,4-Dichlorobenzene-D4 (2)	1.000	1.000	0.0	130	-0.01
89		1,4-Dioxane	0.679	0.512	24.6	104	0.00
90		Benzaldehyde	1.331	0.958	28.0#	97	0.00
91		Benzyl Alcohol	0.952	0.907	4.7	124	0.00
92	I	NAPHTHALENE-d8 (2)	1.000	1.000	0.0	125	0.00
93		2,6-Dichlorophenol	0.327	0.312	4.6	123	0.00
94		Caprolactam	0.123	0.124	-0.8	122	0.00
95	I	ACENAPHTHENE-D10 (2)	1.000	1.000	0.0	129	0.00
96		2,3,4,6-Tetrachlorophenol	0.258	0.262	-1.6	132	0.00
97		Atrazine	0.313	0.339	-8.3	142	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Instrument ID:	GCMSSV2	Calibration:	2500833
Lab File ID:	B25S329003.D	Calibration Date:	10/24/25 00:00
Sequence:	S129060	Injection Date:	11/25/25
Lab Sample ID:	S129060-CCV1	Injection Time:	14:08

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Biphenyl	A	50.00	53.5	1.495152	1.600547		7.0	20	
Acenaphthene	A	50.00	51.0	1.283793	1.308101		1.9	20	
Acenaphthylene	A	50.00	51.6	1.914559	1.976639		3.2	20	
Acetophenone	A	50.00	49.5	2.06238	2.041434		-1.0	20	
Aniline	A	50.00	40.0	2.440195	1.953671		-19.9	20	
Anthracene	A	50.00	47.1	1.249775	1.177856		-5.8	20	
Benzo(a)anthracene	A	50.00	47.3	1.349457	1.276789		-5.4	20	
Benzo(a)pyrene	A	50.00	50.0	1.137268	1.137574		0.03	20	
Benzo(b)fluoranthene	A	50.00	49.0	1.22697	1.201741		-2.1	20	
Benzo(g,h,i)perylene	A	50.00	47.2	1.123312	1.059525		-5.7	20	
Benzo(k)fluoranthene	A	50.00	48.0	1.217987	1.168618		-4.1	20	
Bis(2-chloroethoxy)methane	A	50.00	47.8	0.4411299	0.4212422		-4.5	20	
Bis(2-chloroethyl)ether	A	50.00	49.9	1.026405	1.023668		-0.3	20	
2,2'-oxybis(1-Chloropropane)	A	50.00	42.1	1.663981	1.400645		-15.8	20	
Bis(2-Ethylhexyl)phthalate	A	50.00	63.7	0.6136946	0.781531		27.3	20	*
4-Bromophenylphenylether	A	50.00	53.5	0.2145394	0.2294716		7.0	20	
Butylbenzylphthalate	A	50.00	53.8	0.5355861	0.575743		7.5	20	
Carbazole	A	50.00	48.0	1.161077	1.113751		-4.1	20	
4-Chloroaniline	A	50.00	43.1	0.4744047	0.4088204		-13.8	20	
4-Chloro-3-methylphenol	A	50.00	50.9	0.317409	0.3228373		1.7	20	
2-Chloronaphthalene	A	50.00	51.9	1.423093	1.477825		3.8	20	
2-Chlorophenol	A	50.00	48.6	1.574548	1.530592		-2.8	20	
4-Chlorophenylphenylether	A	50.00	54.1	0.5983028	0.6472981		8.2	20	
Chrysene	A	50.00	45.6	1.334226	1.21806		-8.7	20	
Dibenz(a,h)anthracene	A	50.00	49.3	1.063838	1.048358		-1.5	20	
Dibenzofuran	A	50.00	50.9	1.695239	1.725058		1.8	20	
Di-n-butylphthalate	A	50.00	54.2	1.13423	1.230442		8.5	20	
3,3-Dichlorobenzidine	A	50.00	54.9	0.4199577	0.4611167		9.8	20	
2,4-Dichlorophenol	A	50.00	51.6	0.3043154	0.3141952		3.2	20	
Diethylphthalate	A	50.00	52.9	1.190546	1.259597		5.8	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Instrument ID:	GCMSSV2	Calibration:	2500833
Lab File ID:	B25S329003.D	Calibration Date:	10/24/25 00:00
Sequence:	S129060	Injection Date:	11/25/25
Lab Sample ID:	S129060-CCV1	Injection Time:	14:08

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2,4-Dimethylphenol	A	50.00	52.2	0.3194593	0.3336589		4.4	20	
Dimethylphthalate	A	50.00	53.2	1.254799	1.333919		6.3	20	
4,6-Dinitro-2-methylphenol	L	50.00	50.4	0.1410788	0.1549646		0.8	20	
2,4-Dinitrophenol	A	50.00	64.8	0.1563061	0.2024181		29.5	20	*
2,4-Dinitrotoluene	A	50.00	54.3	0.3908701	0.4246655		8.6	20	
2,6-Dinitrotoluene	A	50.00	54.2	0.2895602	0.3140636		8.5	20	
Di-n-octylphthalate	A	50.00	60.7	0.9808358	1.191098		21.4	20	*
Fluoranthene	A	50.00	50.2	1.235066	1.23898		0.3	20	
Fluorene	A	50.00	50.8	1.409714	1.431494		1.5	20	
Hexachlorobenzene	A	50.00	52.6	0.2379867	0.2505942		5.3	20	
Hexachlorobutadiene	A	50.00	55.7	0.163838	0.1826334		11.5	20	
Hexachlorocyclopentadiene	A	50.00	56.3	0.3181379	0.3582572		12.6	20	
Hexachloroethane	A	50.00	52.0	0.6441402	0.6693627		3.9	20	
Indeno(1,2,3-cd)pyrene	A	50.00	51.1	1.012116	1.034068		2.2	20	
Isophorone	A	50.00	48.8	0.6726545	0.6564516		-2.4	20	
1-Methylnaphthalene	A	50.00	49.5	0.7029169	0.6956224		-1.0	20	
2-Methylnaphthalene	A	50.00	48.4	0.7469839	0.722433		-3.3	20	
2-Methylphenol	A	50.00	47.1	1.434992	1.351482		-5.8	20	
3/4-Methylphenol	A	100.0	100	1.59626	1.597359		0.07	20	
Naphthalene	A	50.00	48.8	1.10001	1.073859		-2.4	20	
2-Nitroaniline	A	50.00	51.5	0.3645414	0.375788		3.1	20	
3-Nitroaniline	A	50.00	50.0	0.3577428	0.3579403		0.06	20	
4-Nitroaniline	A	50.00	50.4	0.3949041	0.398301		0.9	20	
Nitrobenzene	A	50.00	50.1	0.4010463	0.4020663		0.3	20	
2-Nitrophenol	A	50.00	55.4	0.1977391	0.2189943		10.7	20	
4-Nitrophenol	A	50.00	54.6	0.1547519	0.1690648		9.2	20	
N-Nitrosodiphenylamine/Diphenylamine	A	42.75	40.2	0.6896138	0.6493347		-5.8	20	
N-Nitrosodi-n-propylamine	A	50.00	51.2	1.070739	1.096371		2.4	20	
Pentachlorophenol	A	50.00	48.4	0.1602803	0.1552151		-3.2	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Instrument ID:	GCMSSV2	Calibration:	2500833
Lab File ID:	B25S329003.D	Calibration Date:	10/24/25 00:00
Sequence:	S129060	Injection Date:	11/25/25
Lab Sample ID:	S129060-CCV1	Injection Time:	14:08

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenanthrene	A	50.00	45.2	1.249551	1.129474		-9.6	20
Phenol	A	50.00	50.9	2.017986	2.055321		1.9	20
Pyrene	A	50.00	43.7	1.467047	1.281796		-12.6	20
Pyridine	A	50.00	45.9	1.700956	1.560504		-8.3	20
1,2,4,5-Tetrachlorobenzene	A	50.00	54.9	0.557057	0.6120563		9.9	20
2,4,5-Trichlorophenol	A	50.00	53.5	0.395503	0.4233237		7.0	20
2,4,6-Trichlorophenol	A	50.00	54.0	0.3769288	0.4072092		8.0	20
2-Fluorophenol	A	100.0	102	1.117548	1.144328		2.4	
Phenol-d6	A	100.0	94.4	1.842676	1.740208		-5.6	
Nitrobenzene-d5	A	50.00	48.8	0.3980805	0.3885514		-2.4	
2-Fluorobiphenyl	A	50.00	51.7	1.320526	1.365925		3.4	
2,4,6-Tribromophenol	A	100.0	118	0.1776466	0.2098044		18.1	
p-Terphenyl-d14	A	50.00	49.9	0.8283524	0.8261472		-0.3	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329003.D
Acq On : 25 Nov 2025 2:08 pm
Operator : BGL
Sample : 8270std 50 ppm 25H0510 Inst : GCMSSV2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 25 14:24:19 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.692	152	58011	40.00	ug/ml	-0.01
19) NAPHTHALENE-d8	5.494	136	233460	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	6.584	164	128779	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	7.508	188	223571	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.907	240	225156	40.00	ug/ml	0.00
80) PERYLENE-D12	12.355	264	251595	40.00	ug/ml	0.00
88) 1,4-Dichlorobenzene-D4...	0.000	152	0m	40.00	ug/ml	-4.70
92) NAPHTHALENE-d8 (2)	0.000	136	0m	40.00	ug/ml	-5.49
95) ACENAPHTHENE-D10 (2)	0.000	164	0m	40.00	ug/ml	-6.58
System Monitoring Compounds						
2) 2-Fluorophenol	3.843	112	165959	102.40	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 51.20%			
3) Phenol-d6	4.468	99	252378	94.44	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 47.22%			
20) Nitrobenzene-d5	5.044	82	113389	48.80	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 48.80%			
36) 2-Fluorobiphenyl	6.160	172	219878	51.72	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 51.72%			
37) 2,4,6-Tribromophenol	7.073	330	67546	118.10	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 59.05%			
72) p-Terphenyl-d14	8.680	244	232515	49.87	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 49.87%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.755	42	53329	51.63	ug/ml	87
5) Pyridine	2.781	79	113158	45.87	ug/ml	99
6) Aniline	4.483	93	141668	40.03	ug/ml#	22
7) Phenol	4.478	94	149039	50.93	ug/ml#	54
8) Bis(2-chloroethyl)ether	4.524	63	74230	49.87	ug/ml	94
9) 2-Chlorophenol	4.563	128	110989	48.60	ug/ml	96
10) 1,3-Dichlorobenzene	4.656	146	119838	50.33	ug/ml	99
11) 1,4-Dichlorobenzene	4.705	146	122192	50.11	ug/ml	99
12) 1,2-Dichlorobenzene	4.802	146	115876	50.42	ug/ml	99
13) 2- METHYLPHENOL	4.859	108	98001	47.09	ug/ml	96
14) 2,2'-oxybis(1-chloropr...	4.864	45	101566	42.09	ug/ml	92
15) Acetophenone	4.949	105	148032	49.49	ug/ml	97
16) 3/4- METHYLPHENOL	4.954	107	231661	100.07	ug/ml	99
17) N-Nitroso-Di-N-Propyla...	4.949	70	79502	51.20	ug/ml	88
18) Hexachloroethane	5.013	117	48538	51.96	ug/ml	95
21) NITROBENZENE	5.057	77	117333	50.13	ug/ml	95
22) Isophorone	5.203	82	191569	48.80	ug/ml	98
23) 2-Nitrophenol	5.255	139	63908	55.37	ug/ml	99
24) 2,4-Dimethylphenol	5.281	122	97370	52.22	ug/ml	94
25) Bis(2-Chloroethoxy)met...	5.335	93	122929	47.75	ug/ml	99
26) Benzoic Acid	5.345	122	69684	60.46	ug/ml	89
27) 2,4-Dichlorophenol	5.407	162	91690	51.62	ug/ml	99
28) 1,2,4-Trichlorobenzene	5.458	180	97273	51.17	ug/ml	100
29) Naphthalene	5.507	128	313379	48.81	ug/ml	100
30) 4-Chloroaniline	5.540	127	119304	43.09	ug/ml	97
31) Hexachlorobutadiene	5.579	225	53297	55.74	ug/ml	99
32) 4-Chloro-3-Methylphenol	5.841	107	94212	50.86	ug/ml	97
33) 2-MethylNaphthalene	5.936	142	210824	48.36	ug/ml	99
34) 1-Methylnaphthalene	5.998	142	203000	49.48	ug/ml	99
38) Hexachlorocyclopentadiene	6.031	237	57670	56.31	ug/ml	99
39) 1,2,4,5-Tetrachloroben...	6.039	216	98525	54.94	ug/ml	99
40) 2,4,6-Trichlorophenol	6.111	196	65550	54.02	ug/ml	98

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329003.D
Acq On : 25 Nov 2025 2:08 pm
Operator : BGL
Sample : 8270std 50 ppm 25H0510 Inst : GCMSSV2
Misc :
ALS Vial : 3 Sample Multiplier: 1

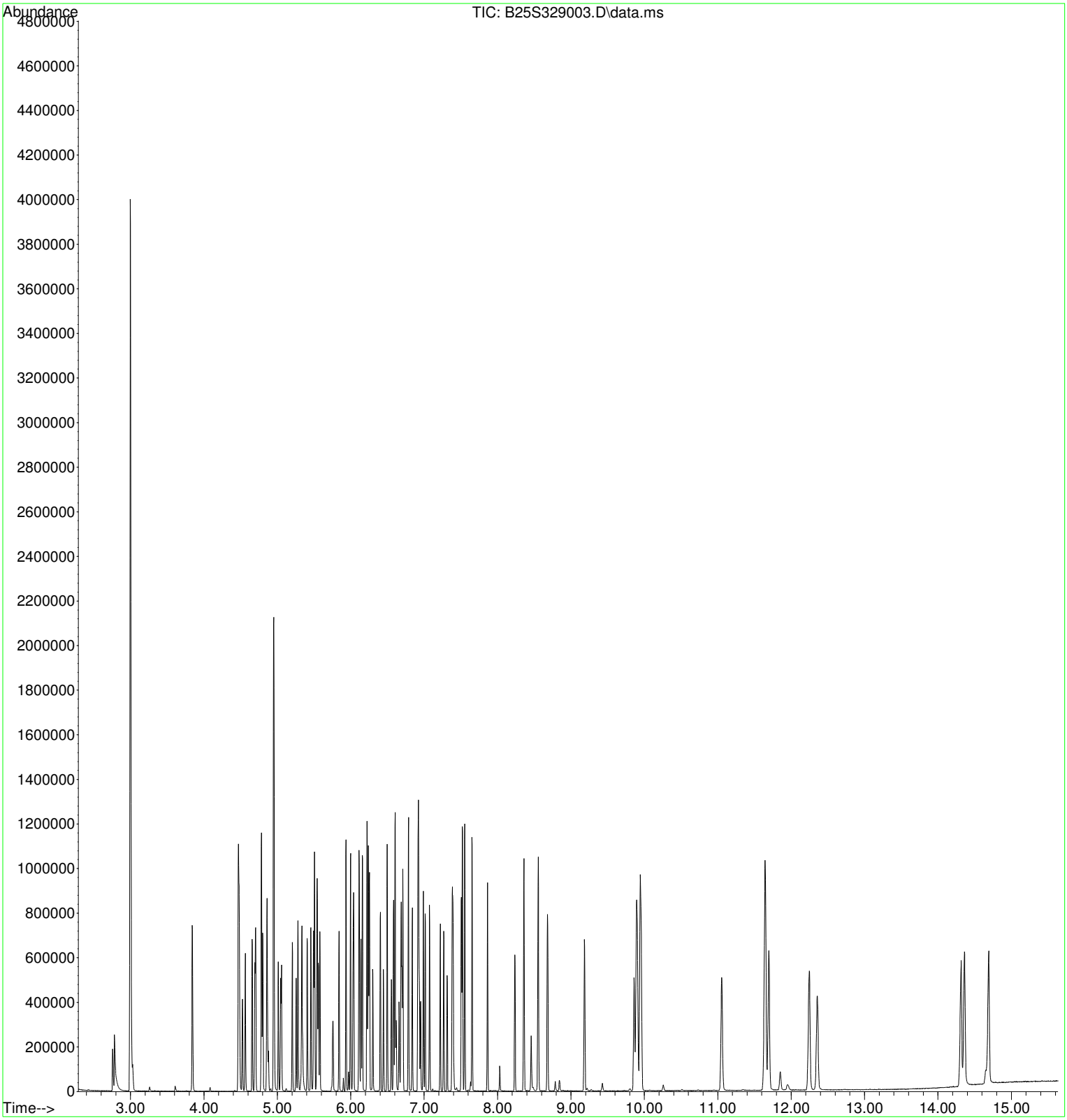
Quant Time: Nov 25 14:24:19 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 2,4,5-Trichlorophenol	6.139	196	68144	53.52	ug/ml	93
42) 2-ChloroNaphthalene	6.240	162	237891	51.92	ug/ml	98
43) 2-Nitroaniline	6.299	65	60492	51.54	ug/ml	99
44) 1,1-Biphenyl	6.222	154	257646	53.52	ug/ml	99
45) DIMETHYL PHTHALATE	6.404	163	214726	53.15	ug/ml	100
46) 2,6-DinitroToluene	6.445	165	50556	54.23	ug/ml	95
47) Acenaphthylene	6.497	152	318187	51.62	ug/ml	100
48) 3-Nitroaniline	6.553	138	57619	50.03	ug/ml	98
49) Acenaphthene	6.605	154	210570	50.95	ug/ml	98
50) 2,4-Dinitrophenol	6.620	184	32584	64.75	ug/ml	94
51) 4-Nitrophenol	6.659	109	27215	54.62	ug/ml	96
52) Dibenzofuran	6.710	168	277689	50.88	ug/ml	97
53) 2,4-Dinitrotoluene	6.697	165	68360	54.32	ug/ml	95
54) DIETHYL PHTHALATE	6.839	149	202762	52.90	ug/ml	97
55) 4-Chlorophenyl phenyl ...	6.916	204	104198	54.09	ug/ml	98
56) Flourene	6.924	166	230433	50.77	ug/ml	99
57) 4-Nitroaniline	6.934	138	64116	50.43	ug/ml	97
59) 4,6-Dinitro-2-Methylph...	6.952	198	43307	50.39	ug/ml	92
60) N-Nitrosodiphenylamine	6.988	169	155153	40.19	ug/ml	99
61) 1,2-Diphenylhydrazine	7.014	77	204198	44.01	ug/ml	95
62) 4-Bromophenyl phenyl e...	7.220	248	64129	53.48	ug/ml	95
63) Hexachlorobenzene	7.268	284	70032	52.65	ug/ml	93
64) Pentachlorophenol	7.389	266	43377	48.42	ug/ml	100
65) Pentachloronitrobenzene	7.394	295	13258	57.10	ug/ml#	89
66) Phenanthrene	7.523	178	315647	45.20	ug/ml	100
67) Anthracene	7.554	178	329168	47.12	ug/ml	100
68) Carbazole	7.654	167	311253	47.96	ug/ml	99
69) Di-N-Butyl Phthalate	7.862	149	343864	54.24	ug/ml	99
70) Flouranthene	8.359	202	346250	50.16	ug/ml	99
73) Benzidine	8.459	184	85906	30.89	ug/ml	96
74) Pyrene	8.554	202	360755	43.69	ug/ml	99
75) Butylbenzyl phthalate	9.184	149	162040	53.75	ug/ml	92
76) 3,3'-Dichlorobenzidine	9.861	252	129779	54.90	ug/ml	99
77) Benzo(a)anthracene	9.891	228	359346	47.31	ug/ml	97
78) Chrysene	9.943	228	342817	45.65	ug/ml	98
79) Bis(2-ethylhexyl)phtha...	9.956	149	219958	63.67	ug/ml	99
81) Di-n-octylphthalate	11.054	149	374593	60.72	ug/ml	96
82) Benzo(b)fluoranthene	11.645	252	377940	48.97	ug/ml	97
83) Benzo(k)fluoranthene	11.697	252	367523	47.97	ug/ml	98
84) Benzo(a)pyrene	12.247	252	357760	50.01	ug/ml	97
85) Indeno(1,2,3-cd)pyrene	14.317	276	325208	51.08	ug/ml	97
86) Dibenz(a,h)anthracene	14.363	278	329702	49.27	ug/ml	98
87) Benzo(g,h,i)perylene	14.692	276	333214	47.16	ug/ml	95

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

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329003.D
Acq On : 25 Nov 2025 2:08 pm
Operator : BGL
Sample : 8270std 50 ppm 25H0510 Inst : GCMSSV2
Misc :
ALS Vial : 3 Sample Multiplier: 1

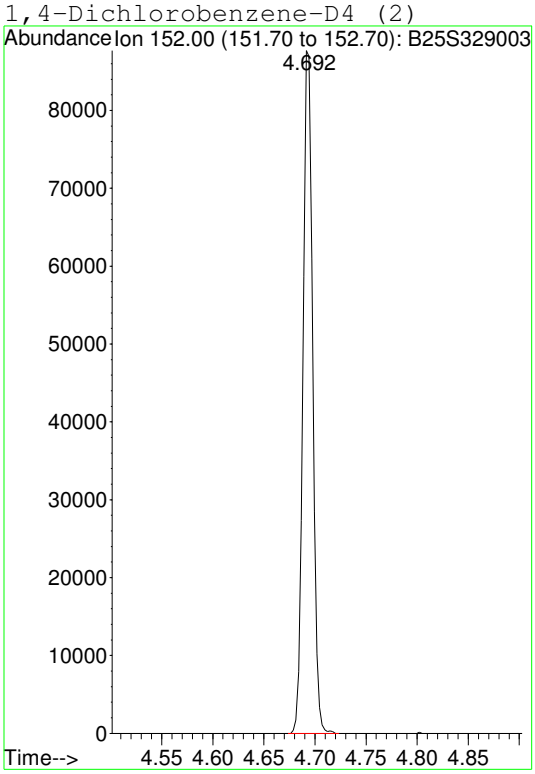
Quant Time: Nov 25 14:24:19 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329003.D
Acq On : 25 Nov 2025 2:08 pm
Operator : BGL
Sample : 8270std 50 ppm 25H0510
Misc :

Quant Time : Wed Nov 26 10:51:10 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
1,4-Dichlorobenzene-D4 (2)



Original Int. Results

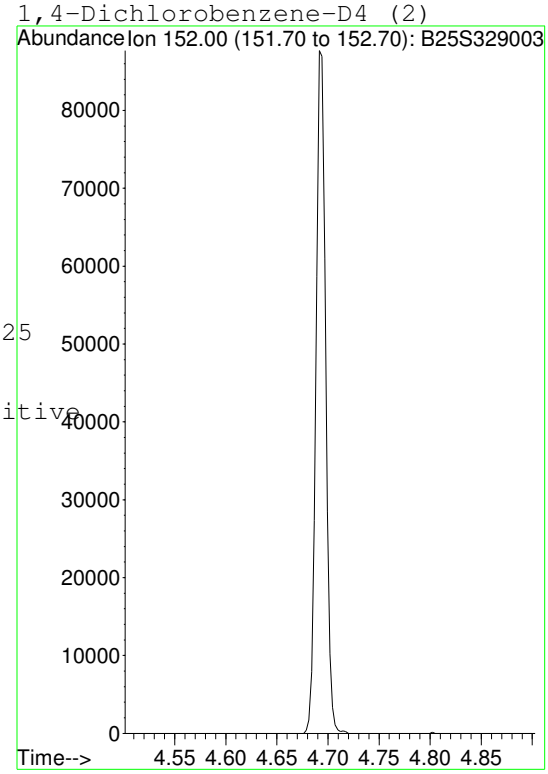
RT : 4.69
Area : 58011
Amount: 40

Manual Int. Results

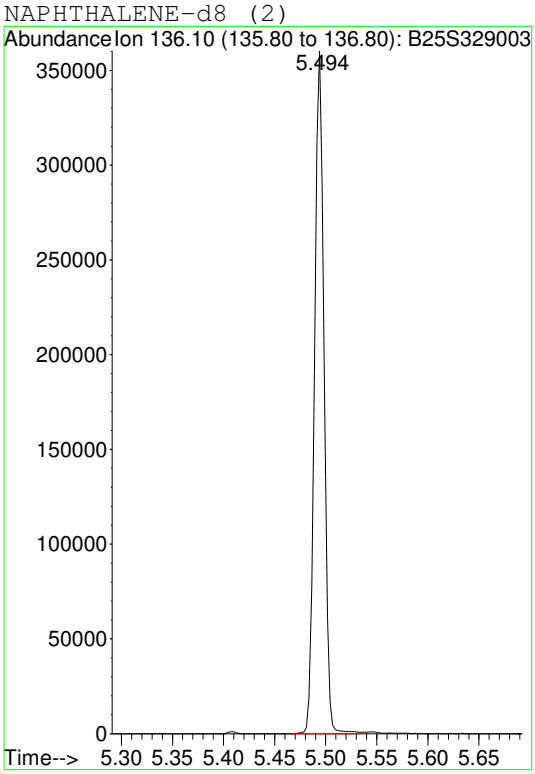
Wed Nov 26 10:51:10 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

Manual Integration
1,4-Dichlorobenzene-D4 (2)



Original Integration
NAPHTHALENE-d8 (2)



Original Int. Results

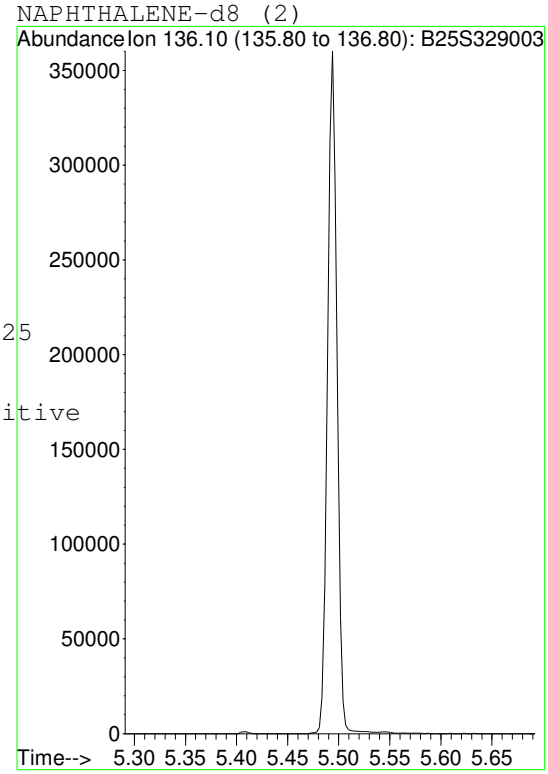
RT : 5.49
Area : 233436
Amount: 40

Manual Int. Results

Wed Nov 26 10:51:09 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

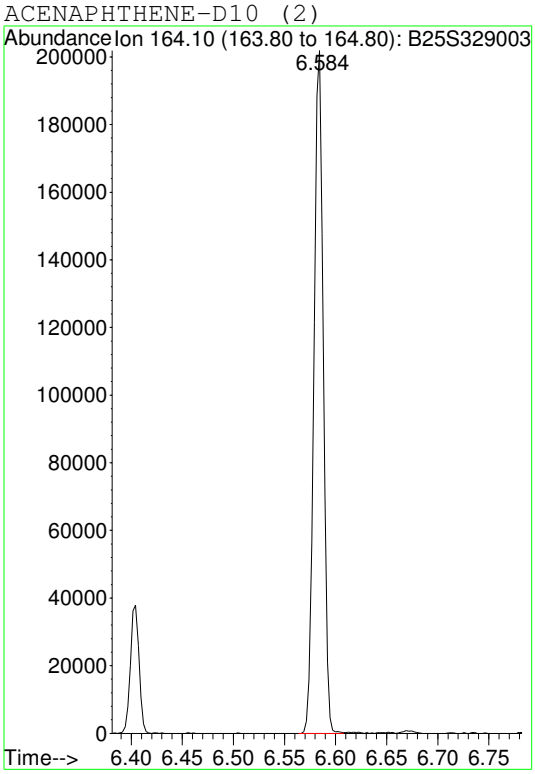
Manual Integration
NAPHTHALENE-d8 (2)



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329003.D
Acq On : 25 Nov 2025 2:08 pm
Operator : BGL
Sample : 8270std 50 ppm 25H0510
Misc :

Quant Time : Wed Nov 26 10:51:10 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
ACENAPHTHENE-D10 (2)



Original Int. Results

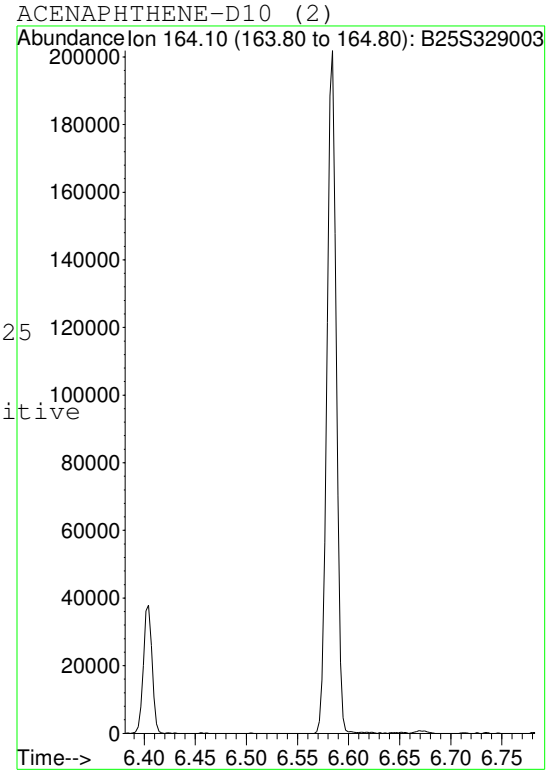
RT : 6.58
Area : 128779
Amount: 40

Manual Int. Results

Wed Nov 26 10:51:09 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

Manual Integration
ACENAPHTHENE-D10 (2)



Evaluate Continuing Calibration Report

680

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329003.D
Acq On : 25 Nov 2025 2:08 pm
Operator : BGL
Sample : 8270std 50 ppm 25H0510 Inst : GCMSSV2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 25 14:24:19 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-D4	1.000	1.000	0.0	84	-0.01
2	S	2-Fluorophenol	1.118	1.144	-2.3	96	0.00
3	S	Phenol-d6	1.843	1.740	5.6	88	0.00
4	T	N-Nitrosodimethylamine	0.712	0.735	-3.2	97	-0.01
5	T	Pyridine	1.701	1.561	8.2	84	-0.01
6	T	Aniline	2.440	1.954	19.9	74	0.00
7	T	Phenol	2.018	2.055	-1.8	93	0.00
8	T	Bis(2-chloroethyl)ether	1.026	1.024	0.2	91	-0.01
9	T	2-Chlorophenol	1.575	1.531	2.8	90	0.00
10	T	1,3-Dichlorobenzene	1.642	1.653	-0.7	93	-0.01
11	T	1,4-Dichlorobenzene	1.681	1.685	-0.2	92	0.00
12	T	1,2-Dichlorobenzene	1.585	1.598	-0.8	92	0.00
13	T	2- METHYLPHENOL	1.435	1.351	5.9	88	0.00
14	T	2,2'-oxybis(1-chloropropane	1.664	1.401	15.8	78	-0.01
15	T	Acetophenone	2.062	2.041	1.0	93	0.00
16	T	3/4- METHYLPHENOL	1.596	1.597	-0.1	92	0.00
17	T	N-Nitroso-Di-N-Propylamine	1.071	1.096	-2.3	96	-0.01
18	T	Hexachloroethane	0.644	0.669	-3.9	93	-0.01
19	I	NAPHTHALENE-d8	1.000	1.000	0.0	84	0.00
20	S	Nitrobenzene-d5	0.398	0.389	2.3	90	-0.01
21	T	NITROBENZENE	0.401	0.402	-0.2	93	-0.01
22	T	Isophorone	0.673	0.656	2.5	88	-0.01
23	T	2-Nitrophenol	0.198	0.219	-10.6	99	-0.01
24	T	2,4-Dimethylphenol	0.319	0.334	-4.7	95	0.00
25	T	Bis(2-Chloroethoxy)methane	0.441	0.421	4.5	86	-0.01
26	T	Benzoic Acid	0.197	0.239	-21.3	107	0.00
27	T	2,4-Dichlorophenol	0.304	0.314	-3.3	93	0.00
28	T	1,2,4-Trichlorobenzene	0.326	0.333	-2.1	93	0.00
29	T	Naphthalene	1.100	1.074	2.4	91	-0.01
30	T	4-Chloroaniline	0.474	0.409	13.7	77	0.00
31	T	Hexachlorobutadiene	0.164	0.183	-11.6	97	-0.01
32	T	4-Chloro-3-Methylphenol	0.317	0.323	-1.9	93	0.00
33	T	2-MethylNaphthalene	0.747	0.722	3.3	89	0.00
34	T	1-Methylnaphthalene	0.703	0.696	1.0	92	0.00
35	I	ACENAPHTHENE-D10	1.000	1.000	0.0	82	0.00
36	S	2-Fluorobiphenyl	1.321	1.366	-3.4	92	0.00
37	S	2,4,6-Tribromophenol	0.178	0.210	-18.0	102	0.00
38	T	Hexachlorocyclopentadiene	0.318	0.358	-12.6	93	-0.01
39	T	1,2,4,5-Tetrachlorobenzene	0.557	0.612	-9.9	95	-0.01
40	T	2,4,6-Trichlorophenol	0.377	0.407	-8.0	94	0.00
41	T	2,4,5-Trichlorophenol	0.396	0.423	-6.8	92	0.00
42	T	2-ChloroNaphthalene	1.423	1.478	-3.9	95	-0.01
43	T	2-Nitroaniline	0.365	0.376	-3.0	91	0.00
44	T	1,1-Biphenyl	1.495	1.601	-7.1	94	-0.01
45	T	DIMETHYL PHTHALATE	1.255	1.334	-6.3	92	0.00
46	T	2,6-DinitroToluene	0.290	0.314	-8.3	92	0.00
47	T	Acenaphthylene	1.915	1.977	-3.2	91	0.00
48	T	3-Nitroaniline	0.358	0.358	0.0	85	0.00
49	T	Acenaphthene	1.284	1.308	-1.9	90	0.00
50	T	2,4-Dinitrophenol	0.156	0.202	-29.5#	117	0.00
51	T	4-Nitrophenol	0.155	0.169	-9.0	94	0.00
52	T	Dibenzofuran	1.695	1.725	-1.8	92	0.00

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329003.D
Acq On : 25 Nov 2025 2:08 pm
Operator : BGL
Sample : 8270std 50 ppm 25H0510 Inst : GCMSSV2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 25 14:24:19 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
53	T	2,4-Dinitrotoluene	0.391	0.425	-8.7	92	0.00
54	T	DIETHYL PHTHALATE	1.191	1.260	-5.8	90	-0.01
55	T	4-Chlorophenyl phenyl ether	0.598	0.647	-8.2	94	0.00
56	T	Flourene	1.410	1.431	-1.5	89	0.00
57	T	4-Nitroaniline	0.395	0.398	-0.8	88	0.00
58	I	PHENANTHRENE-D10	1.000	1.000	0.0	88	0.00
59	T	4,6-Dinitro-2-Methylphenol	0.141	0.155	-9.9	103	0.00
60	T	N-Nitrosodiphenylamine	0.691	0.650	5.9	89	0.00
61	T	1,2-Diphenylhydrazine	0.830	0.731	11.9	83	-0.01
62	T	4-Bromophenyl phenyl ether	0.215	0.229	-6.5	100	0.00
63	T	Hexachlorobenzene	0.238	0.251	-5.5	98	0.00
64	T	Pentachlorophenol	0.160	0.155	3.1	91	0.00
65	T	Pentachloronitrobenzene	0.042	0.047	-11.9	102	0.00
66	T	Phenanthrene	1.250	1.129	9.7	90	0.00
67	T	Anthracene	1.250	1.178	5.8	89	0.00
68	T	Carbazole	1.161	1.114	4.0	90	0.00
69	T	Di-N-Butyl Phthalate	1.134	1.230	-8.5	91	-0.01
70	T	Flouranthene	1.235	1.239	-0.3	91	0.00
71	I	CHRYSENE-D12	1.000	1.000	0.0	92	0.00
72	S	p-Terphenyl-d14	0.828	0.826	0.2	97	-0.01
73	T	Benzidine	0.494	0.305	38.3#	60	0.00
74	T	Pyrene	1.467	1.282	12.6	90	0.00
75	T	Butylbenzyl phthalate	0.536	0.576	-7.5	93	-0.01
76	T	3,3'-Dichlorobenzidine	0.420	0.461	-9.8	102	0.00
77	T	Benzo(a)anthracene	1.349	1.277	5.3	92	-0.01
78	T	Chrysene	1.334	1.218	8.7	92	-0.01
79	T	Bis(2-ethylhexyl)phthalate	0.614	0.782	-27.4#	96	-0.02
80	I	PERYLENE-D12	1.000	1.000	0.0	98	0.00
81	T	Di-n-octylphthalate	0.981	1.191	-21.4	103	-0.02
82	T	Benzo(b)fluoranthene	1.227	1.202	2.0	98	0.00
83	T	Benzo(k)fluoranthene	1.218	1.169	4.0	93	0.00
84	T	Benzo(a)pyrene	1.137	1.138	-0.1	98	0.00
85	T	Indeno(1,2,3-cd)pyrene	1.012	1.034	-2.2	103	0.00
86	T	Dibenz(a,h)anthracene	1.064	1.048	1.5	98	0.00
87	T	Benzo(g,h,i)perylene	1.123	1.060	5.6	96	0.00
88	I	1,4-Dichlorobenzene-D4 (2)	1.000	1.000	0.0	0#	-4.70#
89		1,4-Dioxane	0.679	0.000	100.0#	0#	-2.46#
90		Benzaldehyde	1.331	0.000	100.0#	0#	-4.41#
91		Benzyl Alcohol	0.952	0.000	100.0#	0#	-4.78#
92	I	NAPHTHALENE-d8 (2)	1.000	1.000	0.0	0#	-5.49#
93		2,6-Dichlorophenol	0.327	0.000	100.0#	0#	-5.54#
94		Caprolactam	0.123	0.000	100.0#	0#	-5.75#
95	I	ACENAPHTHENE-D10 (2)	1.000	1.000	0.0	0#	-6.58#
96		2,3,4,6-Tetrachlorophenol	0.258	0.000	100.0#	0#	-6.78#
97		Atrazine	0.313	0.000	100.0#	0#	-7.31#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

683

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329003.D
Acq On : 25 Nov 2025 2:08 pm
Operator : BGL
Sample : 8270std 50 ppm 25H0510 Inst : GCMSSV2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 25 14:24:19 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-D4	40.000	40.000	0.0	84	-0.01
2	S	2-Fluorophenol	100.000	102.396	-2.4	96	0.00
3	S	Phenol-d6	100.000	94.439	5.6	88	0.00
4	T	N-Nitrosodimethylamine	50.000	51.625	-3.3	97	-0.01
5	T	Pyridine	50.000	45.871	8.3	84	-0.01
6	T	Aniline	50.000	40.031	19.9	74	0.00
7	T	Phenol	50.000	50.925	-1.8	93	0.00
8	T	Bis(2-chloroethyl)ether	50.000	49.867	0.3	91	-0.01
9	T	2-Chlorophenol	50.000	48.604	2.8	90	0.00
10	T	1,3-Dichlorobenzene	50.000	50.325	-0.7	93	-0.01
11	T	1,4-Dichlorobenzene	50.000	50.110	-0.2	92	0.00
12	T	1,2-Dichlorobenzene	50.000	50.418	-0.8	92	0.00
13	T	2- METHYLPHENOL	50.000	47.090	5.8	88	0.00
14	T	2,2'-oxybis(1-chloropropane	50.000	42.087	15.8	78	-0.01
15	T	Acetophenone	50.000	49.492	1.0	93	0.00
16	T	3/4- METHYLPHENOL	100.000	100.069	-0.1	92	0.00
17	T	N-Nitroso-Di-N-Propylamine	50.000	51.197	-2.4	96	-0.01
18	T	Hexachloroethane	50.000	51.958	-3.9	93	-0.01
19	I	NAPHTHALENE-d8	40.000	40.000	0.0	84	0.00
20	S	Nitrobenzene-d5	50.000	48.803	2.4	90	-0.01
21	T	NITROBENZENE	50.000	50.127	-0.3	93	-0.01
22	T	Isophorone	50.000	48.796	2.4	88	-0.01
23	T	2-Nitrophenol	50.000	55.375	-10.8	99	-0.01
24	T	2,4-Dimethylphenol	50.000	52.222	-4.4	95	0.00
25	T	Bis(2-Chloroethoxy)methane	50.000	47.746	4.5	86	-0.01
26	T	Benzoic Acid	50.000	60.458	-20.9	107	0.00
27	T	2,4-Dichlorophenol	50.000	51.623	-3.2	93	0.00
28	T	1,2,4-Trichlorobenzene	50.000	51.168	-2.3	93	0.00
29	T	Naphthalene	50.000	48.811	2.4	91	-0.01
30	T	4-Chloroaniline	50.000	43.088	13.8	77	0.00
31	T	Hexachlorobutadiene	50.000	55.736	-11.5	97	-0.01
32	T	4-Chloro-3-Methylphenol	50.000	50.855	-1.7	93	0.00
33	T	2-MethylNaphthalene	50.000	48.357	3.3	89	0.00
34	T	1-Methylnaphthalene	50.000	49.481	1.0	92	0.00
35	I	ACENAPHTHENE-D10	40.000	40.000	0.0	82	0.00
36	S	2-Fluorobiphenyl	50.000	51.719	-3.4	92	0.00
37	S	2,4,6-Tribromophenol	100.000	118.102	-18.1	102	0.00
38	T	Hexachlorocyclopentadiene	50.000	56.305	-12.6	93	-0.01
39	T	1,2,4,5-Tetrachlorobenzene	50.000	54.937	-9.9	95	-0.01
40	T	2,4,6-Trichlorophenol	50.000	54.017	-8.0	94	0.00
41	T	2,4,5-Trichlorophenol	50.000	53.517	-7.0	92	0.00
42	T	2-ChloroNaphthalene	50.000	51.923	-3.8	95	-0.01
43	T	2-Nitroaniline	50.000	51.543	-3.1	91	0.00
44	T	1,1-Biphenyl	50.000	53.525	-7.0	94	-0.01
45	T	DIMETHYL PHTHALATE	50.000	53.153	-6.3	92	0.00
46	T	2,6-DinitroToluene	50.000	54.231	-8.5	92	0.00
47	T	Acenaphthylene	50.000	51.621	-3.2	91	0.00
48	T	3-Nitroaniline	50.000	50.028	-0.1	85	0.00
49	T	Acenaphthene	50.000	50.947	-1.9	90	0.00
50	T	2,4-Dinitrophenol	50.000	64.751	-29.5#	117	0.00
51	T	4-Nitrophenol	50.000	54.624	-9.2	94	0.00
52	T	Dibenzofuran	50.000	50.879	-1.8	92	0.00

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329003.D
Acq On : 25 Nov 2025 2:08 pm
Operator : BGL
Sample : 8270std 50 ppm 25H0510 Inst : GCMSSV2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 25 14:24:19 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

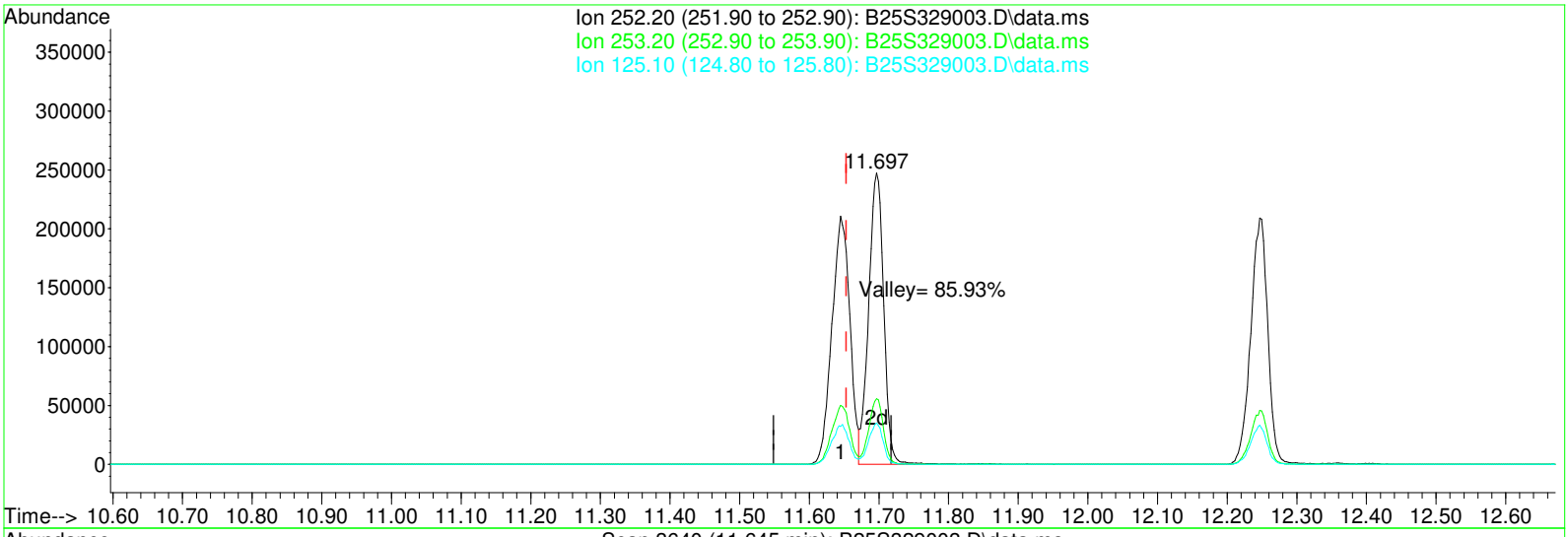
Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

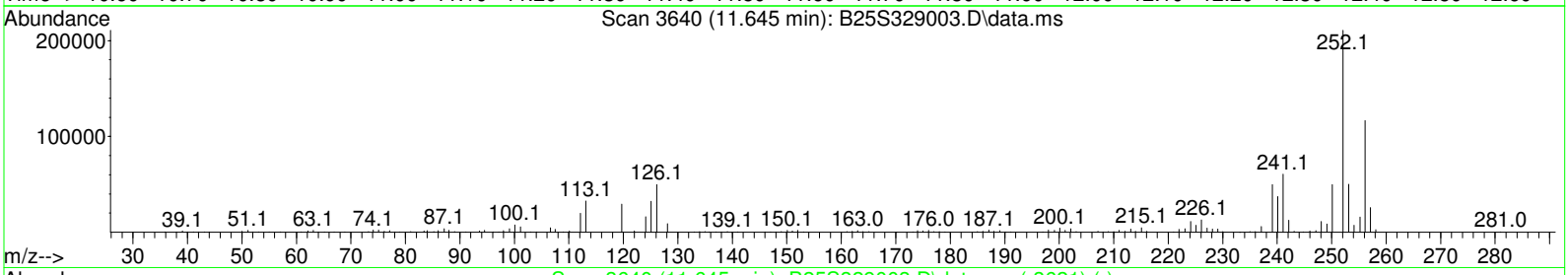
		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
53	T	2,4-Dinitrotoluene	50.000	54.323	-8.6	92	0.00
54	T	DIETHYL PHTHALATE	50.000	52.900	-5.8	90	-0.01
55	T	4-Chlorophenyl phenyl ether	50.000	54.095	-8.2	94	0.00
56	T	Flourene	50.000	50.773	-1.5	89	0.00
57	T	4-Nitroaniline	50.000	50.430	-0.9	88	0.00
58	I	PHENANTHRENE-D10	40.000	40.000	0.0	88	0.00
59	T	4,6-Dinitro-2-Methylphenol	50.000	50.392	-0.8	103	0.00
60	T	N-Nitrosodiphenylamine	42.680	40.190	5.8	89	0.00
61	T	1,2-Diphenylhydrazine	50.000	44.012	12.0	83	-0.01
62	T	4-Bromophenyl phenyl ether	50.000	53.480	-7.0	100	0.00
63	T	Hexachlorobenzene	50.000	52.649	-5.3	98	0.00
64	T	Pentachlorophenol	50.000	48.420	3.2	91	0.00
65	T	Pentachloronitrobenzene	50.000	57.104	-14.2	102	0.00
66	T	Phenanthrene	50.000	45.195	9.6	90	0.00
67	T	Anthracene	50.000	47.123	5.8	89	0.00
68	T	Carbazole	50.000	47.962	4.1	90	0.00
69	T	Di-N-Butyl Phthalate	50.000	54.241	-8.5	91	-0.01
70	T	Flouranthene	50.000	50.158	-0.3	91	0.00
71	I	CHRYSENE-D12	40.000	40.000	0.0	92	0.00
72	S	p-Terphenyl-d14	50.000	49.867	0.3	97	-0.01
73	T	Benzidine	50.000	30.892	38.2#	60	0.00
74	T	Pyrene	50.000	43.686	12.6	90	0.00
75	T	Butylbenzyl phthalate	50.000	53.749	-7.5	93	-0.01
76	T	3,3'-Dichlorobenzidine	50.000	54.900	-9.8	102	0.00
77	T	Benzo(a)anthracene	50.000	47.308	5.4	92	-0.01
78	T	Chrysene	50.000	45.647	8.7	92	-0.01
79	T	Bis(2-ethylhexyl)phthalate	50.000	63.674	-27.3#	96	-0.02
80	I	PERYLENE-D12	40.000	40.000	0.0	98	0.00
81	T	Di-n-octylphthalate	50.000	60.719	-21.4	103	-0.02
82	T	Benzo(b)fluoranthene	50.000	48.972	2.1	98	0.00
83	T	Benzo(k)fluoranthene	50.000	47.973	4.1	93	0.00
84	T	Benzo(a)pyrene	50.000	50.013	-0.0	98	0.00
85	T	Indeno(1,2,3-cd)pyrene	50.000	51.084	-2.2	103	0.00
86	T	Dibenz(a,h)anthracene	50.000	49.272	1.5	98	0.00
87	T	Benzo(g,h,i)perylene	50.000	47.161	5.7	96	0.00
88	I	1,4-Dichlorobenzene-D4 (2)	40.000	40.000	0.0	0	-4.70#
89		1,4-Dioxane	50.000	0.000	100.0#	0	-2.46#
90		Benzaldehyde	50.000	0.000	100.0#	0	-4.41#
91		Benzyl Alcohol	50.000	0.000	100.0#	0	-4.78#
92	I	NAPHTHALENE-d8 (2)	40.000	40.000	0.0	0	-5.49#
93		2,6-Dichlorophenol	50.000	0.000	100.0#	0	-5.54#
94		Caprolactam	50.000	0.000	100.0#	0	-5.75#
95	I	ACENAPHTHENE-D10 (2)	40.000	40.000	0.0	0	-6.58#
96		2,3,4,6-Tetrachlorophenol	50.000	0.000	100.0#	0	-6.78#
97		Atrazine	50.000	0.000	100.0#	0	-7.31#

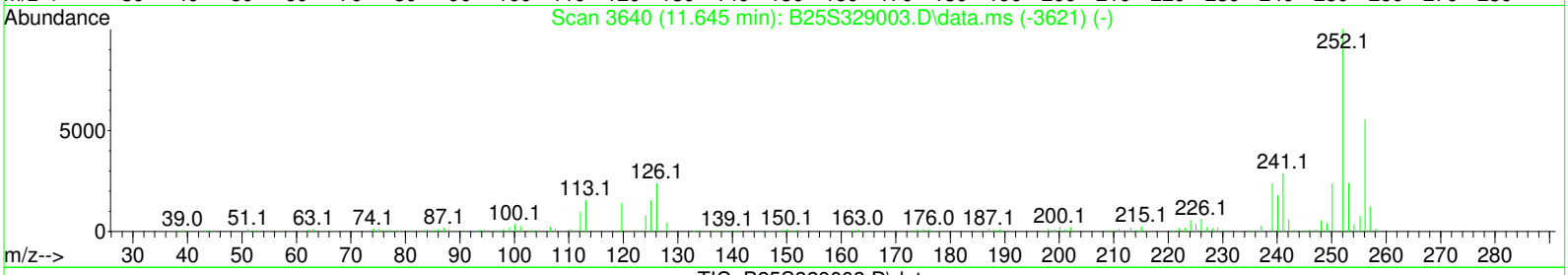
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329003.D
Acq On : 25 Nov 2025 2:08 pm
Operator : BGL
Sample : 8270std 50 ppm 25H0510 Inst : GCMSSV2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 25 14:24:19 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration







TIC: B25S329003.D\data.ms

(82) Benzo(b)fluoranthene (T)

11.645min (-0.008) 48.97 ug/ml

response 377940

Ion	Exp%	Act%
252.20	100.00	100.00
253.20	22.20	23.78
125.10	14.50	15.78
0.00	0.00	0.00

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Instrument ID:	GCMSSV2	Calibration:	2500833
Lab File ID:	B25S329004.D	Calibration Date:	10/24/25 00:00
Sequence:	S129060	Injection Date:	11/25/25
Lab Sample ID:	S129060-CCV2	Injection Time:	14:33

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2,3,4,6-Tetrachlorophenol	A	50.00	58.1	0.2580526	0.2998666		16.2	20	
Atrazine	A	50.00	64.7	0.3130468	0.405022		29.4	20	*
Benzaldehyde	A	50.00	40.2	1.330872	1.068882		-19.7	20	
Caprolactam	A	50.00	55.9	0.1225767	0.1371432		11.9	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329004.D
Acq On : 25 Nov 2025 2:33 pm
Operator : BGL
Sample : ncextras 50 ppm 25I0219 Inst : GCMSSV2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 25 14:49:07 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

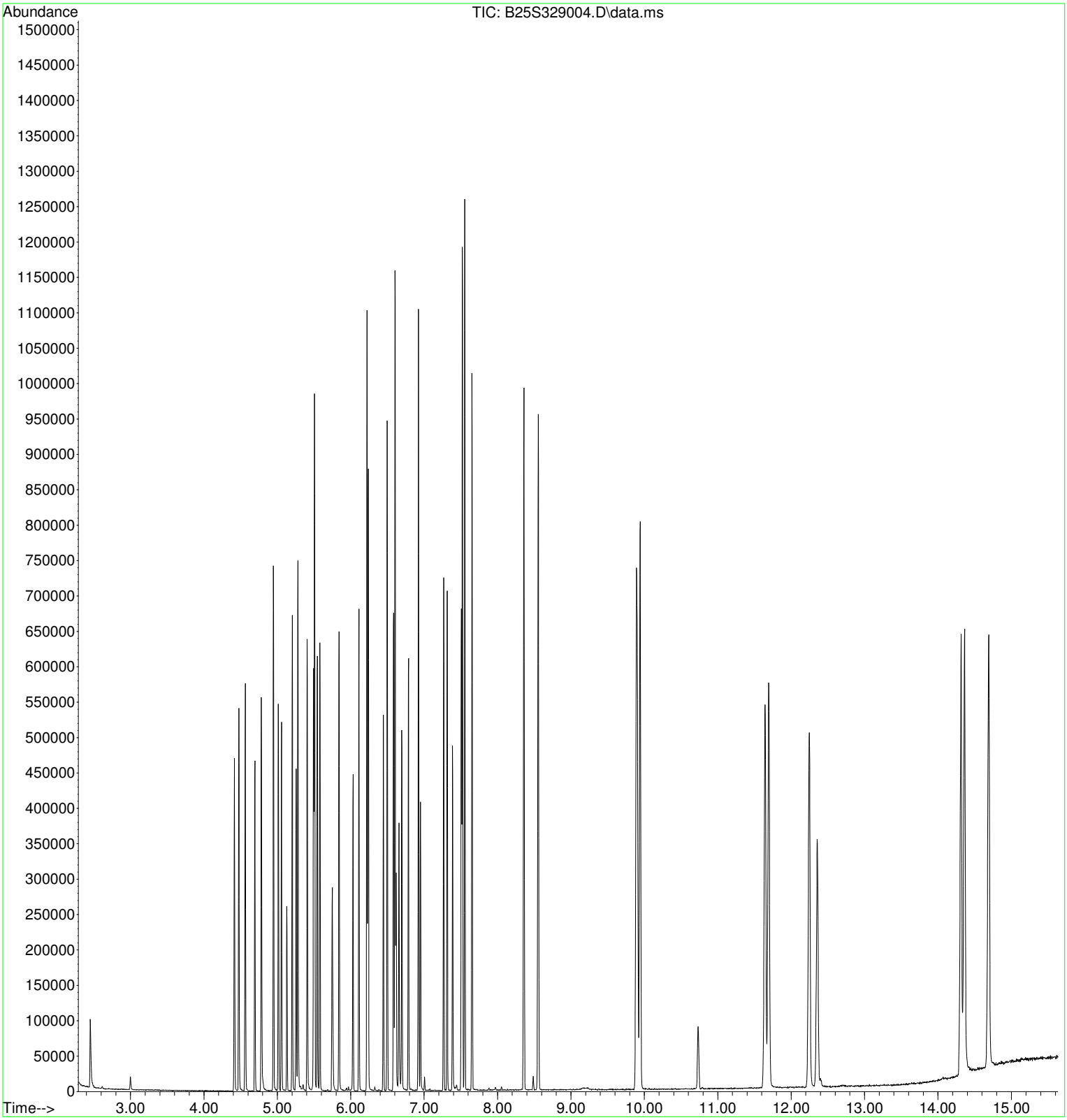
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	0.000	152	0m	40.00	ug/ml	-4.70
19) NAPHTHALENE-d8	0.000	136	0m	40.00	ug/ml	-5.50
35) ACENAPHTHENE-D10	0.000	164	0m	40.00	ug/ml	-6.59
58) PHENANTHRENE-D10	0.000	188	0m	40.00	ug/ml	-7.51
71) CHRYSENE-D12	0.000	240	0m	40.00	ug/ml	-9.91
80) PERYLENE-D12	0.000	264	0m	40.00	ug/ml	-12.36
88) 1,4-Dichlorobenzene-D4...	4.694	152	50803	40.00	ug/ml	0.00
92) NAPHTHALENE-d8 (2)	5.494	136	188142	40.00	ug/ml	0.00
95) ACENAPHTHENE-D10 (2)	6.584	164	101952	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	0.000	112	0	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
3) Phenol-d6	0.000	99	0d	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
20) Nitrobenzene-d5	0.000	82	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
36) 2-Fluorobiphenyl	0.000	172	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
37) 2,4,6-Tribromophenol	0.000	330	0	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
72) p-Terphenyl-d14	0.000	244	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
89) 1,4-Dioxane	2.452	88	36127	41.89	ug/ml	94
90) Benzaldehyde	4.414	106	67878	40.16	ug/ml	99
91) Benzyl Alcohol	4.782	108	65198	53.91	ug/ml	96
93) 2,6-Dichlorophenol	5.545	162	82656	53.73	ug/ml	97
94) Caprolactam	5.749	113	32253	55.94	ug/ml	91
96) 2,3,4,6-Tetrachlorophenol	6.787	230	38215	58.10	ug/ml	97
97) Atrazine	7.315	200	51616	64.69	ug/ml	97

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

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329004.D
Acq On : 25 Nov 2025 2:33 pm
Operator : BGL
Sample : ncextras 50 ppm 25I0219 Inst : GCMSSV2
Misc :
ALS Vial : 4 Sample Multiplier: 1

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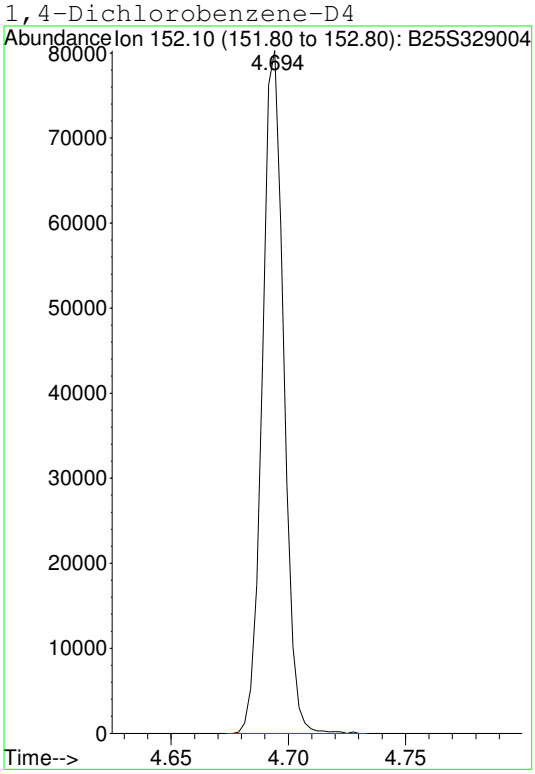
Quant Time: Nov 25 14:49:07 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329004.D
Acq On : 25 Nov 2025 2:33 pm
Operator : BGL
Sample : ncextras 50 ppm 25I0219
Misc :

Quant Time : Wed Nov 26 10:48:09 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
1,4-Dichlorobenzene-D4



Original Int. Results

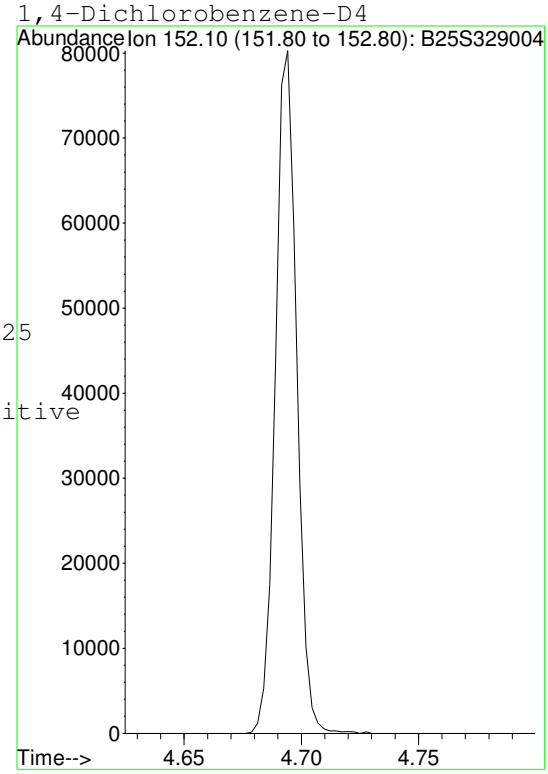
RT : 4.69
Area : 50803
Amount: 40

Manual Int. Results

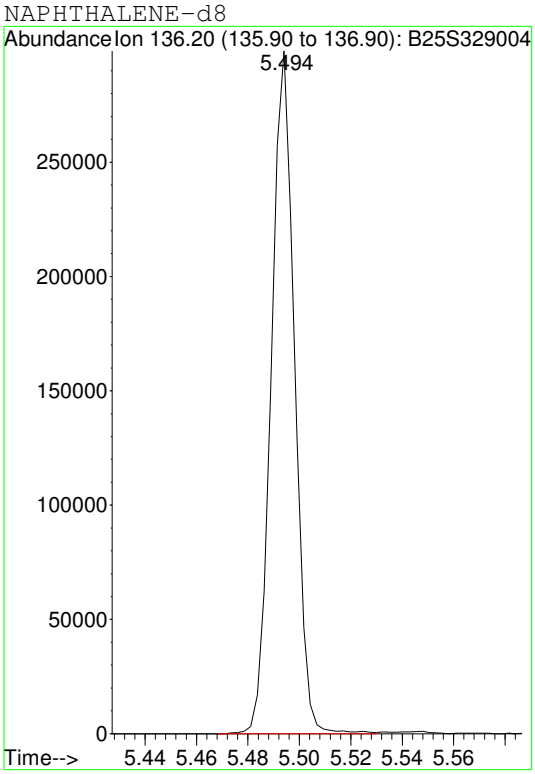
Wed Nov 26 10:48:09 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

Manual Integration
1,4-Dichlorobenzene-D4



Original Integration
NAPHTHALENE-d8



Original Int. Results

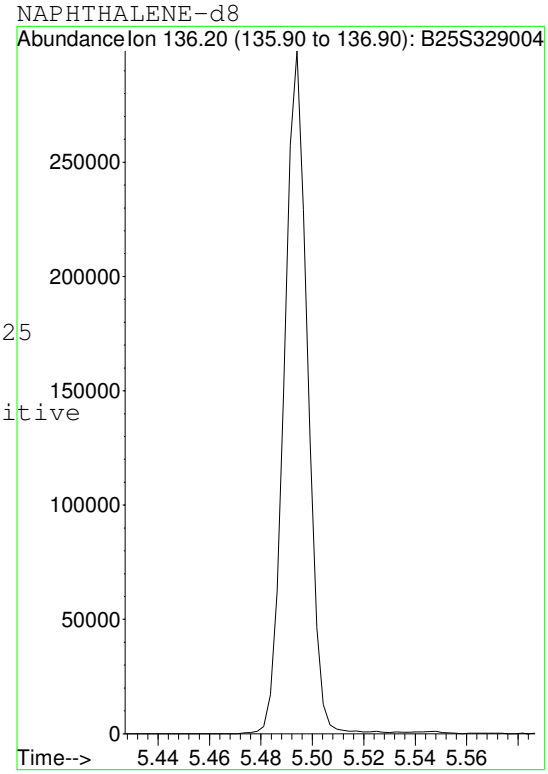
RT : 5.49
Area : 188129
Amount: 40

Manual Int. Results

Wed Nov 26 10:48:07 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

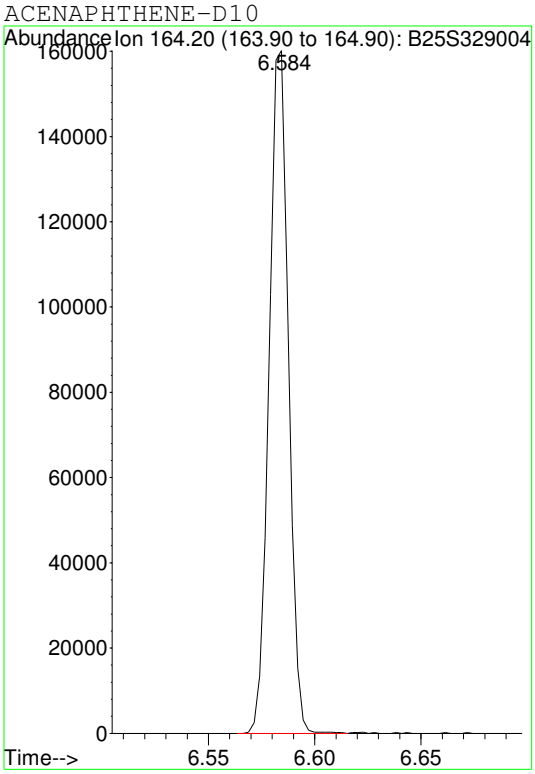
Manual Integration
NAPHTHALENE-d8



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329004.D
Acq On : 25 Nov 2025 2:33 pm
Operator : BGL
Sample : ncextras 50 ppm 25I0219
Misc :

Quant Time : Wed Nov 26 10:48:09 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
ACENAPHTHENE-D10



Original Int. Results

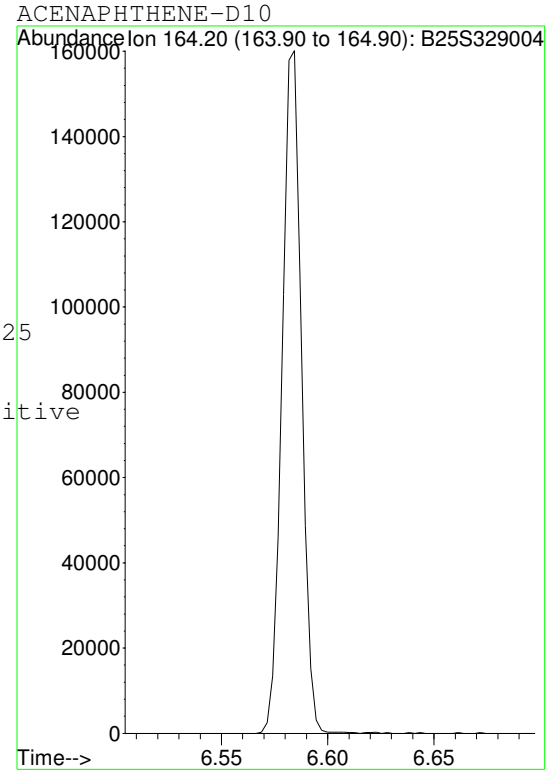
RT : 6.58
Area : 101952
Amount: 40

Manual Int. Results

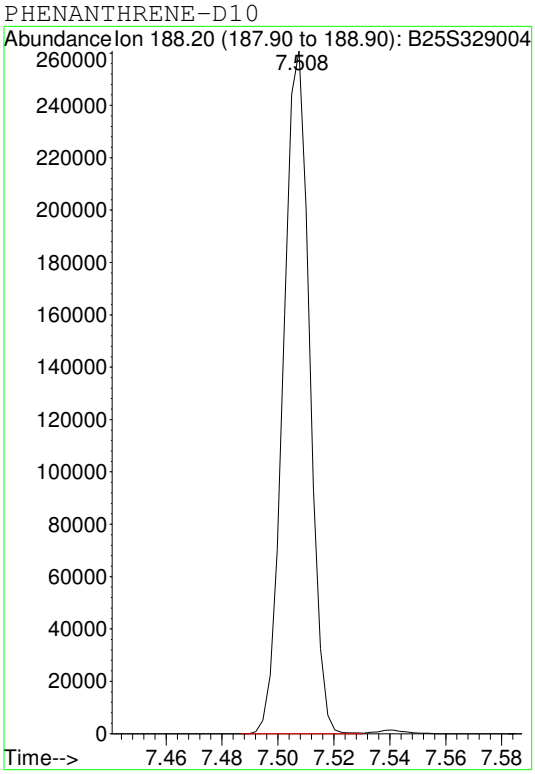
Wed Nov 26 10:48:05 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

Manual Integration
ACENAPHTHENE-D10



Original Integration
PHENANTHRENE-D10



Original Int. Results

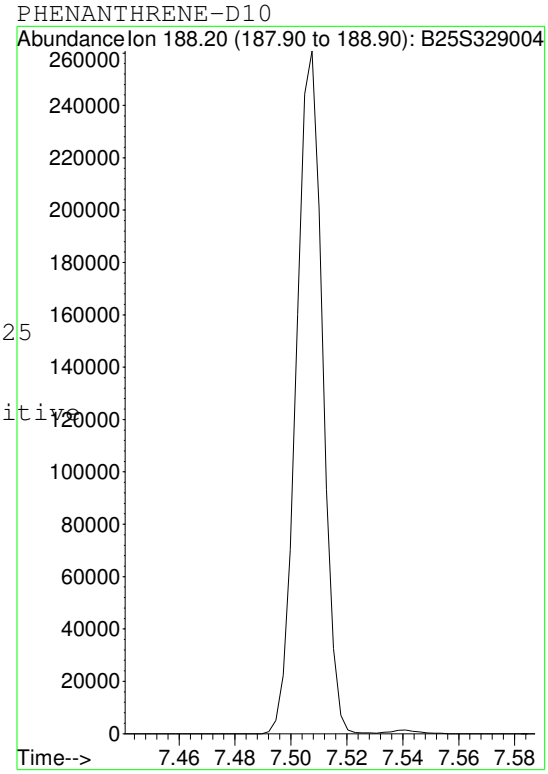
RT : 7.51
Area : 169749
Amount: 40

Manual Int. Results

Wed Nov 26 10:48:02 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

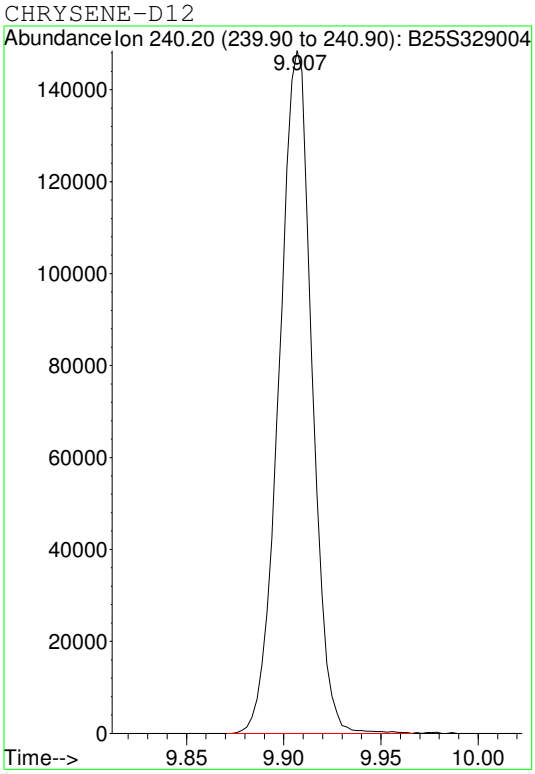
Manual Integration
PHENANTHRENE-D10



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329004.D
Acq On : 25 Nov 2025 2:33 pm
Operator : BGL
Sample : ncextras 50 ppm 25I0219
Misc :

Quant Time : Wed Nov 26 10:48:09 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
CHRYSENE-D12



Original Int. Results

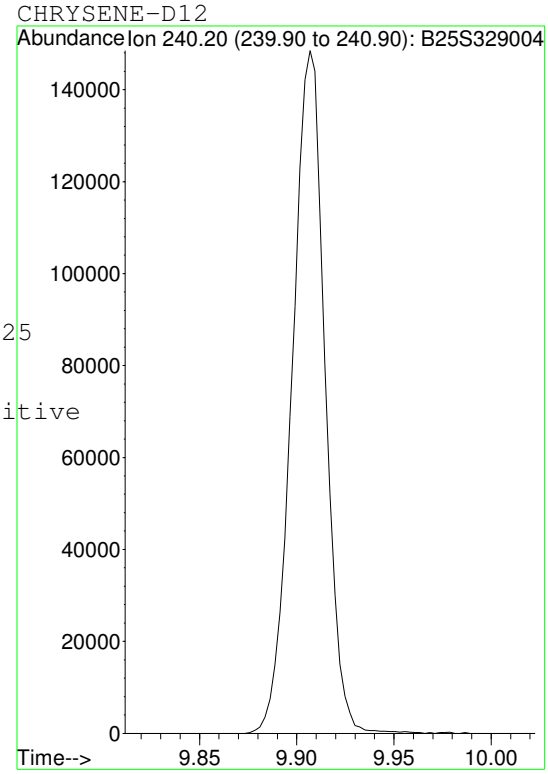
RT : 9.91
Area : 173785
Amount: 40

Manual Int. Results

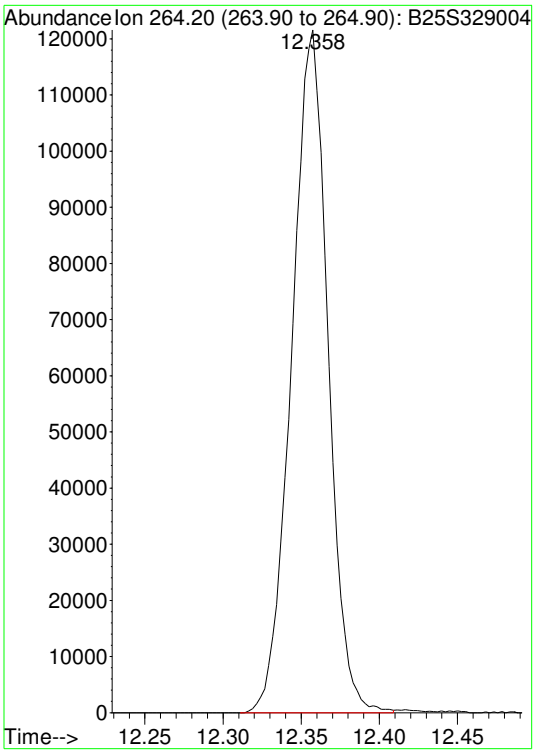
Wed Nov 26 10:48:01 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

Manual Integration
CHRYSENE-D12



Original Integration
PERYLENE-D12



Original Int. Results

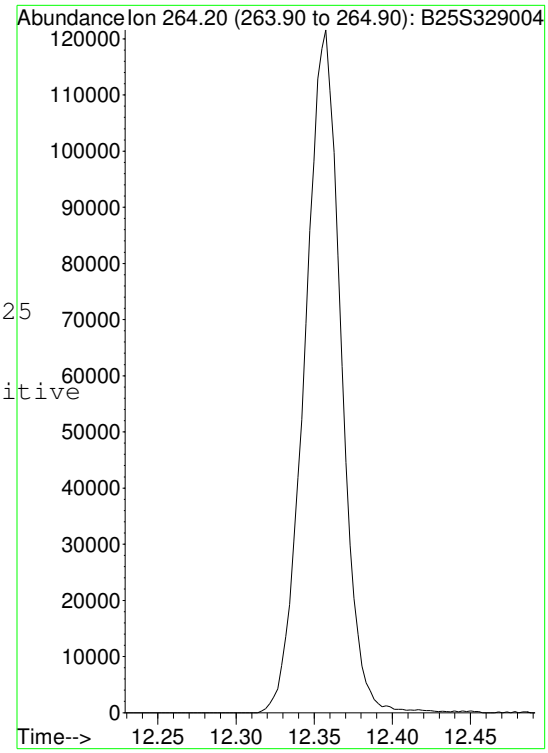
RT : 12.36
Area : 196080
Amount: 40

Manual Int. Results

Wed Nov 26 10:48:00 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

Manual Integration
PERYLENE-D12



Evaluate Continuing Calibration Report

693

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329004.D
Acq On : 25 Nov 2025 2:33 pm
Operator : BGL
Sample : ncextras 50 ppm 25I0219 Inst : GCMSSV2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 25 14:49:07 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-D4	1.000	1.000	0.0	0#	-4.70#
2	S	2-Fluorophenol	1.118	0.000	100.0#	0#	-3.84#
3	S	Phenol-d6	1.843	0.000	100.0#	0#	-4.47#
4	T	N-Nitrosodimethylamine	0.712	0.000	100.0#	0#	-2.77#
5	T	Pyridine	1.701	0.000	100.0#	0#	-2.79#
6	T	Aniline	2.440	0.000	100.0#	0#	-4.49#
7	T	Phenol	2.018	0.000	100.0#	0#	-4.48#
8	T	Bis(2-chloroethyl)ether	1.026	0.000	100.0#	0#	-4.53#
9	T	2-Chlorophenol	1.575	0.000	100.0#	0#	-4.57#
10	T	1,3-Dichlorobenzene	1.642	0.000	100.0#	0#	-4.67#
11	T	1,4-Dichlorobenzene	1.681	0.000	100.0#	0#	-4.71#
12	T	1,2-Dichlorobenzene	1.585	0.000	100.0#	0#	-4.81#
13	T	2- METHYLPHENOL	1.435	0.000	100.0#	0#	-4.86#
14	T	2,2'-oxybis(1-chloropropane	1.664	0.000	100.0#	0#	-4.87#
15	T	Acetophenone	2.062	0.000	100.0#	0#	-4.96#
16	T	3/4- METHYLPHENOL	1.596	0.000	100.0#	0#	-4.95#
17	T	N-Nitroso-Di-N-Propylamine	1.071	0.000	100.0#	0#	-4.96#
18	T	Hexachloroethane	0.644	0.000	100.0#	0#	-5.02#
19	I	NAPHTHALENE-d8	1.000	1.000	0.0	0#	-5.50#
20	S	Nitrobenzene-d5	0.398	0.000	100.0#	0#	-5.05#
21	T	NITROBENZENE	0.401	0.000	100.0#	0#	-5.07#
22	T	Isophorone	0.673	0.000	100.0#	0#	-5.21#
23	T	2-Nitrophenol	0.198	0.000	100.0#	0#	-5.27#
24	T	2,4-Dimethylphenol	0.319	0.000	100.0#	0#	-5.28#
25	T	Bis(2-Chloroethoxy)methane	0.441	0.000	100.0#	0#	-5.34#
26	T	Benzoic Acid	0.197	0.000	100.0#	0#	-5.34#
27	T	2,4-Dichlorophenol	0.304	0.000	100.0#	0#	-5.41#
28	T	1,2,4-Trichlorobenzene	0.326	0.000	100.0#	0#	-5.47#
29	T	Naphthalene	1.100	0.000	100.0#	0#	-5.52#
30	T	4-Chloroaniline	0.474	0.000	100.0#	0#	-5.55#
31	T	Hexachlorobutadiene	0.164	0.000	100.0#	0#	-5.59#
32	T	4-Chloro-3-Methylphenol	0.317	0.000	100.0#	0#	-5.84#
33	T	2-MethylNaphthalene	0.747	0.000	100.0#	0#	-5.94#
34	T	1-Methylnaphthalene	0.703	0.000	100.0#	0#	-6.01#
35	I	ACENAPHTHENE-D10	1.000	1.000	0.0	0#	-6.59#
36	S	2-Fluorobiphenyl	1.321	0.000	100.0#	0#	-6.17#
37	S	2,4,6-Tribromophenol	0.178	0.000	100.0#	0#	-7.08#
38	T	Hexachlorocyclopentadiene	0.318	0.000	100.0#	0#	-6.04#
39	T	1,2,4,5-Tetrachlorobenzene	0.557	0.000	100.0#	0#	-6.05#
40	T	2,4,6-Trichlorophenol	0.377	0.000	100.0#	0#	-6.12#
41	T	2,4,5-Trichlorophenol	0.396	0.000	100.0#	0#	-6.14#
42	T	2-ChloroNaphthalene	1.423	0.000	100.0#	0#	-6.25#
43	T	2-Nitroaniline	0.365	0.000	100.0#	0#	-6.31#
44	T	1,1-Biphenyl	1.495	0.000	100.0#	0#	-6.23#
45	T	DIMETHYL PHTHALATE	1.255	0.000	100.0#	0#	-6.41#
46	T	2,6-DinitroToluene	0.290	0.000	100.0#	0#	-6.45#
47	T	Acenaphthylene	1.915	0.000	100.0#	0#	-6.50#
48	T	3-Nitroaniline	0.358	0.000	100.0#	0#	-6.56#
49	T	Acenaphthene	1.284	0.000	100.0#	0#	-6.61#
50	T	2,4-Dinitrophenol	0.156	0.000	100.0#	0#	-6.62#
51	T	4-Nitrophenol	0.155	0.000	100.0#	0#	-6.65#
52	T	Dibenzofuran	1.695	0.000	100.0#	0#	-6.72#

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329004.D
Acq On : 25 Nov 2025 2:33 pm
Operator : BGL
Sample : ncextras 50 ppm 25I0219 Inst : GCMSSV2
Misc :
ALS Vial : 4 Sample Multiplier: 1

694

Quant Time: Nov 25 14:49:07 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
53	T	2,4-Dinitrotoluene	0.391	0.000	100.0#	0#	-6.70#
54	T	DIETHYL PHTHALATE	1.191	0.000	100.0#	0#	-6.85#
55	T	4-Chlorophenyl phenyl ether	0.598	0.000	100.0#	0#	-6.92#
56	T	Flourene	1.410	0.000	100.0#	0#	-6.93#
57	T	4-Nitroaniline	0.395	0.000	100.0#	0#	-6.94#
58	I	PHENANTHRENE-D10	1.000	1.000	0.0	0#	-7.51#
59	T	4,6-Dinitro-2-Methylphenol	0.141	0.000	100.0#	0#	-6.96#
60	T	N-Nitrosodiphenylamine	0.691	0.000	100.0#	0#	-7.00#
61	T	1,2-Diphenylhydrazine	0.830	0.000	100.0#	0#	-7.02#
62	T	4-Bromophenyl phenyl ether	0.215	0.000	100.0#	0#	-7.23#
63	T	Hexachlorobenzene	0.238	0.000	100.0#	0#	-7.27#
64	T	Pentachlorophenol	0.160	0.000	100.0#	0#	-7.39#
65	T	Pentachloronitrobenzene	0.042	0.000	100.0#	0#	-7.40#
66	T	Phenanthrene	1.250	0.000	100.0#	0#	-7.53#
67	T	Anthracene	1.250	0.000	100.0#	0#	-7.56#
68	T	Carbazole	1.161	0.000	100.0#	0#	-7.66#
69	T	Di-N-Butyl Phthalate	1.134	0.000	100.0#	0#	-7.87#
70	T	Flouranthene	1.235	0.000	100.0#	0#	-8.37#
71	I	CHRYSENE-D12	1.000	1.000	0.0	0#	-9.91#
72	S	p-Terphenyl-d14	0.828	0.000	100.0#	0#	-8.69#
73	T	Benzidine	0.494	0.000	100.0#	0#	-8.47#
74	T	Pyrene	1.467	0.000	100.0#	0#	-8.56#
75	T	Butylbenzyl phthalate	0.536	0.000	100.0#	0#	-9.20#
76	T	3,3'-Dichlorobenzidine	0.420	0.000	100.0#	0#	-9.87#
77	T	Benzo(a)anthracene	1.349	0.000	100.0#	0#	-9.90#
78	T	Chrysene	1.334	0.000	100.0#	0#	-9.95#
79	T	Bis(2-ethylhexyl)phthalate	0.614	0.000	100.0#	0#	-9.98#
80	I	PERYLENE-D12	1.000	1.000	0.0	0#	-12.36#
81	T	Di-n-octylphthalate	0.981	0.000	100.0#	0#	-11.07#
82	T	Benzo(b)fluoranthene	1.227	0.000	100.0#	0#	-11.65#
83	T	Benzo(k)fluoranthene	1.218	0.000	100.0#	0#	-11.70#
84	T	Benzo(a)pyrene	1.137	0.000	100.0#	0#	-12.25#
85	T	Indeno(1,2,3-cd)pyrene	1.012	0.000	100.0#	0#	-14.31#
86	T	Dibenz(a,h)anthracene	1.064	0.000	100.0#	0#	-14.36#
87	T	Benzo(g,h,i)perylene	1.123	0.000	100.0#	0#	-14.69#
88	I	1,4-Dichlorobenzene-D4 (2)	1.000	1.000	0.0	94	0.00
89		1,4-Dioxane	0.679	0.569	16.2	84	0.00
90		Benzaldehyde	1.331	1.069	19.7	78	0.00
91		Benzyl Alcohol	0.952	1.027	-7.9	102	0.00
92	I	NAPHTHALENE-d8 (2)	1.000	1.000	0.0	87	0.00
93		2,6-Dichlorophenol	0.327	0.351	-7.3	96	0.00
94		Caprolactam	0.123	0.137	-11.4	93	0.00
95	I	ACENAPHTHENE-D10 (2)	1.000	1.000	0.0	84	0.00
96		2,3,4,6-Tetrachlorophenol	0.258	0.300	-16.3	98	0.00
97		Atrazine	0.313	0.405	-29.4#	111	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Instrument ID:	GCMSSV2	Calibration:	2500833
Lab File ID:	B25S330002.D	Calibration Date:	10/24/25 00:00
Sequence:	S129079	Injection Date:	11/26/25
Lab Sample ID:	S129079-CCV1	Injection Time:	13:13

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Biphenyl	A	50.00	52.6	1.495152	1.571863		5.1	20	
Acenaphthene	A	50.00	50.3	1.283793	1.29078		0.5	20	
Acenaphthylene	A	50.00	50.8	1.914559	1.943348		1.5	20	
Acetophenone	A	50.00	52.5	2.06238	2.167012		5.1	20	
Aniline	A	50.00	37.4	2.440195	1.826285		-25.2	20	*
Anthracene	A	50.00	47.3	1.249775	1.181331		-5.5	20	
Benzo(a)anthracene	A	50.00	47.6	1.349457	1.283232		-4.9	20	
Benzo(a)pyrene	A	50.00	49.2	1.137268	1.119719		-1.5	20	
Benzo(b)fluoranthene	A	50.00	48.2	1.22697	1.184124		-3.5	20	
Benzo(g,h,i)perylene	A	50.00	52.9	1.123312	1.189376		5.9	20	
Benzo(k)fluoranthene	A	50.00	46.8	1.217987	1.139996		-6.4	20	
Bis(2-chloroethoxy)methane	A	50.00	49.3	0.4411299	0.4346996		-1.5	20	
Bis(2-chloroethyl)ether	A	50.00	43.6	1.026405	0.8955149		-12.8	20	
2,2'-oxybis(1-Chloropropane)	A	50.00	55.0	1.663981	1.830051		10.0	20	
Bis(2-Ethylhexyl)phthalate	A	50.00	61.8	0.6136946	0.7582343		23.6	20	*
4-Bromophenylphenylether	A	50.00	53.9	0.2145394	0.2313007		7.8	20	
Butylbenzylphthalate	A	50.00	52.3	0.5355861	0.5604188		4.6	20	
Carbazole	A	50.00	48.0	1.161077	1.113847		-4.1	20	
4-Chloroaniline	A	50.00	45.1	0.4744047	0.4278186		-9.8	20	
4-Chloro-3-methylphenol	A	50.00	46.3	0.317409	0.2937238		-7.5	20	
2-Chloronaphthalene	A	50.00	52.4	1.423093	1.490026		4.7	20	
2-Chlorophenol	A	50.00	45.9	1.574548	1.446442		-8.1	20	
4-Chlorophenylphenylether	A	50.00	53.0	0.5983028	0.6337903		5.9	20	
Chrysene	A	50.00	46.7	1.334226	1.247195		-6.5	20	
Dibenz(a,h)anthracene	A	50.00	54.0	1.063838	1.148968		8.0	20	
Dibenzofuran	A	50.00	50.0	1.695239	1.694262		-0.06	20	
Di-n-butylphthalate	A	50.00	52.7	1.13423	1.19511		5.4	20	
3,3-Dichlorobenzidine	A	50.00	54.8	0.4199577	0.4607125		9.7	20	
2,4-Dichlorophenol	A	50.00	50.5	0.3043154	0.3074003		1.0	20	
Diethylphthalate	A	50.00	51.9	1.190546	1.235409		3.8	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Instrument ID:	GCMSSV2	Calibration:	2500833
Lab File ID:	B25S330002.D	Calibration Date:	10/24/25 00:00
Sequence:	S129079	Injection Date:	11/26/25
Lab Sample ID:	S129079-CCV1	Injection Time:	13:13

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2,4-Dimethylphenol	A	50.00	52.1	0.3194593	0.3327733		4.2	20	
Dimethylphthalate	A	50.00	52.6	1.254799	1.31904		5.1	20	
4,6-Dinitro-2-methylphenol	L	50.00	48.6	0.1410788	0.1482854		-2.8	20	
2,4-Dinitrophenol	A	50.00	60.1	0.1563061	0.1877694		20.1	20	*
2,4-Dinitrotoluene	A	50.00	53.0	0.3908701	0.4139912		5.9	20	
2,6-Dinitrotoluene	A	50.00	53.0	0.2895602	0.3070125		6.0	20	
Di-n-octylphthalate	A	50.00	56.0	0.9808358	1.097517		11.9	20	
Fluoranthene	A	50.00	48.8	1.235066	1.206158		-2.3	20	
Fluorene	A	50.00	49.5	1.409714	1.395022		-1.0	20	
Hexachlorobenzene	A	50.00	54.6	0.2379867	0.2599376		9.2	20	
Hexachlorobutadiene	A	50.00	52.9	0.163838	0.1734503		5.9	20	
Hexachlorocyclopentadiene	A	50.00	53.6	0.3181379	0.3407786		7.1	20	
Hexachloroethane	A	50.00	52.9	0.6441402	0.6815887		5.8	20	
Indeno(1,2,3-cd)pyrene	A	50.00	55.3	1.012116	1.119417		10.6	20	
Isophorone	A	50.00	51.2	0.6726545	0.6893836		2.5	20	
1-Methylnaphthalene	A	50.00	46.7	0.7029169	0.6566494		-6.6	20	
2-Methylnaphthalene	A	50.00	44.6	0.7469839	0.6661059		-10.8	20	
2-Methylphenol	A	50.00	49.8	1.434992	1.430099		-0.3	20	
3/4-Methylphenol	A	100.0	107	1.59626	1.70421		6.8	20	
Naphthalene	A	50.00	48.7	1.10001	1.072327		-2.5	20	
2-Nitroaniline	A	50.00	50.5	0.3645414	0.3683996		1.1	20	
3-Nitroaniline	A	50.00	49.0	0.3577428	0.3506612		-2.0	20	
4-Nitroaniline	A	50.00	50.0	0.3949041	0.3951039		0.05	20	
Nitrobenzene	A	50.00	53.2	0.4010463	0.4268877		6.4	20	
2-Nitrophenol	A	50.00	54.4	0.1977391	0.2150029		8.7	20	
4-Nitrophenol	A	50.00	51.0	0.1547519	0.1578699		2.0	20	
N-Nitrosodiphenylamine/Diphenylamine	A	42.75	40.9	0.6896138	0.6604802		-4.2	20	
N-Nitrosodi-n-propylamine	A	50.00	56.0	1.070739	1.198634		11.9	20	
Pentachlorophenol	A	50.00	45.7	0.1602803	0.1465978		-8.5	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Instrument ID:	GCMSSV2	Calibration:	2500833
Lab File ID:	B25S330002.D	Calibration Date:	10/24/25 00:00
Sequence:	S129079	Injection Date:	11/26/25
Lab Sample ID:	S129079-CCV1	Injection Time:	13:13

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenanthrene	A	50.00	45.5	1.249551	1.136488		-9.0	20
Phenol	A	50.00	48.3	2.017986	1.950407		-3.3	20
Pyrene	A	50.00	44.7	1.467047	1.311279		-10.6	20
Pyridine	A	50.00	43.1	1.700956	1.465559		-13.8	20
1,2,4,5-Tetrachlorobenzene	A	50.00	54.4	0.557057	0.6064857		8.9	20
2,4,5-Trichlorophenol	A	50.00	51.9	0.395503	0.4101763		3.7	20
2,4,6-Trichlorophenol	A	50.00	53.5	0.3769288	0.4036051		7.1	20
2-Fluorophenol	A	100.0	93.8	1.117548	1.048815		-6.2	
Phenol-d6	A	100.0	89.7	1.842676	1.652231		-10.3	
Nitrobenzene-d5	A	50.00	51.1	0.3980805	0.4071787		2.3	
2-Fluorobiphenyl	A	50.00	51.0	1.320526	1.346835		2.0	
2,4,6-Tribromophenol	A	100.0	111	0.1776466	0.1974616		11.2	
p-Terphenyl-d14	A	50.00	50.6	0.8283524	0.8381499		1.2	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330002.D
Acq On : 26 Nov 2025 1:13 pm
Operator : BGL
Sample : 8270std 50 ppm 25H0510 Inst : GCMSSV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

699

Quant Time: Nov 26 13:28:56 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.689	152	58839	40.00	ug/ml	-0.01
19) NAPHTHALENE-d8	5.492	136	243219	40.00	ug/ml	-0.01
35) ACENAPHTHENE-D10	6.579	164	123935	40.00	ug/ml	-0.01
58) PHENANTHRENE-D10	7.503	188	209995	40.00	ug/ml	-0.01
71) CHRYSENE-D12	9.899	240	202884	40.00	ug/ml	-0.02
80) PERYLENE-D12	12.350	264	238069	40.00	ug/ml	-0.01
88) 1,4-Dichlorobenzene-D4...	0.000	152	0m	40.00	ug/ml	-4.70
92) NAPHTHALENE-d8 (2)	0.000	136	0m	40.00	ug/ml	-5.49
95) ACENAPHTHENE-D10 (2)	0.000	164	0m	40.00	ug/ml	-6.58
System Monitoring Compounds						
2) 2-Fluorophenol	3.838	112	154278	93.85	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 46.92%			
3) Phenol-d6	4.465	99	243039	89.66	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 44.83%			
20) Nitrobenzene-d5	5.042	82	123792	51.14	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 51.14%			
36) 2-Fluorobiphenyl	6.155	172	208650	51.00	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 51.00%			
37) 2,4,6-Tribromophenol	7.070	330	61181	111.15	ug/ml	-0.01
Spiked Amount 200.000	Range 30 - 130		Recovery = 55.58%			
72) p-Terphenyl-d14	8.675	244	212559	50.59	ug/ml	-0.02
Spiked Amount 100.000	Range 30 - 130		Recovery = 50.59%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.753	42	46849	44.71	ug/ml#	80
5) Pyridine	2.779	79	107790	43.08	ug/ml	94
6) Aniline	4.481	93	134321	37.42	ug/ml#	23
7) Phenol	4.473	94	143450	48.33	ug/ml#	57
8) Bis(2-chloroethyl)ether	4.522	63	65864	43.62	ug/ml	99
9) 2-Chlorophenol	4.561	128	106384	45.93	ug/ml	98
10) 1,3-Dichlorobenzene	4.653	146	121043	50.12	ug/ml	99
11) 1,4-Dichlorobenzene	4.702	146	124777	50.45	ug/ml	99
12) 1,2-Dichlorobenzene	4.797	146	118827	50.97	ug/ml	100
13) 2- METHYLPHENOL	4.854	108	105182	49.83	ug/ml	98
14) 2,2'-oxybis(1-chloropr...	4.862	45	134598	54.99	ug/ml	95
15) Acetophenone	4.944	105	159381	52.54	ug/ml	96
16) 3/4- METHYLPHENOL	4.949	107	250685	106.76	ug/ml	99
17) N-Nitroso-Di-N-Propyla...	4.944	70	88158	55.97	ug/ml	86
18) Hexachloroethane	5.011	117	50130	52.91	ug/ml	99
21) NITROBENZENE	5.054	77	129784	53.22	ug/ml	94
22) Isophorone	5.201	82	209589	51.24	ug/ml	97
23) 2-Nitrophenol	5.252	139	65366	54.37	ug/ml	96
24) 2,4-Dimethylphenol	5.276	122	101171	52.08	ug/ml	94
25) Bis(2-Chloroethoxy)met...	5.330	93	132159	49.27	ug/ml	98
26) Benzoic Acid	5.337	122	70794	58.96	ug/ml	87
27) 2,4-Dichlorophenol	5.404	162	93457	50.51	ug/ml	99
28) 1,2,4-Trichlorobenzene	5.453	180	95777	48.36	ug/ml	99
29) Naphthalene	5.504	128	326013	48.74	ug/ml	100
30) 4-Chloroaniline	5.535	127	130067	45.09	ug/ml	96
31) Hexachlorobutadiene	5.576	225	52733	52.93	ug/ml	100
32) 4-Chloro-3-Methylphenol	5.836	107	89299	46.27	ug/ml	99
33) 2-MethylNaphthalene	5.931	142	202512	44.59	ug/ml	98
34) 1-Methylnaphthalene	5.993	142	199637	46.71	ug/ml	97
38) Hexachlorocyclopentadiene	6.029	237	52793	53.56	ug/ml	99
39) 1,2,4,5-Tetrachloroben...	6.037	216	93956	54.44	ug/ml	98
40) 2,4,6-Trichlorophenol	6.109	196	62526	53.54	ug/ml	99

Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330002.D
Acq On : 26 Nov 2025 1:13 pm
Operator : BGL
Sample : 8270std 50 ppm 25H0510 Inst : GCMSSV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

700

Quant Time: Nov 26 13:28:56 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

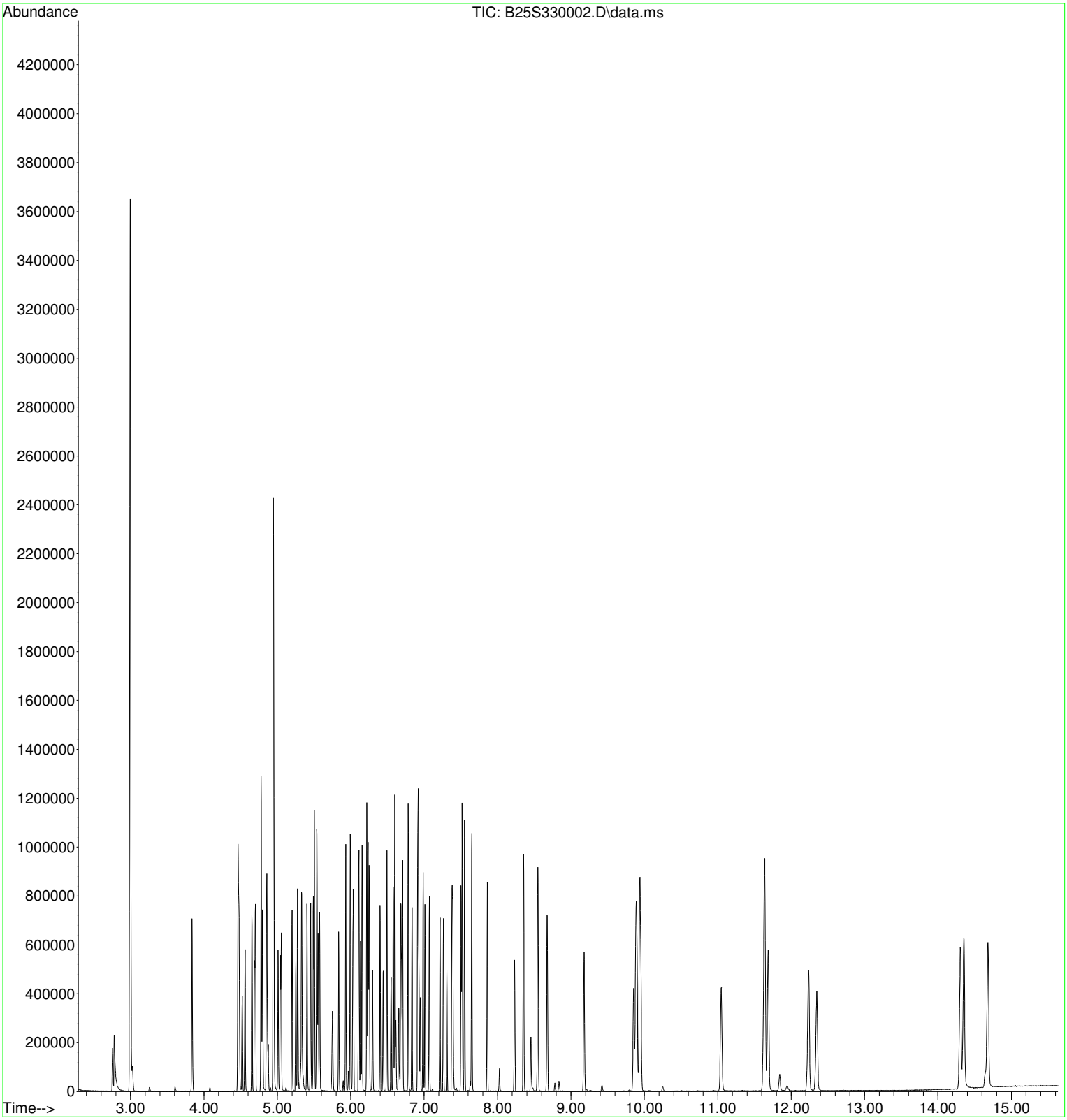
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 2,4,5-Trichlorophenol	6.137	196	63544	51.86	ug/ml	91
42) 2-ChloroNaphthalene	6.237	162	230833	52.35	ug/ml	98
43) 2-Nitroaniline	6.296	65	57072	50.53	ug/ml	98
44) 1,1-Biphenyl	6.219	154	243511	52.57	ug/ml	99
45) DIMETHYL PHTHALATE	6.399	163	204344	52.56	ug/ml	100
46) 2,6-DinitroToluene	6.443	165	47562	53.01	ug/ml	95
47) Acenaphthylene	6.494	152	301061	50.75	ug/ml	99
48) 3-Nitroaniline	6.551	138	54324	49.01	ug/ml	97
49) Acenaphthene	6.600	154	199966	50.27	ug/ml	98
50) 2,4-Dinitrophenol	6.615	184	29089	60.06	ug/ml	91
51) 4-Nitrophenol	6.654	109	24457	51.01	ug/ml	93
52) Dibenzofuran	6.708	168	262473	49.97	ug/ml	97
53) 2,4-Dinitrotoluene	6.692	165	64135	52.96	ug/ml	94
54) DIETHYL PHTHALATE	6.836	149	191388	51.88	ug/ml	97
55) 4-Chlorophenyl phenyl ...	6.911	204	98186	52.97	ug/ml	99
56) Flourene	6.921	166	216115	49.48	ug/ml	98
57) 4-Nitroaniline	6.929	138	61209	50.03	ug/ml	95
59) 4,6-Dinitro-2-Methylph...	6.947	198	38924	48.60	ug/ml	91
60) N-Nitrosodiphenylamine	6.986	169	148233	40.88	ug/ml	100
61) 1,2-Diphenylhydrazine	7.011	77	189728	43.54	ug/ml	95
62) 4-Bromophenyl phenyl e...	7.217	248	60715	53.91	ug/ml	95
63) Hexachlorobenzene	7.263	284	68232	54.61	ug/ml	92
64) Pentachlorophenol	7.384	266	38481	45.73	ug/ml	98
65) Pentachloronitrobenzene	7.392	295	12113	55.55	ug/ml	90
66) Phenanthrene	7.518	178	298321	45.48	ug/ml	100
67) Anthracene	7.551	178	310092	47.26	ug/ml	99
68) Carbazole	7.649	167	292378	47.97	ug/ml	98
69) Di-N-Butyl Phthalate	7.860	149	313709	52.68	ug/ml	99
70) Flouranthene	8.354	202	316609	48.83	ug/ml	98
73) Benzidine	8.454	184	77625	30.98	ug/ml	96
74) Pyrene	8.549	202	332547	44.69	ug/ml	100
75) Butylbenzyl phthalate	9.179	149	142125	52.32	ug/ml	92
76) 3,3'-Dichlorobenzidine	9.855	252	116839	54.85	ug/ml	99
77) Benzo(a)anthracene	9.886	228	325434	47.55	ug/ml	97
78) Chrysene	9.935	228	316295	46.74	ug/ml	99
79) Bis(2-ethylhexyl)phtha...	9.951	149	192292	61.78	ug/ml	99
81) Di-n-octylphthalate	11.049	149	326606	55.95	ug/ml	97
82) Benzo(b)fluoranthene	11.640	252	352379	48.25	ug/ml	97
83) Benzo(k)fluoranthene	11.686	252	339247	46.80	ug/ml	97
84) Benzo(a)pyrene	12.239	252	333213	49.23	ug/ml	97
85) Indeno(1,2,3-cd)pyrene	14.307	276	333123	55.30	ug/ml	97
86) Dibenz(a,h)anthracene	14.356	278	341917	54.00	ug/ml	97
87) Benzo(g,h,i)perylene	14.680	276	353942	52.94	ug/ml	95

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

Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330002.D
Acq On : 26 Nov 2025 1:13 pm
Operator : BGL
Sample : 8270std 50 ppm 25H0510 Inst : GCMSSV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

701

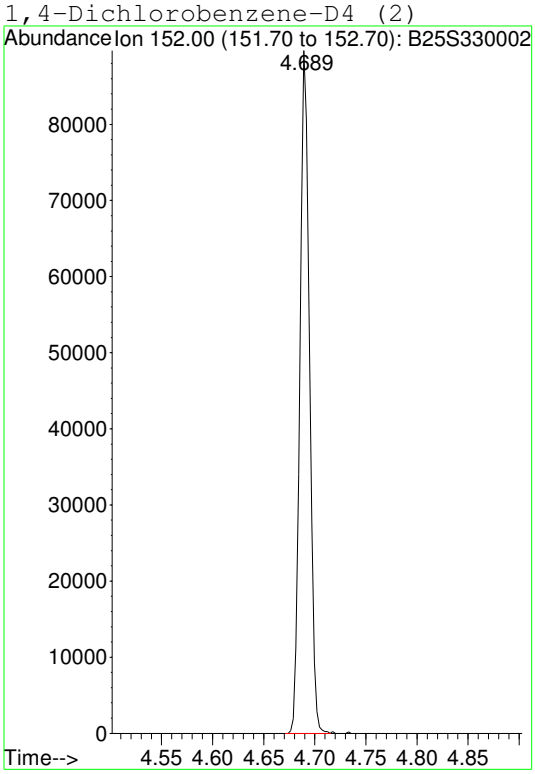
Quant Time: Nov 26 13:28:56 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330002.D
Acq On : 26 Nov 2025 1:13 pm
Operator : BGL
Sample : 8270std 50 ppm 25H0510
Misc :

Quant Time : Sun Nov 30 09:52:04 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
1,4-Dichlorobenzene-D4 (2)



Original Int. Results

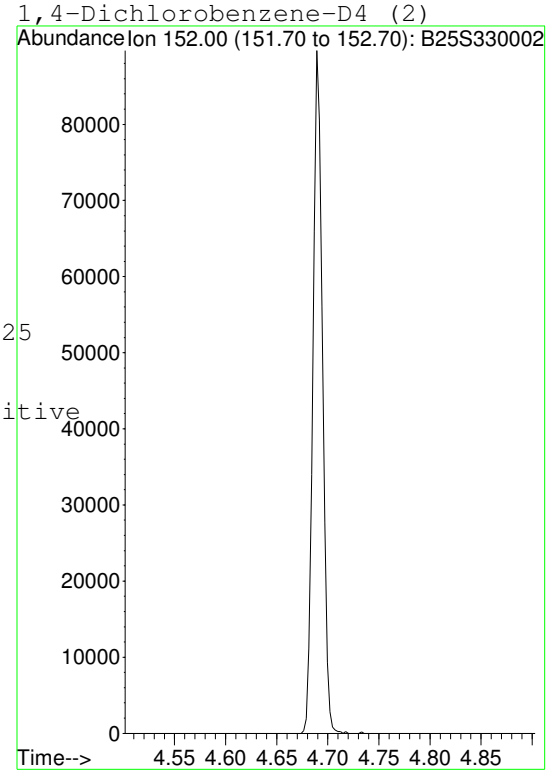
RT : 4.69
Area : 58839
Amount: 40

Manual Int. Results

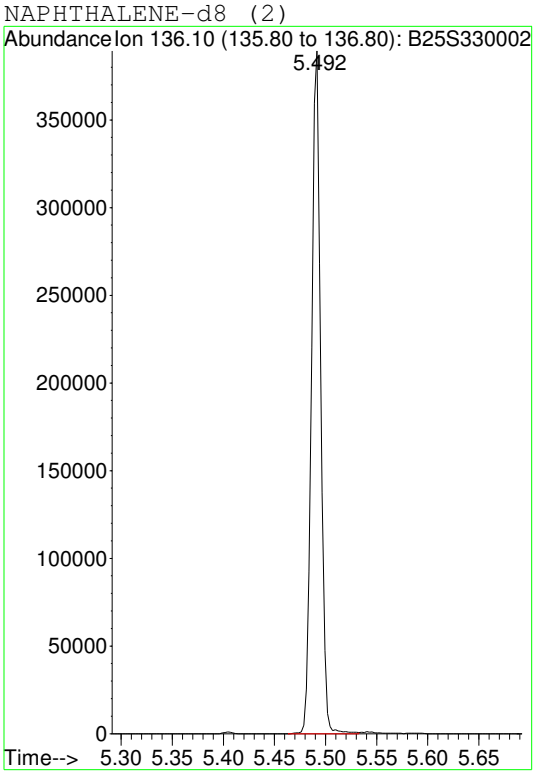
Sun Nov 30 09:52:04 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

Manual Integration
1,4-Dichlorobenzene-D4 (2)



Original Integration
NAPHTHALENE-d8 (2)



Original Int. Results

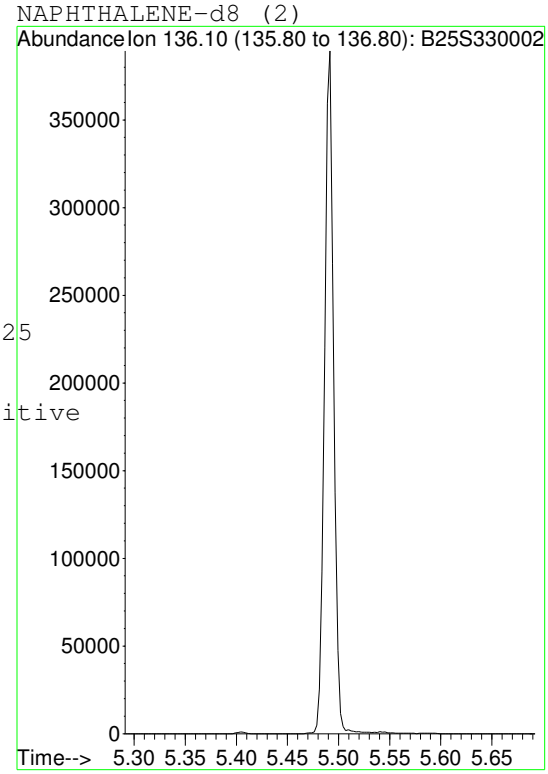
RT : 5.49
Area : 243195
Amount: 40

Manual Int. Results

Sun Nov 30 09:52:03 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

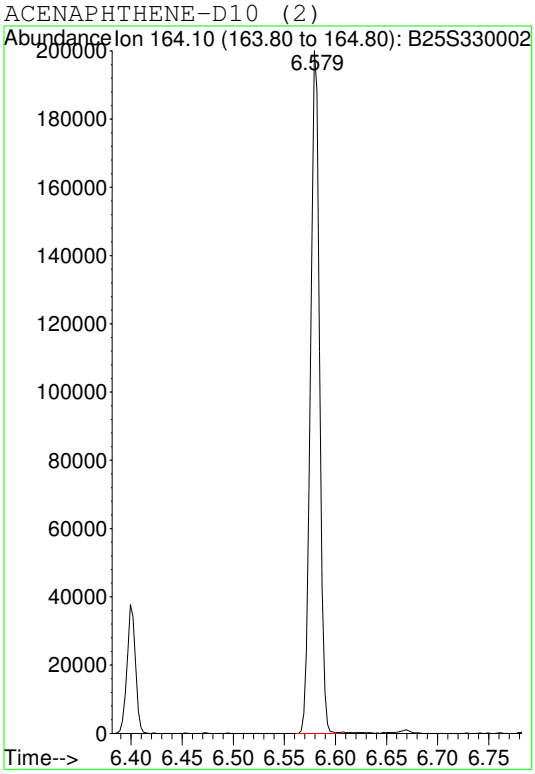
Manual Integration
NAPHTHALENE-d8 (2)



Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330002.D
Acq On : 26 Nov 2025 1:13 pm
Operator : BGL
Sample : 8270std 50 ppm 25H0510
Misc :

Quant Time : Sun Nov 30 09:52:04 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
ACENAPHTHENE-D10 (2)



Original Int. Results

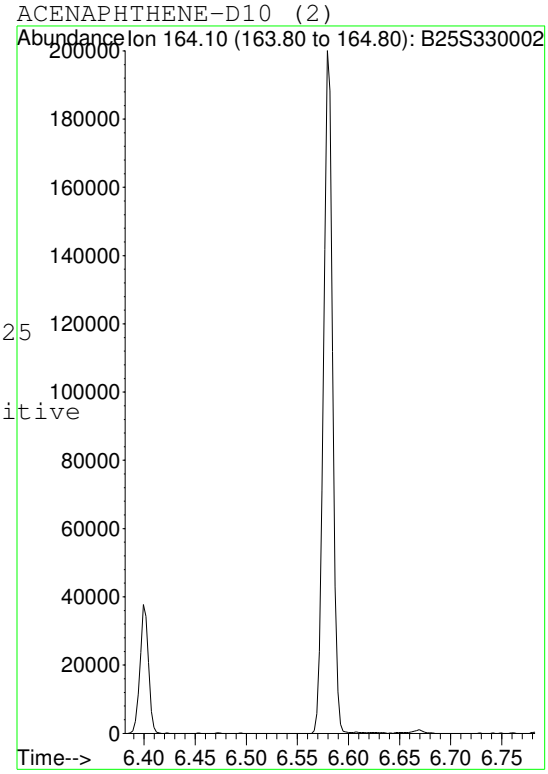
RT : 6.58
Area : 123935
Amount: 40

Manual Int. Results

Sun Nov 30 09:52:03 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

Manual Integration
ACENAPHTHENE-D10 (2)



7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Instrument ID:	GCMSSV2	Calibration:	2500833
Lab File ID:	B25S330003.D	Calibration Date:	10/24/25 00:00
Sequence:	S129079	Injection Date:	11/26/25
Lab Sample ID:	S129079-CCV2	Injection Time:	13:37

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2,3,4,6-Tetrachlorophenol	A	50.00	55.6	0.2580526	0.2870595		11.2	20	
Atrazine	A	50.00	60.8	0.3130468	0.3809452		21.7	20	*
Benzaldehyde	A	50.00	39.9	1.330872	1.061209		-20.3	20	*
Caprolactam	A	50.00	57.3	0.1225767	0.1404363		14.6	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330003.D
Acq On : 26 Nov 2025 1:37 pm
Operator : BGL
Sample : ncextras 50 ppm 25I0219 Inst : GCMSSV2
Misc :
ALS Vial : 3 Sample Multiplier: 1

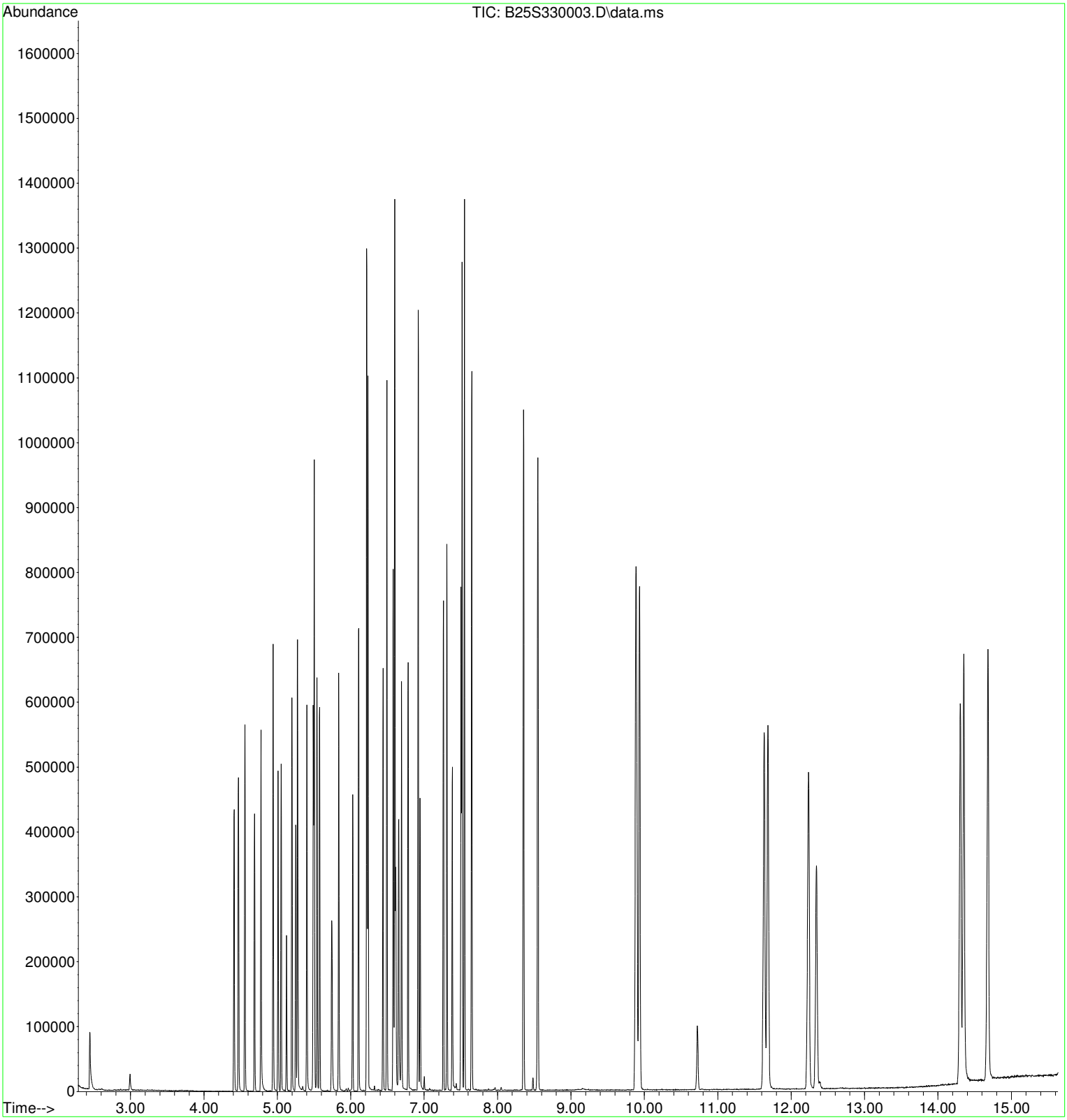
Quant Time: Nov 26 13:53:00 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	0.000	152	0m	40.00	ug/ml	-4.70
19) NAPHTHALENE-d8	0.000	136	0m	40.00	ug/ml	-5.50
35) ACENAPHTHENE-D10	0.000	164	0m	40.00	ug/ml	-6.59
58) PHENANTHRENE-D10	0.000	188	0m	40.00	ug/ml	-7.51
71) CHRYSENE-D12	0.000	240	0m	40.00	ug/ml	-9.91
80) PERYLENE-D12	0.000	264	0m	40.00	ug/ml	-12.36
88) 1,4-Dichlorobenzene-D4...	4.689	152	48914	40.00	ug/ml	-0.01
92) NAPHTHALENE-d8 (2)	5.489	136	189199	40.00	ug/ml	0.00
95) ACENAPHTHENE-D10 (2)	6.579	164	111804	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	0.000	112	0	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
3) Phenol-d6	0.000	99	0d	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
20) Nitrobenzene-d5	0.000	82	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
36) 2-Fluorobiphenyl	0.000	172	0	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
37) 2,4,6-Tribromophenol	0.000	330	0	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
72) p-Terphenyl-d14	0.000	244	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
89) 1,4-Dioxane	2.447	88	37072	44.64	ug/ml	99
90) Benzaldehyde	4.411	106	64885	39.87	ug/ml	99
91) Benzyl Alcohol	4.777	108	62295	53.50	ug/ml	97
93) 2,6-Dichlorophenol	5.540	162	86227	55.74	ug/ml	99
94) Caprolactam	5.744	113	33213	57.29	ug/ml	96
96) 2,3,4,6-Tetrachlorophenol	6.782	230	40118	55.62	ug/ml	96
97) Atrazine	7.310	200	53239	60.84	ug/ml	97

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

Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330003.D
Acq On : 26 Nov 2025 1:37 pm
Operator : BGL
Sample : ncextras 50 ppm 25I0219 Inst : GCMSSV2
Misc :
ALS Vial : 3 Sample Multiplier: 1

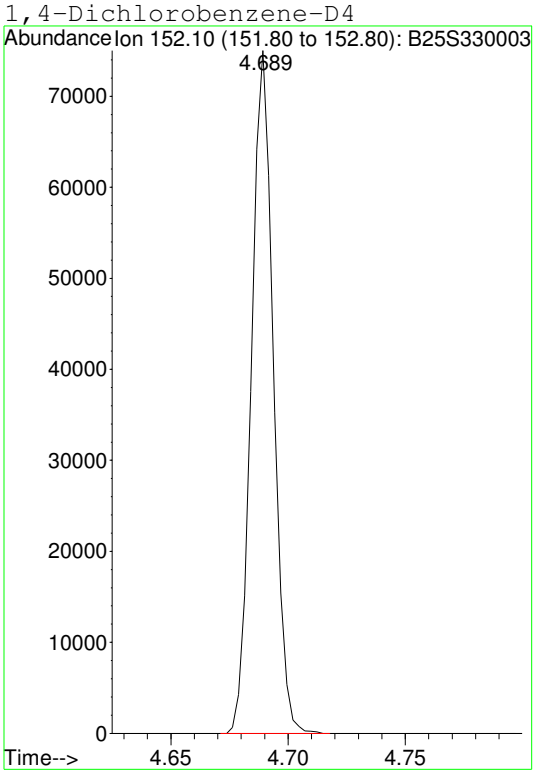
Quant Time: Nov 26 13:53:00 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330003.D
Acq On : 26 Nov 2025 1:37 pm
Operator : BGL
Sample : ncextras 50 ppm 25I0219
Misc :

Quant Time : Sun Nov 30 09:55:04 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
1,4-Dichlorobenzene-D4



Original Int. Results

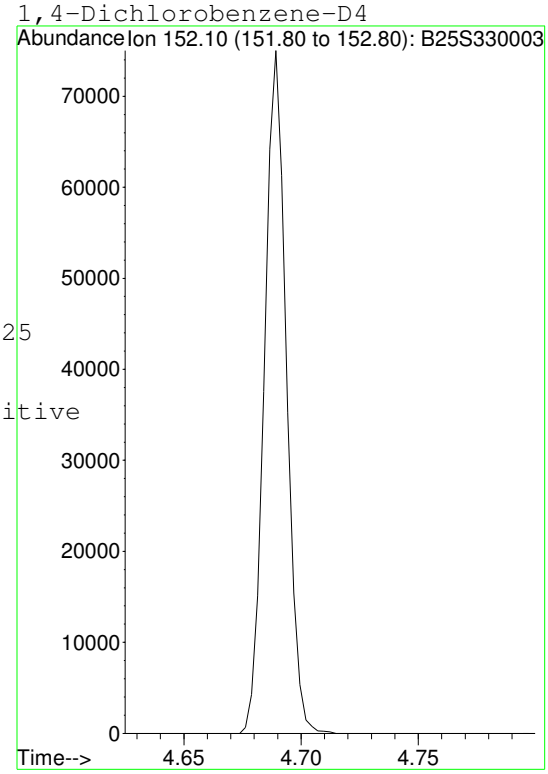
RT : 4.69
Area : 48914
Amount: 40

Manual Int. Results

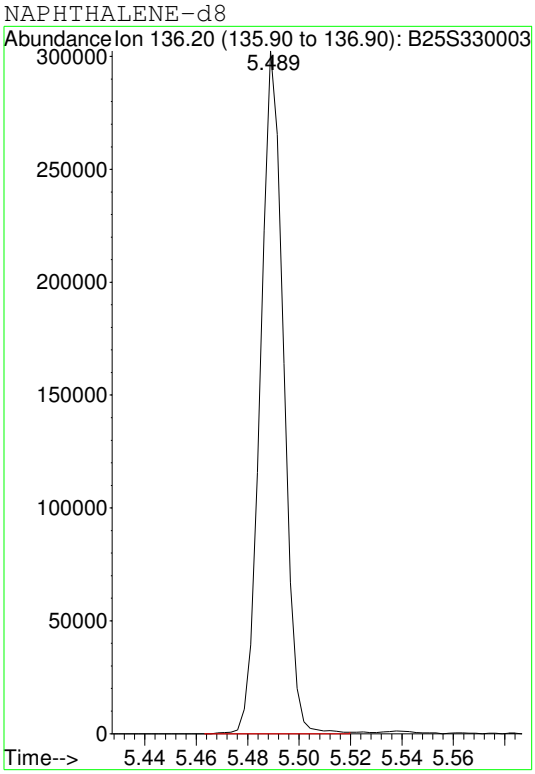
Sun Nov 30 09:55:04 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

Manual Integration
1,4-Dichlorobenzene-D4



Original Integration
NAPHTHALENE-d8



Original Int. Results

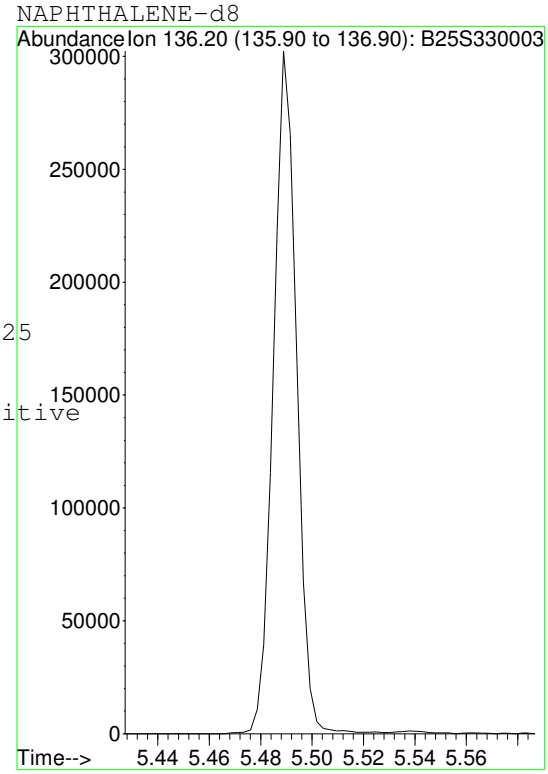
RT : 5.49
Area : 189199
Amount: 40

Manual Int. Results

Sun Nov 30 09:55:02 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

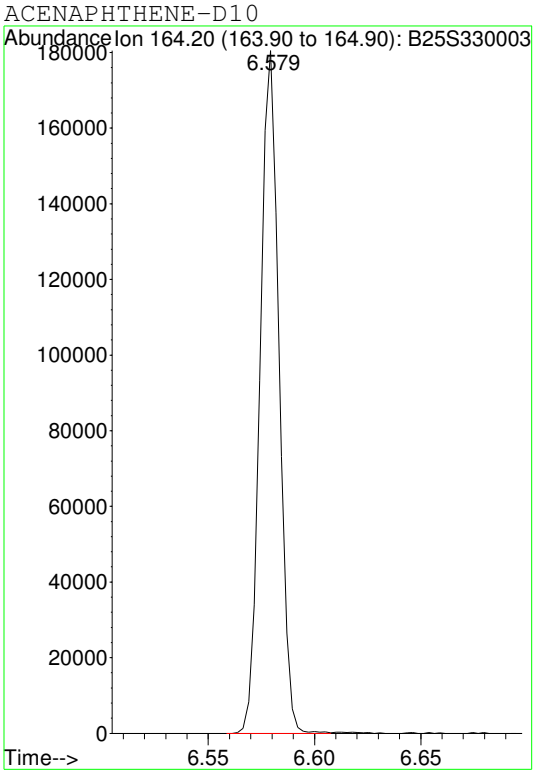
Manual Integration
NAPHTHALENE-d8



Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330003.D
Acq On : 26 Nov 2025 1:37 pm
Operator : BGL
Sample : ncextras 50 ppm 25I0219
Misc :

Quant Time : Sun Nov 30 09:55:04 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
ACENAPHTHENE-D10



Original Int. Results

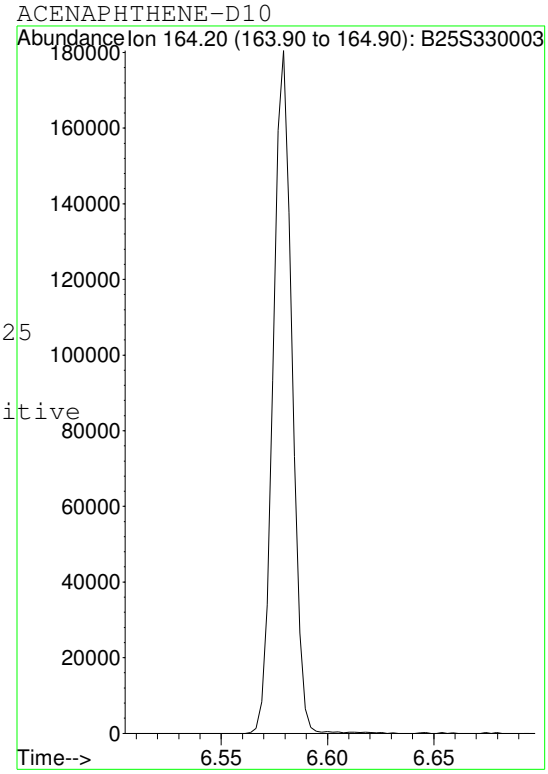
RT : 6.58
Area : 111804
Amount: 40

Manual Int. Results

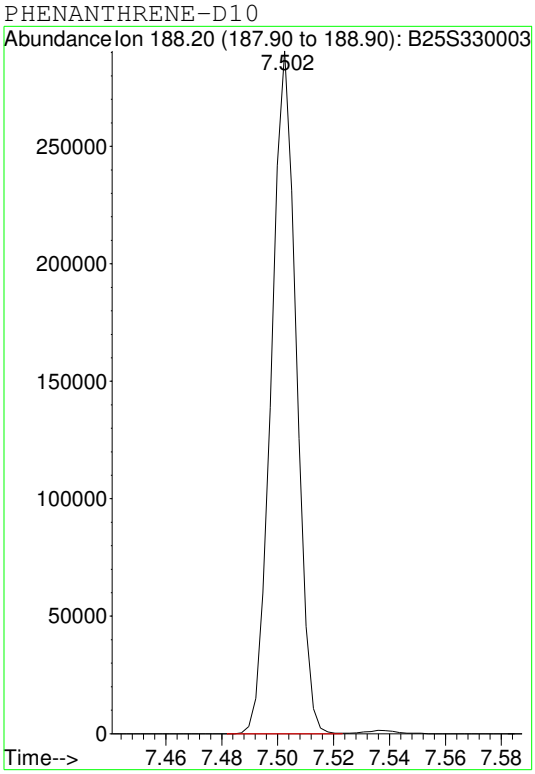
Sun Nov 30 09:55:00 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

Manual Integration
ACENAPHTHENE-D10



Original Integration
PHENANTHRENE-D10



Original Int. Results

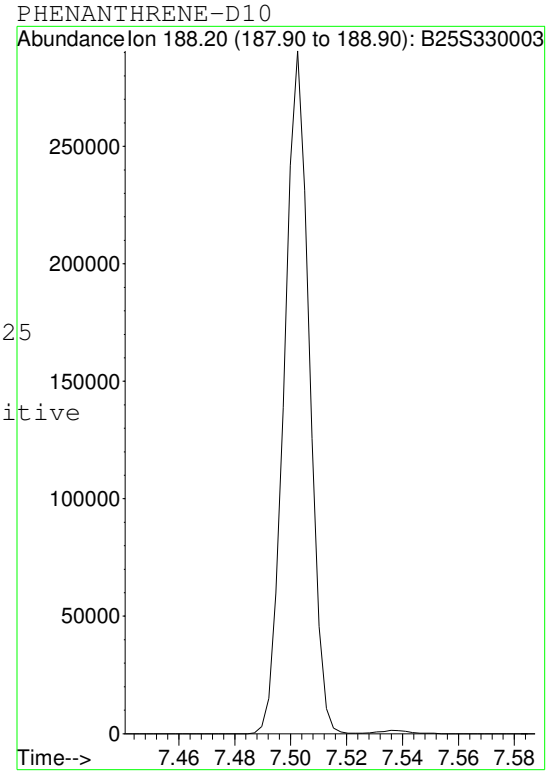
RT : 7.50
Area : 180031
Amount: 40

Manual Int. Results

Sun Nov 30 09:54:58 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

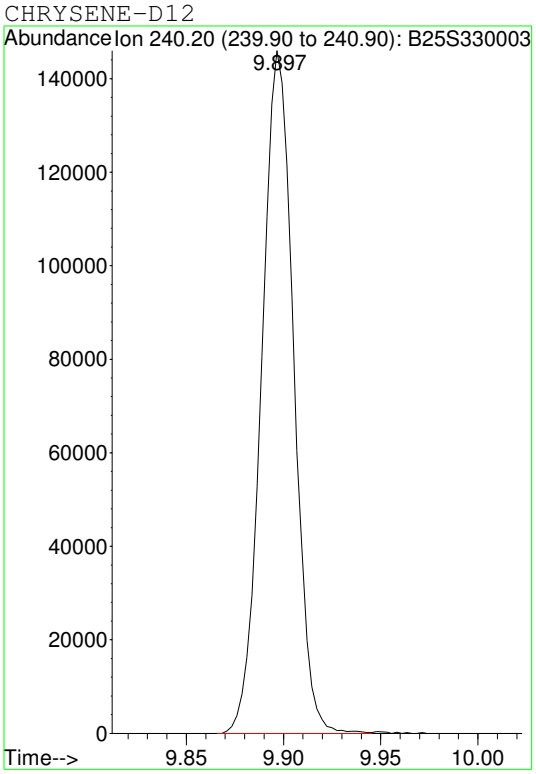
Manual Integration
PHENANTHRENE-D10



Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330003.D
Acq On : 26 Nov 2025 1:37 pm
Operator : BGL
Sample : ncextras 50 ppm 25I0219
Misc :

Quant Time : Sun Nov 30 09:55:04 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
CHRYSENE-D12



Original Int. Results

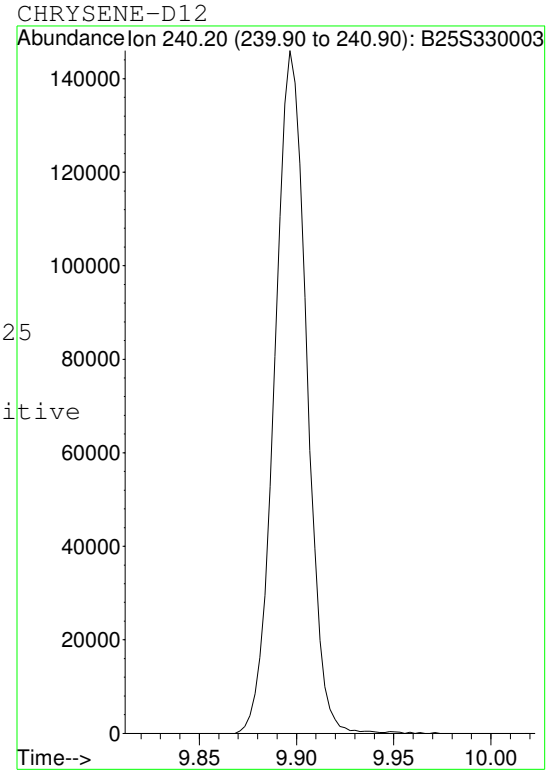
RT : 9.90
Area : 166999
Amount: 40

Manual Int. Results

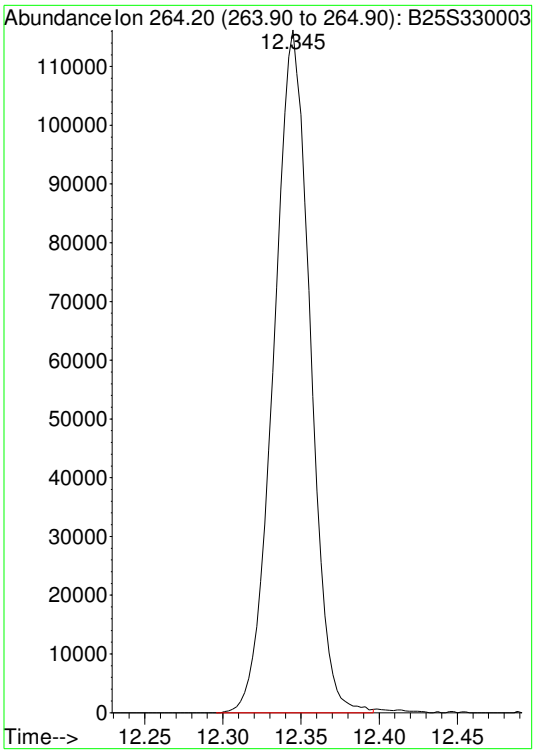
Sun Nov 30 09:54:56 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

Manual Integration
CHRYSENE-D12



Original Integration
PERYLENE-D12



Original Int. Results

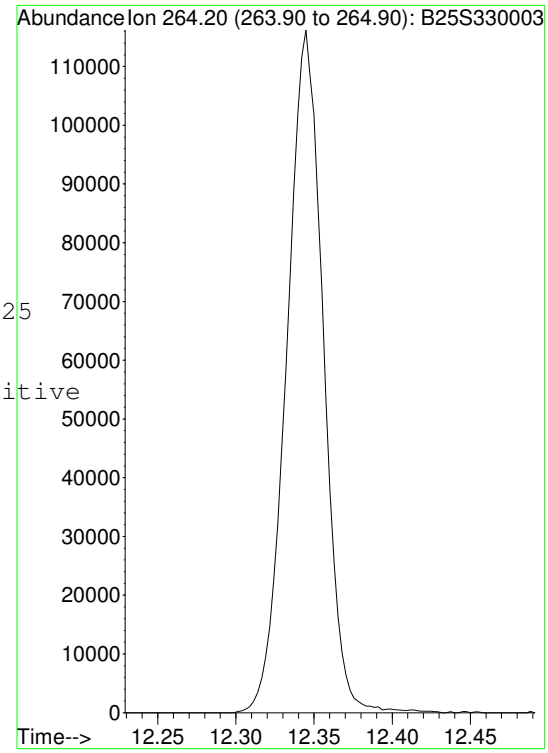
RT : 12.34
Area : 188282
Amount: 40

Manual Int. Results

Sun Nov 30 09:54:55 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

Manual Integration
PERYLENE-D12



8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Sequence:	S128977	Instrument:	GCMSSV2
		Calibration:	2500833

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S128977-CCV1)			*Lab File ID: B25S328017.D*			*Analyzed: 11/24/25 15:42*			
1,4-Dichlorobenzene-d4	54140	4.692	68730	4.702	79	50 - 200	-0.0100	+/-0.50	
Naphthalene-d8	214514	5.492	277939	5.502	77	50 - 200	-0.0100	+/-0.50	
Acenaphthene-d10	120762	6.582	156569	6.592	77	50 - 200	-0.0100	+/-0.50	
Phenanthrene-d10	206861	7.503	252852	7.513	82	50 - 200	-0.0100	+/-0.50	
Chrysene-d12	215296	9.899	243698	9.915	88	50 - 200	-0.0160	+/-0.50	
Perylene-d12	237443	12.345	256883	12.36	92	50 - 200	-0.0150	+/-0.50	
Calibration Check (S128977-CCV2)			*Lab File ID: B25S328018.D*			*Analyzed: 11/24/25 16:06*			
1,4-Dichlorobenzene-d4 (2)	70254	4.692	54249	4.702	130	50 - 200	-0.0100	+/-0.50	
Naphthalene-d8 (2)	271916	5.491	217054	5.502	125	50 - 200	-0.0110	+/-0.50	
Acenaphthene-d10 (2)	156836	6.582	121260	6.592	129	50 - 200	-0.0100	+/-0.50	
LCS (B417934-BS1)			*Lab File ID: B25S328025.D*			*Analyzed: 11/24/25 18:58*			
1,4-Dichlorobenzene-d4	59792	4.692	54140	4.692	110	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	229686	5.492	214514	5.492	107	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	119903	6.579	120762	6.582	99	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	210979	7.502	206861	7.503	102	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	214536	9.897	215296	9.899	100	50 - 200	-0.0020	+/-0.50	
Perylene-d12	231835	12.342	237443	12.345	98	50 - 200	-0.0030	+/-0.50	
1,4-Dichlorobenzene-d4 (2)	59792	4.692	70254	4.692	85	50 - 200	0.0000	+/-0.50	
Naphthalene-d8 (2)	229686	5.492	271916	5.491	84	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10 (2)	119903	6.579	156836	6.582	76	50 - 200	-0.0030	+/-0.50	
LCS Dup (B417934-BSD1)			*Lab File ID: B25S328026.D*			*Analyzed: 11/24/25 19:22*			
1,4-Dichlorobenzene-d4	58629	4.692	54140	4.692	108	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	220561	5.491	214514	5.492	103	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	121501	6.579	120762	6.582	101	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	217709	7.502	206861	7.503	105	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	224332	9.899	215296	9.899	104	50 - 200	0.0000	+/-0.50	
Perylene-d12	243266	12.342	237443	12.345	102	50 - 200	-0.0030	+/-0.50	
1,4-Dichlorobenzene-d4 (2)	58629	4.692	70254	4.692	83	50 - 200	0.0000	+/-0.50	
Naphthalene-d8 (2)	220561	5.491	271916	5.491	81	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (2)	121501	6.579	156836	6.582	77	50 - 200	-0.0030	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Sequence:	S128977	Instrument:	GCMSSV2
		Calibration:	2500833

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Blank (B417934-BLK1)			*Lab File ID: B25S328029.D*			*Analyzed: 11/24/25 20:36*			
1,4-Dichlorobenzene-d4	57273	4.689	54140	4.692	106	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	220180	5.489	214514	5.492	103	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	116931	6.579	120762	6.582	97	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	194337	7.503	206861	7.503	94	50 - 200	0.0000	+/-0.50	
Chrysene-d12	179866	9.894	215296	9.899	84	50 - 200	-0.0050	+/-0.50	
Perylene-d12	192542	12.337	237443	12.345	81	50 - 200	-0.0080	+/-0.50	
1,4-Dichlorobenzene-d4 (2)	57273	4.689	70254	4.692	82	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8 (2)	220180	5.489	271916	5.491	81	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10 (2)	116931	6.579	156836	6.582	75	50 - 200	-0.0030	+/-0.50	
C-2 (0-2in) (25K1213-01)			*Lab File ID: B25S328030.D*			*Analyzed: 11/24/25 21:00*			
1,4-Dichlorobenzene-d4	55766	4.692	54140	4.692	103	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	211533	5.489	214514	5.492	99	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	107297	6.579	120762	6.582	89	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	180338	7.503	206861	7.503	87	50 - 200	0.0000	+/-0.50	
Chrysene-d12	176331	9.894	215296	9.899	82	50 - 200	-0.0050	+/-0.50	
Perylene-d12	185107	12.342	237443	12.345	78	50 - 200	-0.0030	+/-0.50	
1,4-Dichlorobenzene-d4 (2)	55783	4.692	70254	4.692	79	50 - 200	0.0000	+/-0.50	
Naphthalene-d8 (2)	211533	5.489	271916	5.491	78	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10 (2)	107297	6.579	156836	6.582	68	50 - 200	-0.0030	+/-0.50	
C-2 (2-12in) (25K1213-02)			*Lab File ID: B25S328031.D*			*Analyzed: 11/24/25 21:24*			
1,4-Dichlorobenzene-d4	59034	4.689	54140	4.692	109	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	219288	5.489	214514	5.492	102	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	118094	6.579	120762	6.582	98	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	203837	7.502	206861	7.503	99	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	205047	9.894	215296	9.899	95	50 - 200	-0.0050	+/-0.50	
Perylene-d12	213198	12.342	237443	12.345	90	50 - 200	-0.0030	+/-0.50	
1,4-Dichlorobenzene-d4 (2)	59034	4.689	70254	4.692	84	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8 (2)	219288	5.489	271916	5.491	81	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10 (2)	118094	6.579	156836	6.582	75	50 - 200	-0.0030	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Sequence:	S128977	Instrument:	GCMSSV2
		Calibration:	2500833

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
C-3 (0-2in) (25K1213-03)			*Lab File ID: B25S328032.D*			*Analyzed: 11/24/25 21:48*			
1,4-Dichlorobenzene-d4	55452	4.689	54140	4.692	102	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	216433	5.489	214514	5.492	101	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	117339	6.579	120762	6.582	97	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	205272	7.502	206861	7.503	99	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	211096	9.896	215296	9.899	98	50 - 200	-0.0030	+/-0.50	
Perylene-d12	209227	12.345	237443	12.345	88	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4 (2)	55452	4.689	70254	4.692	79	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8 (2)	216433	5.489	271916	5.491	80	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10 (2)	117339	6.579	156836	6.582	75	50 - 200	-0.0030	+/-0.50	
C-3 (2-12in) (25K1213-04)			*Lab File ID: B25S328033.D*			*Analyzed: 11/24/25 22:13*			
1,4-Dichlorobenzene-d4	58585	4.689	54140	4.692	108	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	222655	5.489	214514	5.492	104	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	113061	6.579	120762	6.582	94	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	189765	7.503	206861	7.503	92	50 - 200	0.0000	+/-0.50	
Chrysene-d12	190268	9.894	215296	9.899	88	50 - 200	-0.0050	+/-0.50	
Perylene-d12	169104	12.347	237443	12.345	71	50 - 200	0.0020	+/-0.50	
1,4-Dichlorobenzene-d4 (2)	58585	4.689	70254	4.692	83	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8 (2)	222628	5.489	271916	5.491	82	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10 (2)	113061	6.579	156836	6.582	72	50 - 200	-0.0030	+/-0.50	
E-4 (0-2in) (25K1213-05)			*Lab File ID: B25S328034.D*			*Analyzed: 11/24/25 22:37*			
1,4-Dichlorobenzene-d4	62692	4.692	54140	4.692	116	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	239475	5.489	214514	5.492	112	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	128345	6.579	120762	6.582	106	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	225150	7.502	206861	7.503	109	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	217906	9.897	215296	9.899	101	50 - 200	-0.0020	+/-0.50	
Perylene-d12	193482	12.345	237443	12.345	81	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4 (2)	62692	4.692	70254	4.692	89	50 - 200	0.0000	+/-0.50	
Naphthalene-d8 (2)	239475	5.489	271916	5.491	88	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10 (2)	128319	6.579	156836	6.582	82	50 - 200	-0.0030	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Sequence:	S128977	Instrument:	GCMSSV2
		Calibration:	2500833

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
E-4 (2-12in) (25K1213-06)			*Lab File ID: B25S328035.D*			*Analyzed: 11/24/25 23:01*			
1,4-Dichlorobenzene-d4	62062	4.692	54140	4.692	115	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	232726	5.489	214514	5.492	108	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	123153	6.579	120762	6.582	102	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	216629	7.502	206861	7.503	105	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	199388	9.899	215296	9.899	93	50 - 200	0.0000	+/-0.50	
Perylene-d12	177391	12.347	237443	12.345	75	50 - 200	0.0020	+/-0.50	
1,4-Dichlorobenzene-d4 (2)	62062	4.692	70254	4.692	88	50 - 200	0.0000	+/-0.50	
Naphthalene-d8 (2)	232726	5.489	271916	5.491	86	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10 (2)	123153	6.579	156836	6.582	79	50 - 200	-0.0030	+/-0.50	
E-1 (0-2in) (25K1213-07)			*Lab File ID: B25S328036.D*			*Analyzed: 11/24/25 23:25*			
1,4-Dichlorobenzene-d4	65252	4.692	54140	4.692	121	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	251159	5.491	214514	5.492	117	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	134110	6.579	120762	6.582	111	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	228779	7.502	206861	7.503	111	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	212599	9.899	215296	9.899	99	50 - 200	0.0000	+/-0.50	
Perylene-d12	190806	12.35	237443	12.345	80	50 - 200	0.0050	+/-0.50	
1,4-Dichlorobenzene-d4 (2)	65252	4.692	70254	4.692	93	50 - 200	0.0000	+/-0.50	
Naphthalene-d8 (2)	251159	5.491	271916	5.491	92	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (2)	134110	6.579	156836	6.582	86	50 - 200	-0.0030	+/-0.50	
E-1 (2-12in) (25K1213-08)			*Lab File ID: B25S328037.D*			*Analyzed: 11/24/25 23:50*			
1,4-Dichlorobenzene-d4	68155	4.692	54140	4.692	126	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	260575	5.492	214514	5.492	121	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	139212	6.579	120762	6.582	115	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	231543	7.503	206861	7.503	112	50 - 200	0.0000	+/-0.50	
Chrysene-d12	215039	9.902	215296	9.899	100	50 - 200	0.0030	+/-0.50	
Perylene-d12	193269	12.353	237443	12.345	81	50 - 200	0.0080	+/-0.50	
1,4-Dichlorobenzene-d4 (2)	68155	4.692	70254	4.692	97	50 - 200	0.0000	+/-0.50	
Naphthalene-d8 (2)	260575	5.492	271916	5.491	96	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10 (2)	139212	6.579	156836	6.582	89	50 - 200	-0.0030	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Sequence:	S128977	Instrument:	GCMSSV2
		Calibration:	2500833

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
C-1 (0-2in) (25K1213-09)			*Lab File ID: B25S328038.D*			*Analyzed: 11/25/25 00:14*			
1,4-Dichlorobenzene-d4	62257	4.692	54140	4.692	115	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	235652	5.491	214514	5.492	110	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	126367	6.582	120762	6.582	105	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	219490	7.502	206861	7.503	106	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	198887	9.899	215296	9.899	92	50 - 200	0.0000	+/-0.50	
Perylene-d12	179944	12.347	237443	12.345	76	50 - 200	0.0020	+/-0.50	
1,4-Dichlorobenzene-d4 (2)	62257	4.692	70254	4.692	89	50 - 200	0.0000	+/-0.50	
Naphthalene-d8 (2)	235652	5.491	271916	5.491	87	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (2)	126367	6.582	156836	6.582	81	50 - 200	0.0000	+/-0.50	
C-1 (2-12in) (25K1213-10)			*Lab File ID: B25S328039.D*			*Analyzed: 11/25/25 00:38*			
1,4-Dichlorobenzene-d4	61566	4.692	54140	4.692	114	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	231593	5.492	214514	5.492	108	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	122351	6.582	120762	6.582	101	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	209157	7.503	206861	7.503	101	50 - 200	0.0000	+/-0.50	
Chrysene-d12	187394	9.899	215296	9.899	87	50 - 200	0.0000	+/-0.50	
Perylene-d12	166931	12.35	237443	12.345	70	50 - 200	0.0050	+/-0.50	
1,4-Dichlorobenzene-d4 (2)	61566	4.692	70254	4.692	88	50 - 200	0.0000	+/-0.50	
Naphthalene-d8 (2)	231593	5.492	271916	5.491	85	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10 (2)	122351	6.582	156836	6.582	78	50 - 200	0.0000	+/-0.50	
B-1 (0-2in) (25K1213-11)			*Lab File ID: B25S328040.D*			*Analyzed: 11/25/25 01:02*			
1,4-Dichlorobenzene-d4	72382	4.692	54140	4.692	134	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	266940	5.491	214514	5.492	124	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	144066	6.582	120762	6.582	119	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	246639	7.505	206861	7.503	119	50 - 200	0.0020	+/-0.50	
Chrysene-d12	217975	9.902	215296	9.899	101	50 - 200	0.0030	+/-0.50	
Perylene-d12	208065	12.35	237443	12.345	88	50 - 200	0.0050	+/-0.50	
1,4-Dichlorobenzene-d4 (2)	72382	4.692	70254	4.692	103	50 - 200	0.0000	+/-0.50	
Naphthalene-d8 (2)	266940	5.491	271916	5.491	98	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (2)	144066	6.582	156836	6.582	92	50 - 200	0.0000	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Sequence:	S128977	Instrument:	GCMSSV2
		Calibration:	2500833

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
B-1 (2-12in) (25K1213-12)			*Lab File ID: B25S328041.D*			*Analyzed: 11/25/25 01:26*			
1,4-Dichlorobenzene-d4	63010	4.692	54140	4.692	116	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	239684	5.491	214514	5.492	112	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	121559	6.579	120762	6.582	101	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	203680	7.505	206861	7.503	98	50 - 200	0.0020	+/-0.50	
Chrysene-d12	189675	9.899	215296	9.899	88	50 - 200	0.0000	+/-0.50	
Perylene-d12	168014	12.35	237443	12.345	71	50 - 200	0.0050	+/-0.50	
1,4-Dichlorobenzene-d4 (2)	63010	4.692	70254	4.692	90	50 - 200	0.0000	+/-0.50	
Naphthalene-d8 (2)	239684	5.491	271916	5.491	88	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (2)	121559	6.579	156836	6.582	78	50 - 200	-0.0030	+/-0.50	
Dup-1 (25K1213-15)			*Lab File ID: B25S328046.D*			*Analyzed: 11/25/25 03:27*			
1,4-Dichlorobenzene-d4	63182	4.692	54140	4.692	117	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	245216	5.491	214514	5.492	114	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	134023	6.582	120762	6.582	111	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	230371	7.505	206861	7.503	111	50 - 200	0.0020	+/-0.50	
Chrysene-d12	207698	9.899	215296	9.899	96	50 - 200	0.0000	+/-0.50	
Perylene-d12	189809	12.35	237443	12.345	80	50 - 200	0.0050	+/-0.50	
1,4-Dichlorobenzene-d4 (2)	63182	4.692	70254	4.692	90	50 - 200	0.0000	+/-0.50	
Naphthalene-d8 (2)	245216	5.491	271916	5.491	90	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (2)	134023	6.582	156836	6.582	85	50 - 200	0.0000	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Sequence:	S129060	Instrument:	GCMSSV2
		Calibration:	2500833

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S129060-CCV1)			*Lab File ID: B25S329003.D*			*Analyzed: 11/25/25 14:08*			
1,4-Dichlorobenzene-d4	58011	4.692	68730	4.702	84	50 - 200	-0.0100	+/-0.50	
Naphthalene-d8	233460	5.494	277939	5.502	84	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	128779	6.584	156569	6.592	82	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	223571	7.508	252852	7.513	88	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	225156	9.907	243698	9.915	92	50 - 200	-0.0080	+/-0.50	
Perylene-d12	251595	12.355	256883	12.36	98	50 - 200	-0.0050	+/-0.50	
Calibration Check (S129060-CCV2)			*Lab File ID: B25S329004.D*			*Analyzed: 11/25/25 14:33*			
1,4-Dichlorobenzene-d4 (2)	50803	4.694	54249	4.702	94	50 - 200	-0.0080	+/-0.50	
Naphthalene-d8 (2)	188142	5.494	217054	5.502	87	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10 (2)	101952	6.584	121260	6.592	84	50 - 200	-0.0080	+/-0.50	
Dup-2 (25K1213-16)			*Lab File ID: B25S329014.D*			*Analyzed: 11/25/25 18:40*			
1,4-Dichlorobenzene-d4	60582	4.694	58011	4.692	104	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	230734	5.492	233460	5.494	99	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	118551	6.582	128779	6.584	92	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	193490	7.505	223571	7.508	87	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	186761	9.902	225156	9.907	83	50 - 200	-0.0050	+/-0.50	
Perylene-d12	191149	12.355	251595	12.355	76	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4 (2)	60582	4.694	50803	4.694	119	50 - 200	0.0000	+/-0.50	
Naphthalene-d8 (2)	230734	5.492	188142	5.494	123	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10 (2)	118551	6.582	101952	6.584	116	50 - 200	-0.0020	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Sequence:	S129079	Instrument:	GCMSSV2
		Calibration:	2500833

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S129079-CCV1)			*Lab File ID: B25S330002.D*			*Analyzed: 11/26/25 13:13*			
1,4-Dichlorobenzene-d4	58839	4.689	68730	4.702	86	50 - 200	-0.0130	+/-0.50	
Naphthalene-d8	243219	5.492	277939	5.502	88	50 - 200	-0.0100	+/-0.50	
Acenaphthene-d10	123935	6.579	156569	6.592	79	50 - 200	-0.0130	+/-0.50	
Phenanthrene-d10	209995	7.503	252852	7.513	83	50 - 200	-0.0100	+/-0.50	
Chrysene-d12	202884	9.899	243698	9.915	83	50 - 200	-0.0160	+/-0.50	
Perylene-d12	238069	12.35	256883	12.36	93	50 - 200	-0.0100	+/-0.50	
Calibration Check (S129079-CCV2)			*Lab File ID: B25S330003.D*			*Analyzed: 11/26/25 13:37*			
1,4-Dichlorobenzene-d4 (2)	48914	4.689	54249	4.702	90	50 - 200	-0.0130	+/-0.50	
Naphthalene-d8 (2)	189199	5.489	217054	5.502	87	50 - 200	-0.0130	+/-0.50	
Acenaphthene-d10 (2)	111804	6.579	121260	6.592	92	50 - 200	-0.0130	+/-0.50	
LCS (B418195-BS1)			*Lab File ID: B25S330010.D*			*Analyzed: 11/26/25 16:36*			
1,4-Dichlorobenzene-d4	53076	4.689	58839	4.689	90	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	204690	5.489	243219	5.492	84	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	108199	6.579	123935	6.579	87	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	181128	7.502	209995	7.503	86	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	172383	9.899	202884	9.899	85	50 - 200	0.0000	+/-0.50	
Perylene-d12	195356	12.347	238069	12.35	82	50 - 200	-0.0030	+/-0.50	
1,4-Dichlorobenzene-d4 (2)	53076	4.689	48914	4.689	109	50 - 200	0.0000	+/-0.50	
Naphthalene-d8 (2)	204690	5.489	189199	5.489	108	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (2)	108199	6.579	111804	6.579	97	50 - 200	0.0000	+/-0.50	
LCS Dup (B418195-BSD1)			*Lab File ID: B25S330011.D*			*Analyzed: 11/26/25 17:00*			
1,4-Dichlorobenzene-d4	53628	4.689	58839	4.689	91	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	204309	5.489	243219	5.492	84	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	102049	6.579	123935	6.579	82	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	171434	7.502	209995	7.503	82	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	166375	9.899	202884	9.899	82	50 - 200	0.0000	+/-0.50	
Perylene-d12	186861	12.345	238069	12.35	78	50 - 200	-0.0050	+/-0.50	
1,4-Dichlorobenzene-d4 (2)	53628	4.689	48914	4.689	110	50 - 200	0.0000	+/-0.50	
Naphthalene-d8 (2)	204309	5.489	189199	5.489	108	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (2)	102049	6.579	111804	6.579	91	50 - 200	0.0000	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Sequence:	S129079	Instrument:	GCMSSV2
		Calibration:	2500833

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Blank (B418195-BLK1)			*Lab File ID: B25S330012.D*			*Analyzed: 11/26/25 17:25*			
1,4-Dichlorobenzene-d4	54064	4.689	58839	4.689	92	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	206087	5.489	243219	5.492	85	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	104616	6.579	123935	6.579	84	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	166587	7.502	209995	7.503	79	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	157107	9.894	202884	9.899	77	50 - 200	-0.0050	+/-0.50	
Perylene-d12	174494	12.345	238069	12.35	73	50 - 200	-0.0050	+/-0.50	
1,4-Dichlorobenzene-d4 (2)	54064	4.689	48914	4.689	111	50 - 200	0.0000	+/-0.50	
Naphthalene-d8 (2)	206087	5.489	189199	5.489	109	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (2)	104616	6.579	111804	6.579	94	50 - 200	0.0000	+/-0.50	
B-2 (0-2in) (25K1213-13RE1)			*Lab File ID: B25S330013.D*			*Analyzed: 11/26/25 17:49*			
1,4-Dichlorobenzene-d4	63223	4.689	58839	4.689	107	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	242558	5.489	243219	5.492	100	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	125279	6.579	123935	6.579	101	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	207551	7.503	209995	7.503	99	50 - 200	0.0000	+/-0.50	
Chrysene-d12	207433	9.897	202884	9.899	102	50 - 200	-0.0020	+/-0.50	
Perylene-d12	233187	12.342	238069	12.35	98	50 - 200	-0.0080	+/-0.50	
1,4-Dichlorobenzene-d4 (2)	63223	4.689	48914	4.689	129	50 - 200	0.0000	+/-0.50	
Naphthalene-d8 (2)	242558	5.489	189199	5.489	128	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (2)	125279	6.579	111804	6.579	112	50 - 200	0.0000	+/-0.50	
B-2 (2-12in) (25K1213-14RE1)			*Lab File ID: B25S330014.D*			*Analyzed: 11/26/25 18:13*			
1,4-Dichlorobenzene-d4	58903	4.689	58839	4.689	100	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	234052	5.489	243219	5.492	96	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	114504	6.579	123935	6.579	92	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	201229	7.503	209995	7.503	96	50 - 200	0.0000	+/-0.50	
Chrysene-d12	214076	9.897	202884	9.899	106	50 - 200	-0.0020	+/-0.50	
Perylene-d12	241951	12.345	238069	12.35	102	50 - 200	-0.0050	+/-0.50	
1,4-Dichlorobenzene-d4 (2)	58903	4.689	48914	4.689	120	50 - 200	0.0000	+/-0.50	
Naphthalene-d8 (2)	234052	5.489	189199	5.489	124	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (2)	114504	6.579	111804	6.579	102	50 - 200	0.0000	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Sequence:	S129079	Instrument:	GCMSSV2
		Calibration:	2500833

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike (B418195-MS1)			*Lab File ID: B25S330015.D*			*Analyzed: 11/26/25 18:38*			
1,4-Dichlorobenzene-d4	58953	4.689	58839	4.689	100	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	209280	5.489	243219	5.492	86	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	115319	6.579	123935	6.579	93	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	200740	7.503	209995	7.503	96	50 - 200	0.0000	+/-0.50	
Chrysene-d12	215874	9.899	202884	9.899	106	50 - 200	0.0000	+/-0.50	
Perylene-d12	227057	12.35	238069	12.35	95	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4 (2)	58953	4.689	48914	4.689	121	50 - 200	0.0000	+/-0.50	
Naphthalene-d8 (2)	209280	5.489	189199	5.489	111	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (2)	115182	6.579	111804	6.579	103	50 - 200	0.0000	+/-0.50	
Matrix Spike Dup (B418195-MSD1)			*Lab File ID: B25S330016.D*			*Analyzed: 11/26/25 19:02*			
1,4-Dichlorobenzene-d4	65020	4.689	58839	4.689	111	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	258475	5.492	243219	5.492	106	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	127312	6.582	123935	6.579	103	50 - 200	0.0030	+/-0.50	
Phenanthrene-d10	228052	7.505	209995	7.503	109	50 - 200	0.0020	+/-0.50	
Chrysene-d12	238397	9.902	202884	9.899	118	50 - 200	0.0030	+/-0.50	
Perylene-d12	265479	12.35	238069	12.35	112	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4 (2)	65020	4.689	48914	4.689	133	50 - 200	0.0000	+/-0.50	
Naphthalene-d8 (2)	258475	5.492	189199	5.489	137	50 - 200	0.0030	+/-0.50	
Acenaphthene-d10 (2)	127315	6.582	111804	6.579	114	50 - 200	0.0030	+/-0.50	
Matrix Spike (B418195-MS2)			*Lab File ID: B25S330017.D*			*Analyzed: 11/26/25 19:27*			
1,4-Dichlorobenzene-d4	66225	4.692	58839	4.689	113	50 - 200	0.0030	+/-0.50	
Naphthalene-d8	263379	5.491	243219	5.492	108	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	134717	6.582	123935	6.579	109	50 - 200	0.0030	+/-0.50	
Phenanthrene-d10	212940	7.505	209995	7.503	101	50 - 200	0.0020	+/-0.50	
Chrysene-d12	196849	9.902	202884	9.899	97	50 - 200	0.0030	+/-0.50	
Perylene-d12	222870	12.35	238069	12.35	94	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4 (2)	66225	4.692	48914	4.689	135	50 - 200	0.0030	+/-0.50	
Naphthalene-d8 (2)	263549	5.491	189199	5.489	139	50 - 200	0.0020	+/-0.50	
Acenaphthene-d10 (2)	134657	6.582	111804	6.579	120	50 - 200	0.0030	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Sequence:	S129079	Instrument:	GCMSSV2
		Calibration:	2500833

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike Dup (B418195-MSD2)			*Lab File ID: B25S330018.D*			*Analyzed: 11/26/25 19:52*			
1,4-Dichlorobenzene-d4	62624	4.692	58839	4.689	106	50 - 200	0.0030	+/-0.50	
Naphthalene-d8	218488	5.491	243219	5.492	90	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	116725	6.582	123935	6.579	94	50 - 200	0.0030	+/-0.50	
Phenanthrene-d10	209850	7.505	209995	7.503	100	50 - 200	0.0020	+/-0.50	
Chrysene-d12	227302	9.902	202884	9.899	112	50 - 200	0.0030	+/-0.50	
Perylene-d12	253771	12.355	238069	12.35	107	50 - 200	0.0050	+/-0.50	
1,4-Dichlorobenzene-d4 (2)	62624	4.692	48914	4.689	128	50 - 200	0.0030	+/-0.50	
Naphthalene-d8 (2)	218488	5.491	189199	5.489	115	50 - 200	0.0020	+/-0.50	
Acenaphthene-d10 (2)	116701	6.582	111804	6.579	104	50 - 200	0.0030	+/-0.50	

QC DATA

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B417934-BLK1	File ID:	B25S328029.D
Sampled:		Prepared:	11/20/25 15:25	Analyzed:	11/24/25 20:36
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.09 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833
Instrument:	GCMSSV2				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg wet)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol		0.048	0.67	
1912-24-9	Atrazine		0.046	0.67	
100-52-7	Benzaldehyde		0.047	0.34	L-04, V-05, V-34
92-52-4	Biphenyl		0.038	0.067	
105-60-2	Caprolactam		0.059	0.34	
83-32-9	Acenaphthene		0.0037	0.033	
208-96-8	Acenaphthylene		0.0042	0.033	
98-86-2	Acetophenone		0.035	0.34	
62-53-3	Aniline		0.064	0.34	V-34
120-12-7	Anthracene		0.0038	0.033	
56-55-3	Benzo(a)anthracene		0.0052	0.033	
50-32-8	Benzo(a)pyrene		0.011	0.033	
205-99-2	Benzo(b)fluoranthene		0.0082	0.033	
191-24-2	Benzo(g,h,i)perylene		0.013	0.033	
207-08-9	Benzo(k)fluoranthene		0.0068	0.033	
111-91-1	Bis(2-chloroethoxy)methane		0.034	0.34	
111-44-4	Bis(2-chloroethyl)ether		0.045	0.34	
108-60-1	2,2'-oxybis(1-Chloropropane)		0.14	0.34	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.046	0.34	
101-55-3	4-Bromophenylphenylether		0.030	0.34	
85-68-7	Butylbenzylphthalate		0.038	0.34	
86-74-8	Carbazole		0.035	0.17	
106-47-8	4-Chloroaniline		0.054	0.66	
59-50-7	4-Chloro-3-methylphenol		0.036	0.66	
91-58-7	2-Chloronaphthalene		0.030	0.34	
95-57-8	2-Chlorophenol		0.030	0.34	
7005-72-3	4-Chlorophenylphenylether		0.031	0.34	
218-01-9	Chrysene		0.0043	0.033	
53-70-3	Dibenz(a,h)anthracene		0.015	0.033	

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B417934-BLK1	File ID:	B25S328029.D
Sampled:		Prepared:	11/20/25 15:25	Analyzed:	11/24/25 20:36
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.09 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833	Instrument:	GCMSSV2
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg wet)	MDL	RL	Q
132-64-9	Dibenzofuran		0.033	0.34	
84-74-2	Di-n-butylphthalate		0.13	0.34	
91-94-1	3,3-Dichlorobenzidine		0.060	0.17	
120-83-2	2,4-Dichlorophenol		0.032	0.34	
84-66-2	Diethylphthalate		0.033	0.34	
105-67-9	2,4-Dimethylphenol		0.070	0.34	
131-11-3	Dimethylphthalate		0.030	0.34	
534-52-1	4,6-Dinitro-2-methylphenol		0.28	0.34	
51-28-5	2,4-Dinitrophenol		0.32	0.66	V-04, V-06
121-14-2	2,4-Dinitrotoluene		0.080	0.34	
606-20-2	2,6-Dinitrotoluene		0.042	0.34	
117-84-0	Di-n-octylphthalate		0.050	0.34	
206-44-0	Fluoranthene		0.0047	0.033	
86-73-7	Fluorene		0.0040	0.033	
118-74-1	Hexachlorobenzene		0.034	0.34	
87-68-3	Hexachlorobutadiene		0.035	0.34	
77-47-4	Hexachlorocyclopentadiene		0.17	0.34	
67-72-1	Hexachloroethane		0.031	0.34	
193-39-5	Indeno(1,2,3-cd)pyrene		0.014	0.033	
78-59-1	Isophorone		0.036	0.34	
90-12-0	1-Methylnaphthalene		0.0042	0.033	
91-57-6	2-Methylnaphthalene		0.0038	0.033	
95-48-7	2-Methylphenol		0.043	0.34	
108-39-4/106-44-5	3/4-Methylphenol		0.055	0.34	
91-20-3	Naphthalene		0.0048	0.033	
88-74-4	2-Nitroaniline		0.052	0.34	
99-09-2	3-Nitroaniline		0.044	0.34	
100-01-6	4-Nitroaniline		0.048	0.34	
98-95-3	Nitrobenzene		0.038	0.34	

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B417934-BLK1	File ID:	B25S328029.D
Sampled:		Prepared:	11/20/25 15:25	Analyzed:	11/24/25 20:36
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.09 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833
Instrument:	GCMSSV2				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg wet)	MDL	RL	Q
88-75-5	2-Nitrophenol		0.035	0.34	
100-02-7	4-Nitrophenol		0.13	0.66	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.044	0.34	
621-64-7	N-Nitrosodi-n-propylamine		0.042	0.34	
87-86-5	Pentachlorophenol		0.043	0.34	
85-01-8	Phenanthrene		0.0034	0.033	
108-95-2	Phenol		0.032	0.34	
129-00-0	Pyrene		0.0057	0.033	
110-86-1	Pyridine		0.043	0.34	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.033	0.34	
95-95-4	2,4,5-Trichlorophenol		0.034	0.34	
88-06-2	2,4,6-Trichlorophenol		0.030	0.34	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328029.D
Acq On : 24 Nov 2025 8:36 pm
Operator : BGL
Sample : B417934-BLK1 Inst : GCMSSV2
Misc :
ALS Vial : 29 Sample Multiplier: 1

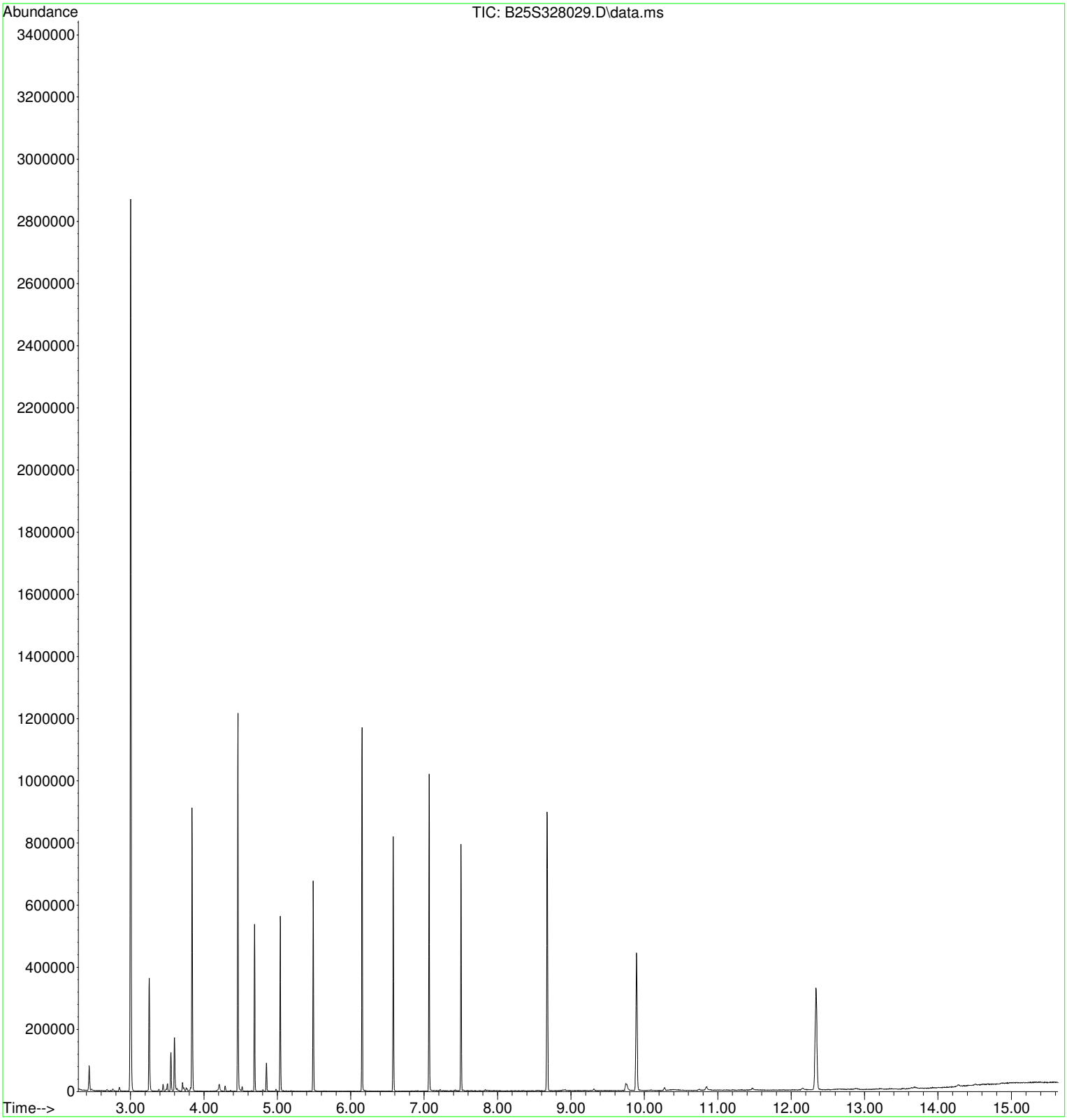
Quant Time: Nov 24 20:51:52 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.689	152	57273	40.00	ug/ml	-0.01
19) NAPHTHALENE-d8	5.489	136	220180	40.00	ug/ml	-0.01
35) ACENAPHTHENE-D10	6.579	164	116931	40.00	ug/ml	-0.01
58) PHENANTHRENE-D10	7.503	188	194337	40.00	ug/ml	-0.01
71) CHRYSENE-D12	9.894	240	179866	40.00	ug/ml	-0.02
80) PERYLENE-D12	12.337	264	192542	40.00	ug/ml	-0.02
88) 1,4-Dichlorobenzene-D4...	4.689	152	57273	40.00	ug/ml	-0.01
92) NAPHTHALENE-d8 (2)	5.489	136	220180	40.00	ug/ml	-0.01
95) ACENAPHTHENE-D10 (2)	6.579	164	116931	40.00	ug/ml	-0.01
System Monitoring Compounds						
2) 2-Fluorophenol	3.838	112	187973	117.47	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 58.74%			
3) Phenol-d6	4.463	99	299814	113.64	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 56.82%			
20) Nitrobenzene-d5	5.039	82	127955	58.39	ug/ml	-0.02
Spiked Amount 100.000	Range 30 - 130		Recovery = 58.39%			
36) 2-Fluorobiphenyl	6.155	172	243795	63.16	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 63.16%			
37) 2,4,6-Tribromophenol	7.068	330	72382	139.38	ug/ml	-0.01
Spiked Amount 200.000	Range 30 - 130		Recovery = 69.69%			
72) p-Terphenyl-d14	8.675	244	247545	66.46	ug/ml	-0.02
Spiked Amount 100.000	Range 30 - 130		Recovery = 66.46%			
Target Compounds						Qvalue

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

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328029.D
Acq On : 24 Nov 2025 8:36 pm
Operator : BGL
Sample : B417934-BLK1 Inst : GCMSSV2
Misc :
ALS Vial : 29 Sample Multiplier: 1

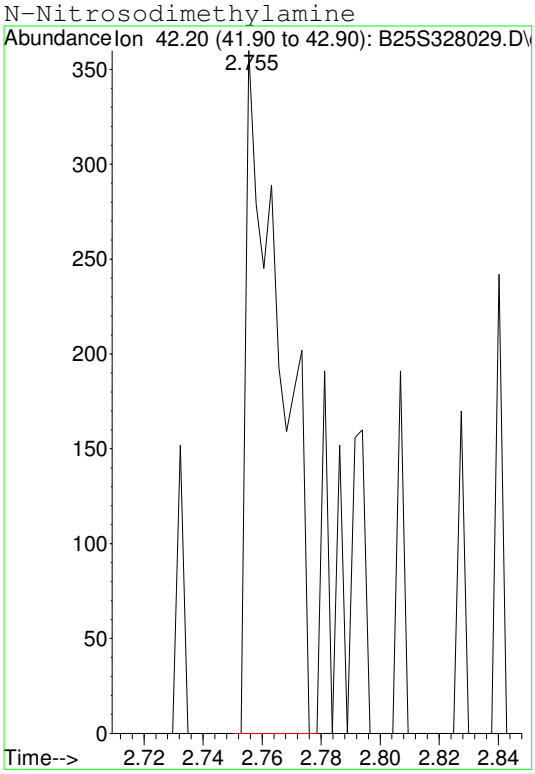
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Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328029.D
Acq On : 24 Nov 2025 8:36 pm
Operator : BGL
Sample : B417934-BLK1
Misc :

Quant Time : Tue Nov 25 10:38:42 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
N-Nitrosodimethylamine



Original Int. Results

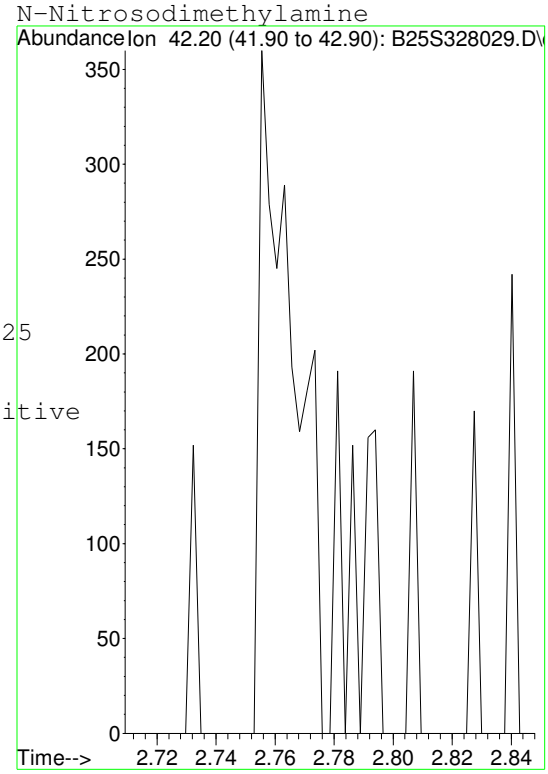
RT : 2.76
Area : 294
Amount: 0.288274

Manual Int. Results

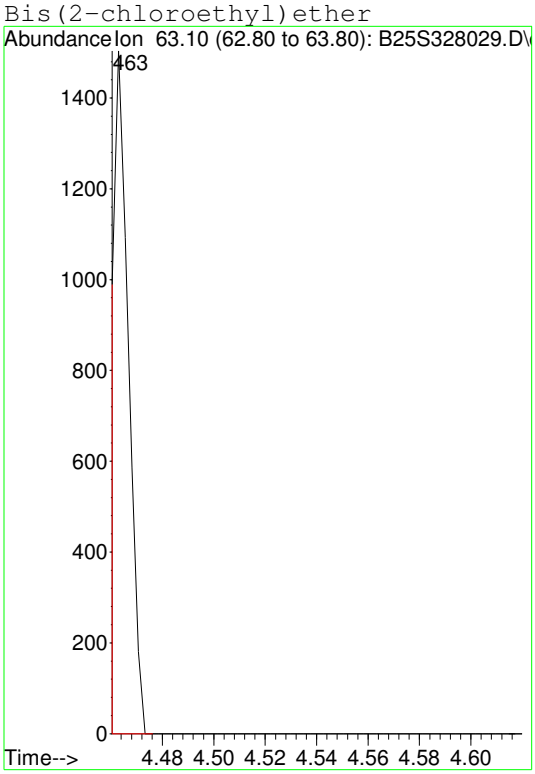
Tue Nov 25 10:38:34 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
N-Nitrosodimethylamine



Original Integration
Bis(2-chloroethyl)ether



Original Int. Results

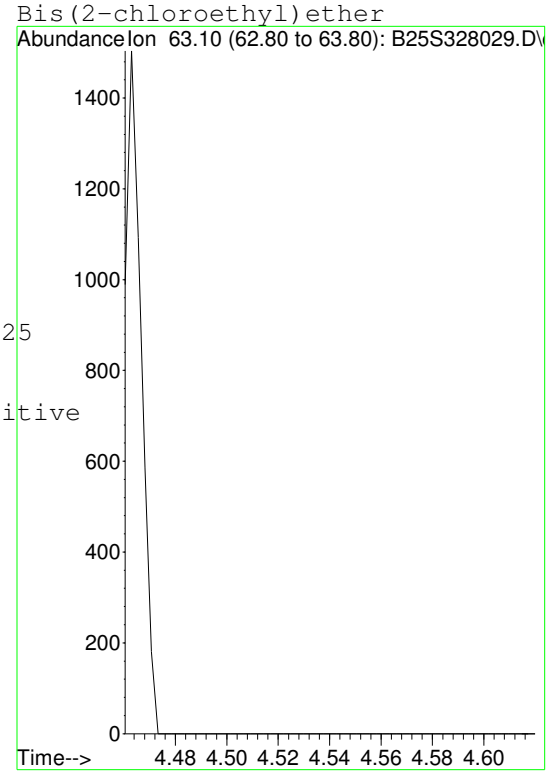
RT : 4.46
Area : 818
Amount: 0.556602

Manual Int. Results

Tue Nov 25 10:38:34 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

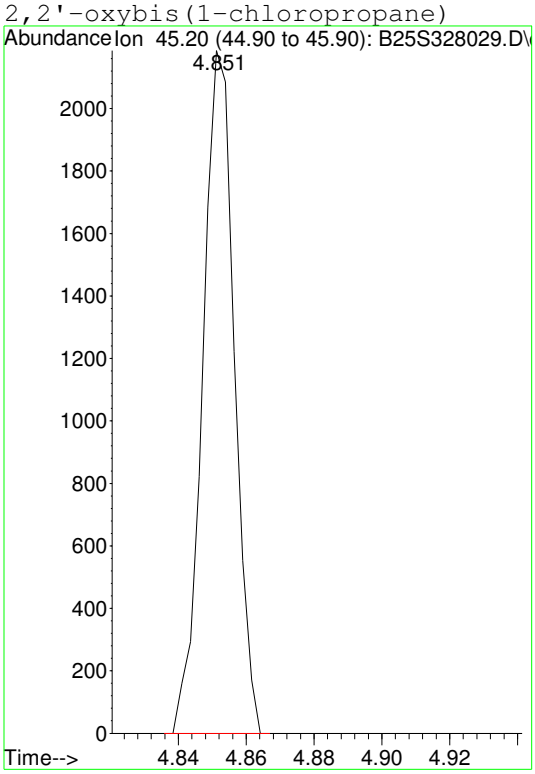
Manual Integration
Bis(2-chloroethyl)ether



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328029.D
Acq On : 24 Nov 2025 8:36 pm
Operator : BGL
Sample : B417934-BLK1
Misc :

Quant Time : Tue Nov 25 10:38:42 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
2,2'-oxybis(1-chloropropane)



Original Int. Results

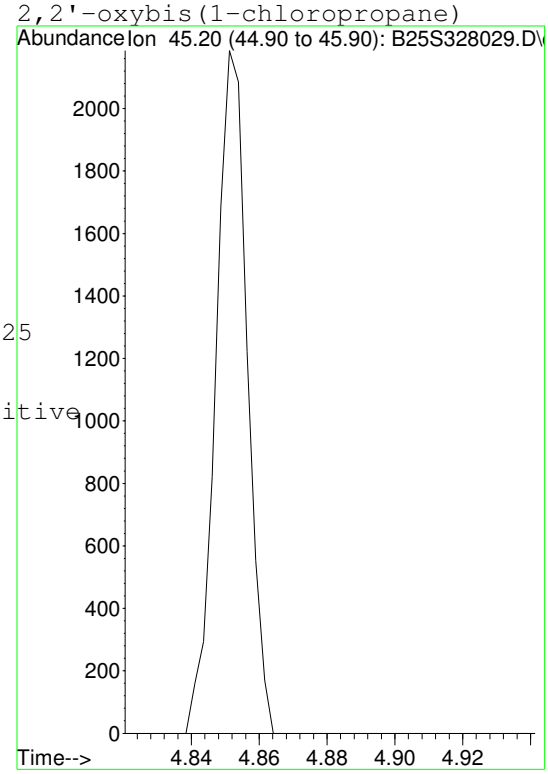
RT : 4.85
Area : 1416
Amount: 0.594326

Manual Int. Results

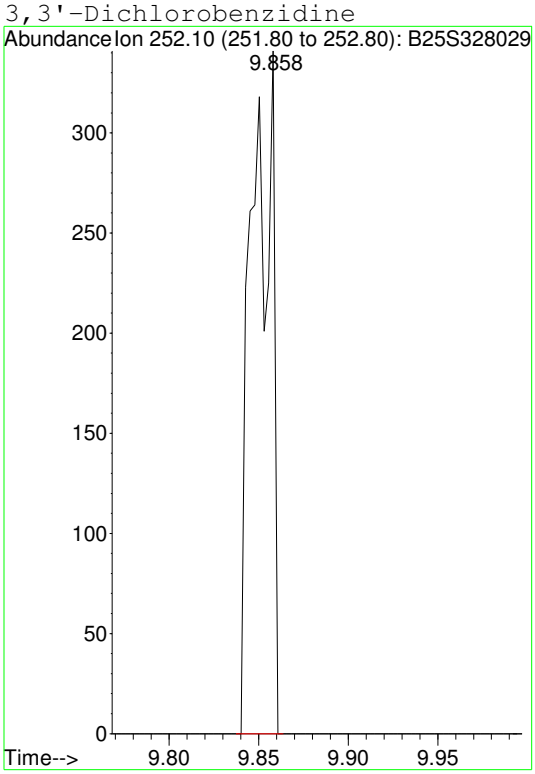
Tue Nov 25 10:38:34 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2,2'-oxybis(1-chloropropane)



Original Integration
3,3'-Dichlorobenzidine



Original Int. Results

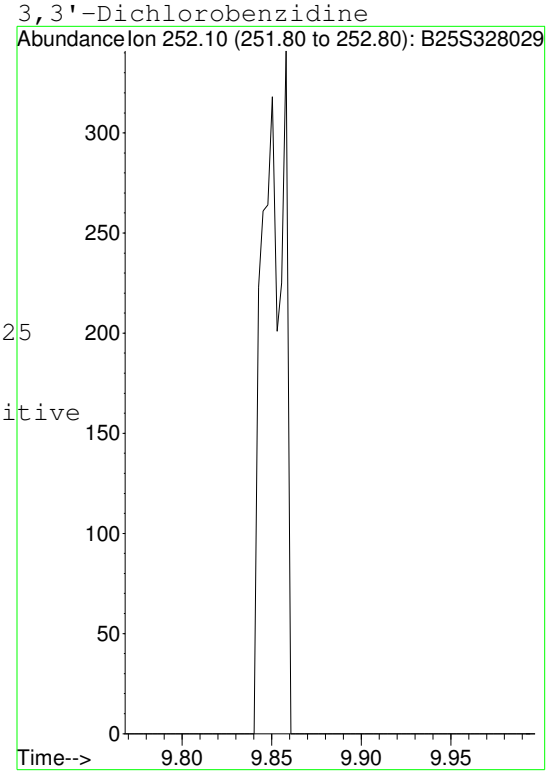
RT : 9.86
Area : 283
Amount: 0.149862

Manual Int. Results

Tue Nov 25 10:38:33 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

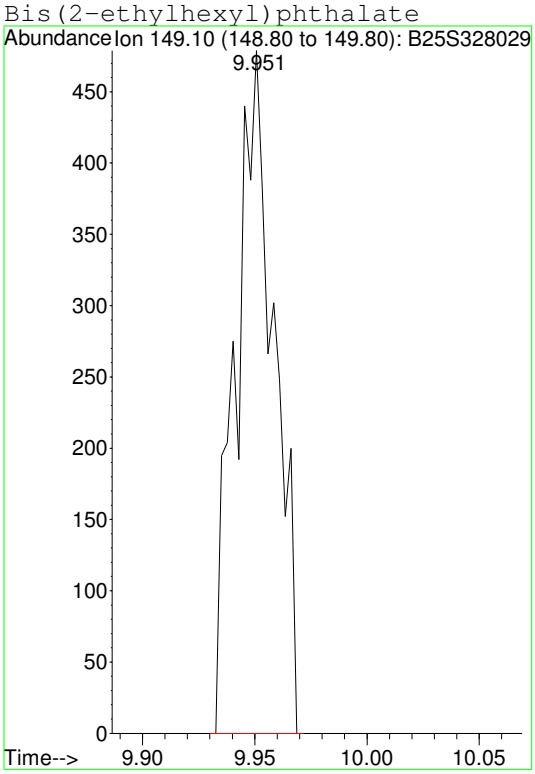
Manual Integration
3,3'-Dichlorobenzidine



Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328029.D
Acq On : 24 Nov 2025 8:36 pm
Operator : BGL
Sample : B417934-BLK1
Misc :

Quant Time : Tue Nov 25 10:38:42 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Bis(2-ethylhexyl)phthalate



Original Int. Results

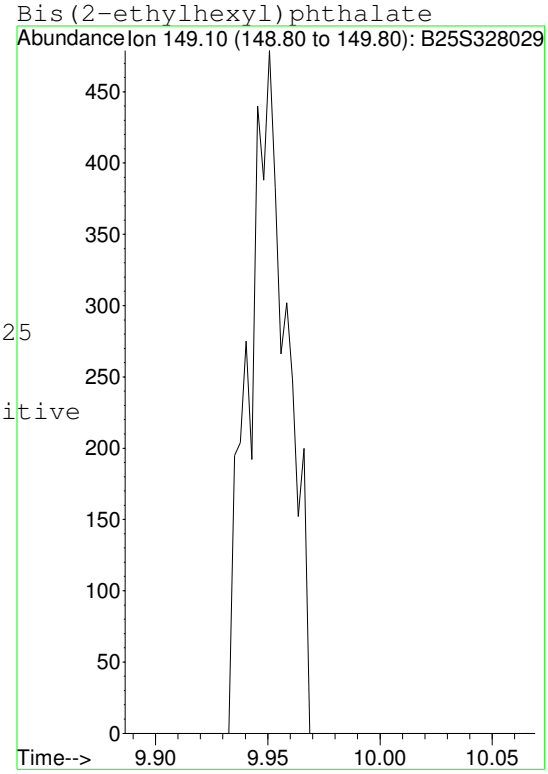
RT : 9.95
Area : 574
Amount: 0.208003

Manual Int. Results

Tue Nov 25 10:38:41 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Bis(2-ethylhexyl)phthalate



1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B417934-BS1	File ID:	B25S328025.D
Sampled:		Prepared:	11/20/25 15:25	Analyzed:	11/24/25 18:58
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.09 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833
Instrument:	GCMSSV2				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg wet)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol	1.08	0.048	0.67	
1912-24-9	Atrazine	1.23	0.046	0.67	
100-52-7	Benzaldehyde	0.639	0.047	0.34	V-05, L-04, V-34
92-52-4	Biphenyl	1.06	0.038	0.067	
105-60-2	Caprolactam	0.949	0.059	0.34	
83-32-9	Acenaphthene	0.983	0.0037	0.033	
208-96-8	Acenaphthylene	1.06	0.0042	0.033	
98-86-2	Acetophenone	0.886	0.035	0.34	
62-53-3	Aniline	0.458	0.064	0.34	V-34
120-12-7	Anthracene	0.977	0.0038	0.033	
56-55-3	Benzo(a)anthracene	1.00	0.0052	0.033	
50-32-8	Benzo(a)pyrene	1.08	0.011	0.033	
205-99-2	Benzo(b)fluoranthene	1.06	0.0082	0.033	
191-24-2	Benzo(g,h,i)perylene	0.962	0.013	0.033	
207-08-9	Benzo(k)fluoranthene	1.03	0.0068	0.033	
111-91-1	Bis(2-chloroethoxy)methane	0.857	0.034	0.34	
111-44-4	Bis(2-chloroethyl)ether	0.869	0.045	0.34	
108-60-1	2,2'-oxybis(1-Chloropropane)	0.982	0.14	0.34	
117-81-7	Bis(2-Ethylhexyl)phthalate	1.15	0.046	0.34	
101-55-3	4-Bromophenylphenylether	1.03	0.030	0.34	
85-68-7	Butylbenzylphthalate	1.05	0.038	0.34	
86-74-8	Carbazole	1.03	0.035	0.17	
106-47-8	4-Chloroaniline	0.525	0.054	0.66	J
59-50-7	4-Chloro-3-methylphenol	0.955	0.036	0.66	
91-58-7	2-Chloronaphthalene	0.899	0.030	0.34	
95-57-8	2-Chlorophenol	0.886	0.030	0.34	
7005-72-3	4-Chlorophenylphenylether	1.03	0.031	0.34	
218-01-9	Chrysene	0.990	0.0043	0.033	
53-70-3	Dibenz(a,h)anthracene	1.02	0.015	0.033	

1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B417934-BS1	File ID:	B25S328025.D
Sampled:		Prepared:	11/20/25 15:25	Analyzed:	11/24/25 18:58
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.09 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833
Instrument:	GCMSSV2				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg wet)	MDL	RL	Q
132-64-9	Dibenzofuran	1.03	0.033	0.34	
84-74-2	Di-n-butylphthalate	1.05	0.13	0.34	
91-94-1	3,3-Dichlorobenzidine	0.868	0.060	0.17	
120-83-2	2,4-Dichlorophenol	0.981	0.032	0.34	
84-66-2	Diethylphthalate	1.04	0.033	0.34	
105-67-9	2,4-Dimethylphenol	0.996	0.070	0.34	
131-11-3	Dimethylphthalate	1.02	0.030	0.34	
534-52-1	4,6-Dinitro-2-methylphenol	1.07	0.28	0.34	
51-28-5	2,4-Dinitrophenol	1.18	0.32	0.66	V-04, V-06
121-14-2	2,4-Dinitrotoluene	1.11	0.080	0.34	
606-20-2	2,6-Dinitrotoluene	1.08	0.042	0.34	
117-84-0	Di-n-octylphthalate	1.17	0.050	0.34	
206-44-0	Fluoranthene	1.05	0.0047	0.033	
86-73-7	Fluorene	1.01	0.0040	0.033	
118-74-1	Hexachlorobenzene	1.08	0.034	0.34	
87-68-3	Hexachlorobutadiene	1.00	0.035	0.34	
77-47-4	Hexachlorocyclopentadiene	1.08	0.17	0.34	
67-72-1	Hexachloroethane	0.856	0.031	0.34	
193-39-5	Indeno(1,2,3-cd)pyrene	1.04	0.014	0.033	
78-59-1	Isophorone	0.987	0.036	0.34	
90-12-0	1-Methylnaphthalene	0.938	0.0042	0.033	
91-57-6	2-Methylnaphthalene	0.857	0.0038	0.033	
95-48-7	2-Methylphenol	0.899	0.043	0.34	
108-39-4/106-44-5	3/4-Methylphenol	0.957	0.055	0.34	
91-20-3	Naphthalene	0.921	0.0048	0.033	
88-74-4	2-Nitroaniline	1.24	0.052	0.34	
99-09-2	3-Nitroaniline	0.876	0.044	0.34	
100-01-6	4-Nitroaniline	1.03	0.048	0.34	
98-95-3	Nitrobenzene	0.921	0.038	0.34	

1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B417934-BS1	File ID:	B25S328025.D
Sampled:		Prepared:	11/20/25 15:25	Analyzed:	11/24/25 18:58
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.09 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833
Instrument:	GCMSSV2				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg wet)	MDL	RL	Q
88-75-5	2-Nitrophenol	1.01	0.035	0.34	
100-02-7	4-Nitrophenol	1.19	0.13	0.66	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine	0.990	0.044	0.34	
621-64-7	N-Nitrosodi-n-propylamine	0.908	0.042	0.34	
87-86-5	Pentachlorophenol	1.00	0.043	0.34	
85-01-8	Phenanthrene	0.958	0.0034	0.033	
108-95-2	Phenol	0.901	0.032	0.34	
129-00-0	Pyrene	0.922	0.0057	0.033	
110-86-1	Pyridine	0.553	0.043	0.34	
95-94-3	1,2,4,5-Tetrachlorobenzene	1.06	0.033	0.34	
95-95-4	2,4,5-Trichlorophenol	1.11	0.034	0.34	
88-06-2	2,4,6-Trichlorophenol	1.04	0.030	0.34	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328025.D
Acq On : 24 Nov 2025 6:58 pm
Operator : BGL
Sample : B417934-BS1@/DERS Inst : GCMSSV2
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 24 19:14:12 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.692	152	59792	40.00	ug/ml	-0.01
19) NAPHTHALENE-d8	5.492	136	229686	40.00	ug/ml	-0.01
35) ACENAPHTHENE-D10	6.579	164	119903	40.00	ug/ml	-0.01
58) PHENANTHRENE-D10	7.502	188	210979	40.00	ug/ml	-0.01
71) CHRYSENE-D12	9.897	240	214536	40.00	ug/ml	-0.02
80) PERYLENE-D12	12.342	264	231835	40.00	ug/ml	-0.02
88) 1,4-Dichlorobenzene-D4...	4.692	152	59792	40.00	ug/ml	-0.01
92) NAPHTHALENE-d8 (2)	5.492	136	229686	40.00	ug/ml	-0.01
95) ACENAPHTHENE-D10 (2)	6.579	164	119903	40.00	ug/ml	-0.01
System Monitoring Compounds						
2) 2-Fluorophenol	3.841	112	190060	113.77	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 56.88%			
3) Phenol-d6	4.465	99	310411	112.70	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 56.35%			
20) Nitrobenzene-d5	5.041	82	129630	56.71	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 56.71%			
36) 2-Fluorobiphenyl	6.155	172	251817	63.62	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 63.62%			
37) 2,4,6-Tribromophenol	7.070	330	81434	152.93	ug/ml	-0.01
Spiked Amount 200.000	Range 30 - 130		Recovery = 76.47%			
72) p-Terphenyl-d14	8.678	244	277410	62.44	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 62.44%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.763	42	25904	24.33	ug/ml	87
5) Pyridine	2.794	79	42323	16.65	ug/ml	99
6) Aniline	4.481	93	50291	13.79	ug/ml#	1
7) Phenol	4.473	94	81780	27.11	ug/ml#	60
8) Bis(2-chloroethyl)ether	4.522	63	40100	26.14	ug/ml	90
9) 2-Chlorophenol	4.561	128	62732	26.65	ug/ml	97
10) 1,3-Dichlorobenzene	4.656	146	61238	24.95	ug/ml	99
11) 1,4-Dichlorobenzene	4.702	146	62875	25.02	ug/ml	99
12) 1,2-Dichlorobenzene	4.800	146	60723	25.63	ug/ml	99
13) 2- METHYLPHENOL	4.851	108	57994	27.04	ug/ml	95
14) 2,2'-oxybis(1-chloropr...	4.861	45	73528	29.56	ug/ml	97
15) Acetophenone	4.944	105	82159	26.65	ug/ml	86
16) 3/4- METHYLPHENOL	4.946	107	68747	28.81	ug/ml#	75
17) N-Nitroso-Di-N-Propyla...	4.944	70	43724	27.32	ug/ml	96
18) Hexachloroethane	5.011	117	24808	25.76	ug/ml	94
21) NITROBENZENE	5.054	77	63783	27.70	ug/ml	97
22) Isophorone	5.201	82	114671	29.69	ug/ml	99
23) 2-Nitrophenol	5.252	139	34429	30.32	ug/ml	99
24) 2,4-Dimethylphenol	5.275	122	54982	29.97	ug/ml	94
25) Bis(2-Chloroethoxy)met...	5.330	93	65351	25.80	ug/ml	98
26) Benzoic Acid	5.327	122	35486	31.29	ug/ml	90
27) 2,4-Dichlorophenol	5.404	162	51571	29.51	ug/ml	98
28) 1,2,4-Trichlorobenzene	5.453	180	52883	28.27	ug/ml	99
29) Naphthalene	5.504	128	174938	27.70	ug/ml	100
30) 4-Chloroaniline	5.535	127	43055	15.81	ug/ml	98
31) Hexachlorobutadiene	5.576	225	28383	30.17	ug/ml	98
32) 4-Chloro-3-Methylphenol	5.834	107	52360	28.73	ug/ml	98
33) 2-MethylNaphthalene	5.931	142	110675	25.80	ug/ml	99
34) 1-Methylnaphthalene	5.993	142	113879	28.21	ug/ml	98
38) Hexachlorocyclopentadiene	6.029	237	31092	32.60	ug/ml	98
39) 1,2,4,5-Tetrachloroben...	6.037	216	53256	31.89	ug/ml	98
40) 2,4,6-Trichlorophenol	6.109	196	35391	31.32	ug/ml	95

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328025.D
Acq On : 24 Nov 2025 6:58 pm
Operator : BGL
Sample : B417934-BS1@/DERS Inst : GCMSSV2
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 24 19:14:12 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

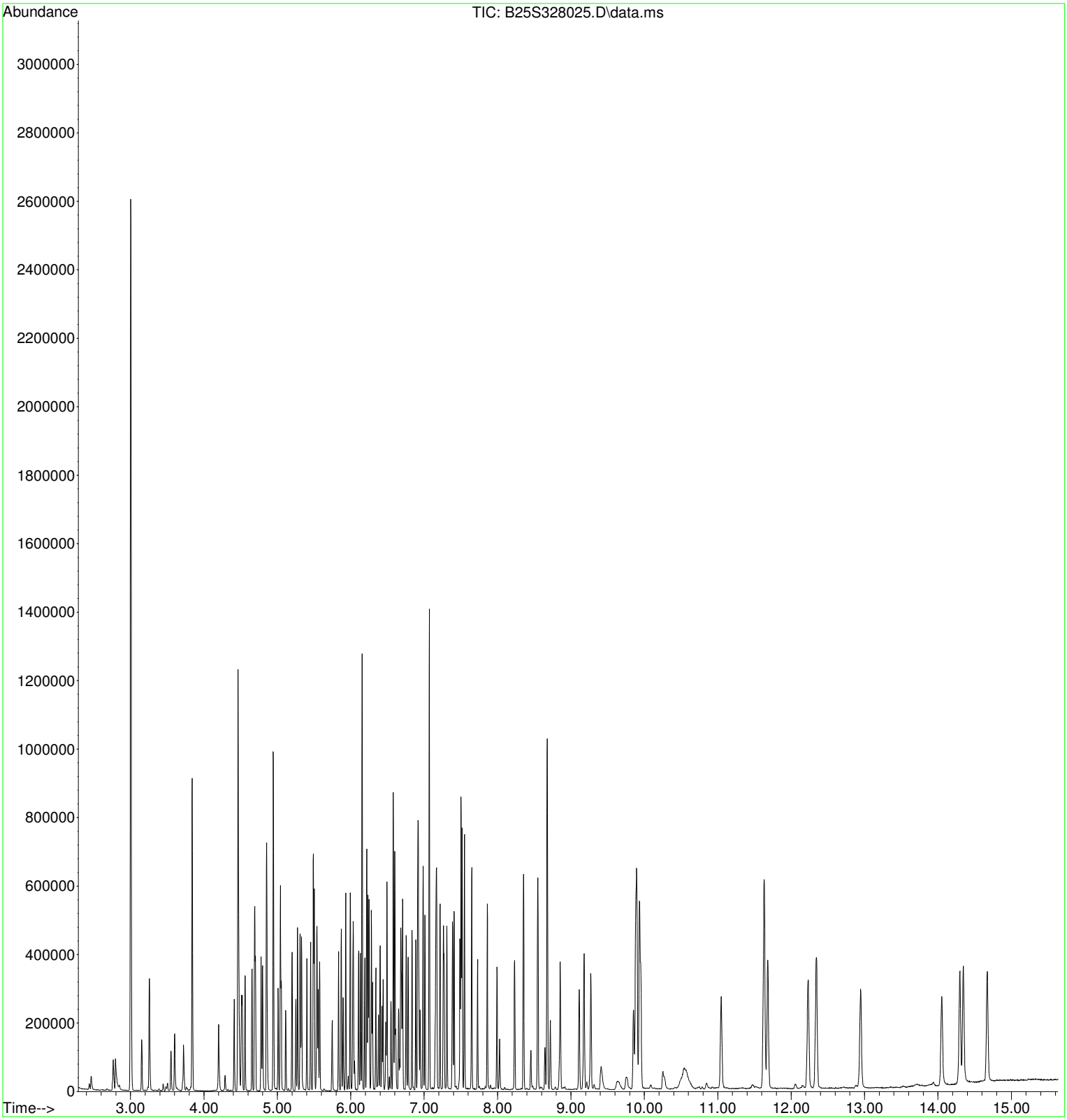
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 2,4,5-Trichlorophenol	6.132	196	39673	33.46	ug/ml	93
42) 2-ChloroNaphthalene	6.235	162	115421	27.06	ug/ml	97
43) 2-Nitroaniline	6.296	65	40690	37.24	ug/ml	85
44) 1,1-Biphenyl	6.219	154	143302	31.97	ug/ml	99
45) DIMETHYL PHTHALATE	6.402	163	115106	30.60	ug/ml	100
46) 2,6-DinitroToluene	6.440	165	28251	32.55	ug/ml	97
47) Acenaphthylene	6.494	152	182215	31.75	ug/ml	100
48) 3-Nitroaniline	6.548	138	28274	26.37	ug/ml	99
49) Acenaphthene	6.600	154	113843	29.58	ug/ml	98
50) 2,4-Dinitrophenol	6.613	184	16669	35.58	ug/ml#	99
51) 4-Nitrophenol	6.651	109	16550	35.68	ug/ml	96
52) Dibenzofuran	6.708	168	156863	30.87	ug/ml	98
53) 2,4-Dinitrotoluene	6.692	165	39006	33.29	ug/ml	93
54) DIETHYL PHTHALATE	6.834	149	111380	31.21	ug/ml	98
55) 4-Chlorophenyl phenyl ...	6.911	204	55747	31.08	ug/ml	99
56) Flourene	6.919	166	128959	30.52	ug/ml	99
57) 4-Nitroaniline	6.929	138	36541	30.87	ug/ml	91
59) 4,6-Dinitro-2-Methylph...	6.944	198	23072	32.24	ug/ml	99
60) N-Nitrosodiphenylamine	6.986	169	108505	29.78	ug/ml	98
61) 1,2-Diphenylhydrazine	7.011	77	122616	28.01	ug/ml	98
62) 4-Bromophenyl phenyl e...	7.217	248	35149	31.06	ug/ml	97
63) Hexachlorobenzene	7.263	284	40716	32.44	ug/ml	97
64) Pentachlorophenol	7.384	266	25513	30.18	ug/ml	98
65) Pentachloronitrobenzene	7.389	295	7311	33.37	ug/ml	93
66) Phenanthrene	7.518	178	189989	28.83	ug/ml	99
67) Anthracene	7.549	178	193811	29.40	ug/ml	100
68) Carbazole	7.649	167	189001	30.86	ug/ml	99
69) Di-N-Butyl Phthalate	7.860	149	189896	31.74	ug/ml	100
70) Flouranthene	8.354	202	206754	31.74	ug/ml	98
73) Benzidine	8.454	184	38296	14.45	ug/ml	96
74) Pyrene	8.549	202	218216	27.73	ug/ml	99
75) Butylbenzyl phthalate	9.179	149	90851	31.63	ug/ml	91
76) 3,3'-Dichlorobenzidine	9.853	252	58827	26.12	ug/ml	100
77) Benzo(a)anthracene	9.884	228	218171	30.14	ug/ml	97
78) Chrysene	9.933	228	213199	29.79	ug/ml	98
79) Bis(2-ethylhexyl)phtha...	9.951	149	113441	34.46	ug/ml	100
81) Di-n-octylphthalate	11.046	149	199897	35.16	ug/ml	96
82) Benzo(b)fluoranthene	11.632	252	227074	31.93	ug/ml	97
83) Benzo(k)fluoranthene	11.684	252	219819	31.14	ug/ml	98
84) Benzo(a)pyrene	12.232	252	214040	32.47	ug/ml	98
85) Indeno(1,2,3-cd)pyrene	14.299	276	183669	31.31	ug/ml	97
86) Dibenz(a,h)anthracene	14.348	278	189885	30.80	ug/ml	98
87) Benzo(g,h,i)perylene	14.672	276	188531	28.96	ug/ml	96
89) 1,4-Dioxane	2.462	88	12981	12.79	ug/ml	90
90) Benzaldehyde	4.411	106	38249	19.23	ug/ml	98
91) Benzyl Alcohol	4.779	108	42359	29.76	ug/ml	97
93) 2,6-Dichlorophenol	5.540	162	52042	27.71	ug/ml	93
94) Caprolactam	5.749	113	20111	28.57	ug/ml	98
96) 2,3,4,6-Tetrachlorophenol	6.782	230	25216	32.60	ug/ml	97
97) Atrazine	7.310	200	34786	37.07	ug/ml	98

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

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328025.D
Acq On : 24 Nov 2025 6:58 pm
Operator : BGL
Sample : B417934-BS1@/DERS Inst : GCMSSV2
Misc :
ALS Vial : 25 Sample Multiplier: 1

735

Quant Time: Nov 24 19:14:12 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration



1 - FORM I
ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B417934-BSD1	File ID:	B25S328026.D
Sampled:		Prepared:	11/20/25 15:25	Analyzed:	11/24/25 19:22
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.09 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833
Instrument:	GCMSSV2				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg wet)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol	1.08	0.048	0.67	
1912-24-9	Atrazine	1.22	0.046	0.67	
100-52-7	Benzaldehyde	0.619	0.047	0.34	L-04, V-05, V-34
92-52-4	Biphenyl	1.02	0.038	0.067	
105-60-2	Caprolactam	0.986	0.059	0.34	
83-32-9	Acenaphthene	0.978	0.0037	0.033	
208-96-8	Acenaphthylene	1.06	0.0042	0.033	
98-86-2	Acetophenone	0.871	0.035	0.34	
62-53-3	Aniline	0.597	0.064	0.34	V-34
120-12-7	Anthracene	0.964	0.0038	0.033	
56-55-3	Benzo(a)anthracene	0.996	0.0052	0.033	
50-32-8	Benzo(a)pyrene	1.05	0.011	0.033	
205-99-2	Benzo(b)fluoranthene	1.05	0.0082	0.033	
191-24-2	Benzo(g,h,i)perylene	0.946	0.013	0.033	
207-08-9	Benzo(k)fluoranthene	1.02	0.0068	0.033	
111-91-1	Bis(2-chloroethoxy)methane	0.881	0.034	0.34	
111-44-4	Bis(2-chloroethyl)ether	0.867	0.045	0.34	
108-60-1	2,2'-oxybis(1-Chloropropane)	0.980	0.14	0.34	
117-81-7	Bis(2-Ethylhexyl)phthalate	1.11	0.046	0.34	
101-55-3	4-Bromophenylphenylether	0.970	0.030	0.34	
85-68-7	Butylbenzylphthalate	1.03	0.038	0.34	
86-74-8	Carbazole	1.03	0.035	0.17	
106-47-8	4-Chloroaniline	0.693	0.054	0.66	
59-50-7	4-Chloro-3-methylphenol	1.00	0.036	0.66	
91-58-7	2-Chloronaphthalene	0.875	0.030	0.34	
95-57-8	2-Chlorophenol	0.879	0.030	0.34	
7005-72-3	4-Chlorophenylphenylether	1.01	0.031	0.34	
218-01-9	Chrysene	0.969	0.0043	0.033	
53-70-3	Dibenz(a,h)anthracene	1.00	0.015	0.033	

1 - FORM I
ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B417934-BSD1	File ID:	B25S328026.D
Sampled:		Prepared:	11/20/25 15:25	Analyzed:	11/24/25 19:22
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.09 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833	Instrument:	GCMSSV2
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg wet)	MDL	RL	Q
132-64-9	Dibenzofuran	1.02	0.033	0.34	
84-74-2	Di-n-butylphthalate	1.03	0.13	0.34	
91-94-1	3,3-Dichlorobenzidine	1.03	0.060	0.17	
120-83-2	2,4-Dichlorophenol	0.980	0.032	0.34	
84-66-2	Diethylphthalate	1.00	0.033	0.34	
105-67-9	2,4-Dimethylphenol	0.971	0.070	0.34	
131-11-3	Dimethylphthalate	1.01	0.030	0.34	
534-52-1	4,6-Dinitro-2-methylphenol	1.10	0.28	0.34	
51-28-5	2,4-Dinitrophenol	1.17	0.32	0.66	V-04, V-06
121-14-2	2,4-Dinitrotoluene	1.11	0.080	0.34	
606-20-2	2,6-Dinitrotoluene	1.09	0.042	0.34	
117-84-0	Di-n-octylphthalate	1.13	0.050	0.34	
206-44-0	Fluoranthene	1.05	0.0047	0.033	
86-73-7	Fluorene	1.03	0.0040	0.033	
118-74-1	Hexachlorobenzene	1.05	0.034	0.34	
87-68-3	Hexachlorobutadiene	0.966	0.035	0.34	
77-47-4	Hexachlorocyclopentadiene	1.02	0.17	0.34	
67-72-1	Hexachloroethane	0.827	0.031	0.34	
193-39-5	Indeno(1,2,3-cd)pyrene	1.01	0.014	0.033	
78-59-1	Isophorone	0.991	0.036	0.34	
90-12-0	1-Methylnaphthalene	0.935	0.0042	0.033	
91-57-6	2-Methylnaphthalene	0.863	0.0038	0.033	
95-48-7	2-Methylphenol	0.912	0.043	0.34	
108-39-4/106-44-5	3/4-Methylphenol	0.955	0.055	0.34	
91-20-3	Naphthalene	0.921	0.0048	0.033	
88-74-4	2-Nitroaniline	1.24	0.052	0.34	
99-09-2	3-Nitroaniline	0.950	0.044	0.34	
100-01-6	4-Nitroaniline	1.04	0.048	0.34	
98-95-3	Nitrobenzene	0.938	0.038	0.34	

1 - FORM I
ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B417934-BSD1	File ID:	B25S328026.D
Sampled:		Prepared:	11/20/25 15:25	Analyzed:	11/24/25 19:22
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.09 g / 1 mL				
Batch:	B417934	Sequence:	S128977	Calibration:	2500833
Instrument:	GCMSSV2				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg wet)	MDL	RL	Q
88-75-5	2-Nitrophenol	0.996	0.035	0.34	
100-02-7	4-Nitrophenol	1.20	0.13	0.66	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine	0.963	0.044	0.34	
621-64-7	N-Nitrosodi-n-propylamine	0.872	0.042	0.34	
87-86-5	Pentachlorophenol	0.937	0.043	0.34	
85-01-8	Phenanthrene	0.946	0.0034	0.033	
108-95-2	Phenol	0.927	0.032	0.34	
129-00-0	Pyrene	0.901	0.0057	0.033	
110-86-1	Pyridine	0.587	0.043	0.34	
95-94-3	1,2,4,5-Tetrachlorobenzene	1.02	0.033	0.34	
95-95-4	2,4,5-Trichlorophenol	1.09	0.034	0.34	
88-06-2	2,4,6-Trichlorophenol	1.02	0.030	0.34	

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328026.D
Acq On : 24 Nov 2025 7:22 pm
Operator : BGL
Sample : B417934-BSD1 Inst : GCMSSV2
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 24 19:38:39 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.692	152	58629	40.00	ug/ml	-0.01
19) NAPHTHALENE-d8	5.491	136	220561	40.00	ug/ml	-0.01
35) ACENAPHTHENE-D10	6.579	164	121501	40.00	ug/ml	-0.01
58) PHENANTHRENE-D10	7.502	188	217709	40.00	ug/ml	-0.01
71) CHRYSENE-D12	9.899	240	224332	40.00	ug/ml	-0.02
80) PERYLENE-D12	12.342	264	243266	40.00	ug/ml	-0.02
88) 1,4-Dichlorobenzene-D4...	4.692	152	58629	40.00	ug/ml	-0.01
92) NAPHTHALENE-d8 (2)	5.491	136	220561	40.00	ug/ml	-0.01
95) ACENAPHTHENE-D10 (2)	6.579	164	121501	40.00	ug/ml	-0.01
System Monitoring Compounds						
2) 2-Fluorophenol	3.841	112	183819	112.22	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 56.11%			
3) Phenol-d6	4.465	99	298740	110.61	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 55.31%			
20) Nitrobenzene-d5	5.041	82	121657	55.42	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 55.42%			
36) 2-Fluorobiphenyl	6.155	172	240821	60.04	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 60.04%			
37) 2,4,6-Tribromophenol	7.070	330	79621	147.55	ug/ml	-0.01
Spiked Amount 200.000	Range 30 - 130		Recovery = 73.78%			
72) p-Terphenyl-d14	8.678	244	283830	61.10	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 61.10%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.766	42	25731	24.65	ug/ml	88
5) Pyridine	2.794	79	44012	17.65	ug/ml	95
6) Aniline	4.481	93	64205	17.95	ug/ml#	1
7) Phenol	4.473	94	82517	27.90	ug/ml#	53
8) Bis(2-chloroethyl)ether	4.522	63	39248	26.09	ug/ml	91
9) 2-Chlorophenol	4.561	128	61014	26.44	ug/ml	98
10) 1,3-Dichlorobenzene	4.656	146	60017	24.94	ug/ml	98
11) 1,4-Dichlorobenzene	4.702	146	61055	24.77	ug/ml	99
12) 1,2-Dichlorobenzene	4.800	146	58467	25.17	ug/ml	98
13) 2- METHYLPHENOL	4.851	108	57694	27.43	ug/ml	98
14) 2,2'-oxybis(1-chloropr...	4.861	45	71930	29.49	ug/ml	99
15) Acetophenone	4.944	105	79187	26.20	ug/ml	87
16) 3/4- METHYLPHENOL	4.946	107	67219	28.73	ug/ml#	76
17) N-Nitroso-Di-N-Propyla...	4.944	70	41198	26.25	ug/ml	97
18) Hexachloroethane	5.011	117	23495	24.89	ug/ml	94
21) NITROBENZENE	5.054	77	62386	28.21	ug/ml	97
22) Isophorone	5.201	82	110603	29.82	ug/ml	100
23) 2-Nitrophenol	5.252	139	32667	29.96	ug/ml	99
24) 2,4-Dimethylphenol	5.275	122	51475	29.22	ug/ml	95
25) Bis(2-Chloroethoxy)met...	5.332	93	64492	26.51	ug/ml	100
26) Benzoic Acid	5.327	122	35812	32.89	ug/ml	93
27) 2,4-Dichlorophenol	5.404	162	49475	29.48	ug/ml	99
28) 1,2,4-Trichlorobenzene	5.453	180	50412	28.07	ug/ml	98
29) Naphthalene	5.504	128	168075	27.71	ug/ml	100
30) 4-Chloroaniline	5.535	127	54526	20.84	ug/ml	98
31) Hexachlorobutadiene	5.576	225	26249	29.06	ug/ml	99
32) 4-Chloro-3-Methylphenol	5.833	107	52680	30.10	ug/ml	98
33) 2-MethylNaphthalene	5.931	142	106959	25.97	ug/ml	100
34) 1-Methylnaphthalene	5.993	142	109084	28.14	ug/ml	99
38) Hexachlorocyclopentadiene	6.029	237	29538	30.57	ug/ml	99
39) 1,2,4,5-Tetrachloroben...	6.037	216	51810	30.62	ug/ml	99
40) 2,4,6-Trichlorophenol	6.109	196	35190	30.74	ug/ml	97

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328026.D
Acq On : 24 Nov 2025 7:22 pm
Operator : BGL
Sample : B417934-BSD1 Inst : GCMSSV2
Misc :
ALS Vial : 26 Sample Multiplier: 1

740

Quant Time: Nov 24 19:38:39 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

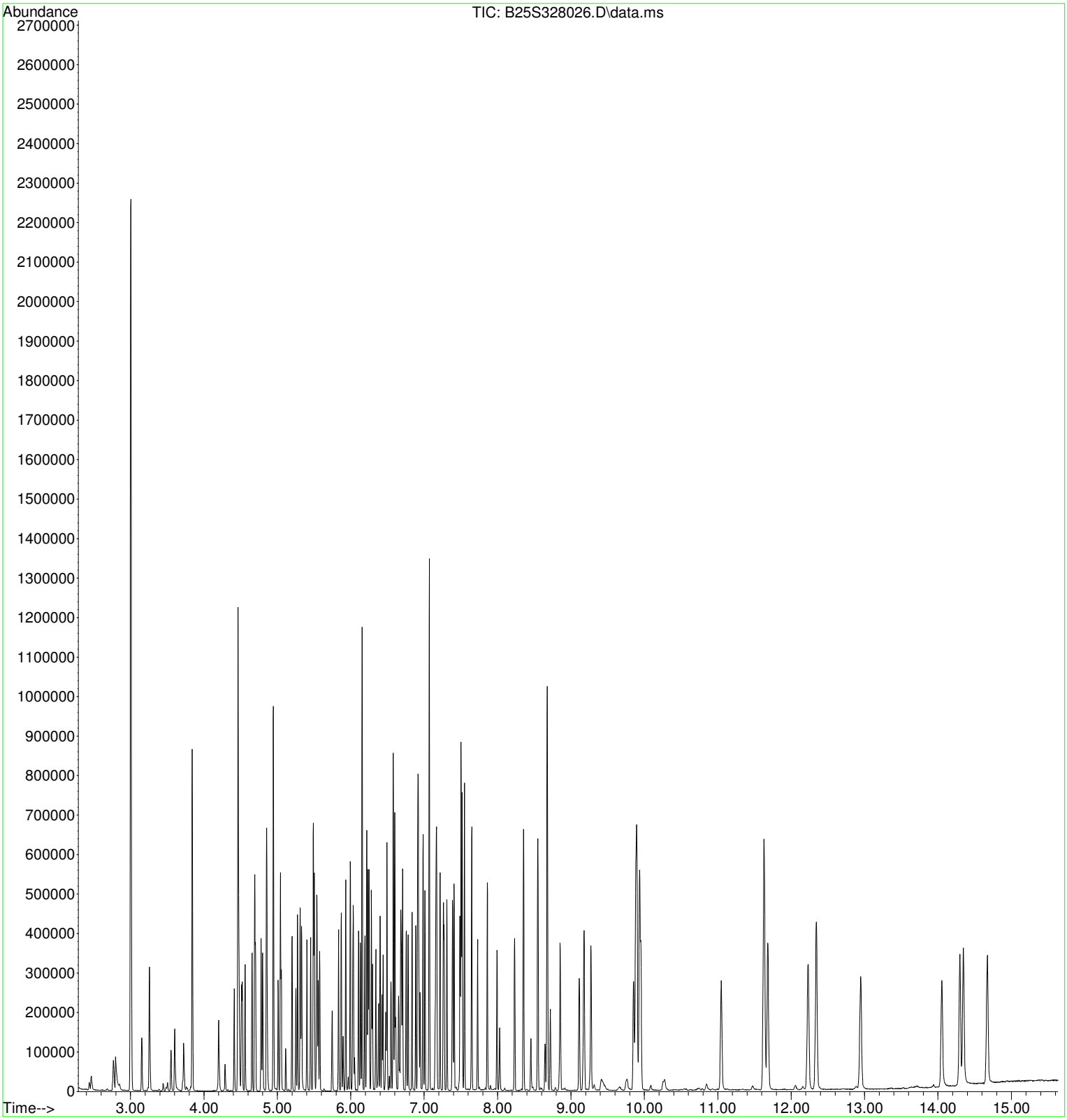
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 2,4,5-Trichlorophenol	6.132	196	39258	32.68 ug/ml	92
42) 2-ChloroNaphthalene	6.235	162	113781	26.32 ug/ml	98
43) 2-Nitroaniline	6.296	65	41317	37.31 ug/ml#	84
44) 1,1-Biphenyl	6.219	154	139429	30.70 ug/ml	99
45) DIMETHYL PHTHALATE	6.402	163	115488	30.30 ug/ml	100
46) 2,6-DinitroToluene	6.440	165	28778	32.72 ug/ml	99
47) Acenaphthylene	6.494	152	185040	31.82 ug/ml	100
48) 3-Nitroaniline	6.548	138	31062	28.59 ug/ml	99
49) Acenaphthene	6.600	154	114794	29.44 ug/ml	99
50) 2,4-Dinitrophenol	6.613	184	16776	35.33 ug/ml	90
51) 4-Nitrophenol	6.651	109	16913	35.98 ug/ml	97
52) Dibenzofuran	6.708	168	157803	30.65 ug/ml	98
53) 2,4-Dinitrotoluene	6.692	165	39598	33.35 ug/ml	99
54) DIETHYL PHTHALATE	6.836	149	109084	30.16 ug/ml	98
55) 4-Chlorophenyl phenyl ...	6.914	204	55358	30.46 ug/ml	99
56) Flourene	6.919	166	132573	30.96 ug/ml	99
57) 4-Nitroaniline	6.929	138	37713	31.44 ug/ml	92
59) 4,6-Dinitro-2-Methylph...	6.944	198	24556	32.98 ug/ml	96
60) N-Nitrosodiphenylamine	6.986	169	108929	28.98 ug/ml	99
61) 1,2-Diphenylhydrazine	7.011	77	124380	27.53 ug/ml	97
62) 4-Bromophenyl phenyl e...	7.217	248	34071	29.18 ug/ml	97
63) Hexachlorobenzene	7.263	284	40765	31.47 ug/ml	97
64) Pentachlorophenol	7.384	266	24593	28.19 ug/ml	99
65) Pentachloronitrobenzene	7.389	295	7222	31.94 ug/ml	96
66) Phenanthrene	7.518	178	193646	28.47 ug/ml	100
67) Anthracene	7.549	178	197254	29.00 ug/ml	100
68) Carbazole	7.649	167	195128	30.88 ug/ml	99
69) Di-N-Butyl Phthalate	7.860	149	191700	31.05 ug/ml	99
70) Flouranthene	8.354	202	212561	31.62 ug/ml	98
73) Benzidine	8.454	184	42530	15.35 ug/ml	96
74) Pyrene	8.549	202	222985	27.10 ug/ml	99
75) Butylbenzyl phthalate	9.179	149	93549	31.14 ug/ml	92
76) 3,3'-Dichlorobenzidine	9.853	252	72659	30.85 ug/ml	99
77) Benzo(a)anthracene	9.884	228	226870	29.98 ug/ml	97
78) Chrysene	9.935	228	218156	29.15 ug/ml	98
79) Bis(2-ethylhexyl)phtha...	9.951	149	114702	33.33 ug/ml	99
81) Di-n-octylphthalate	11.049	149	202780	33.99 ug/ml	95
82) Benzo(b)fluoranthene	11.630	252	235187	31.52 ug/ml	96
83) Benzo(k)fluoranthene	11.684	252	227746	30.75 ug/ml	99
84) Benzo(a)pyrene	12.232	252	217721	31.48 ug/ml	97
85) Indeno(1,2,3-cd)pyrene	14.299	276	187161	30.41 ug/ml	97
86) Dibenz(a,h)anthracene	14.345	278	195648	30.24 ug/ml	99
87) Benzo(g,h,i)perylene	14.675	276	194587	28.48 ug/ml	95
89) 1,4-Dioxane	2.465	88	12953	13.01 ug/ml	90
90) Benzaldehyde	4.411	106	36314	18.62 ug/ml	97
91) Benzyl Alcohol	4.779	108	40911	29.31 ug/ml	95
93) 2,6-Dichlorophenol	5.404	162	49475	27.43 ug/ml	99
94) Caprolactam	5.746	113	20048	29.66 ug/ml	94
96) 2,3,4,6-Tetrachlorophenol	6.782	230	25445	32.46 ug/ml	97
97) Atrazine	7.310	200	34855	36.66 ug/ml	99

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

Data Path : C:\msdchem\1\data\B112425\
Data File : B25S328026.D
Acq On : 24 Nov 2025 7:22 pm
Operator : BGL
Sample : B417934-BSD1 Inst : GCMSSV2
Misc :
ALS Vial : 26 Sample Multiplier: 1

741

Quant Time: Nov 24 19:38:39 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration



1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B418195-BLK1	File ID:	B25S330012.D
Sampled:		Prepared:	11/25/25 08:43	Analyzed:	11/26/25 17:25
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.02 g / 1 mL				
Batch:	B418195	Sequence:	S129079	Calibration:	2500833
Instrument:	GCMSSV2				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg wet)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol		0.048	0.67	
1912-24-9	Atrazine		0.046	0.67	V-06
100-52-7	Benzaldehyde		0.047	0.34	V-05, V-34
92-52-4	Biphenyl		0.038	0.067	
105-60-2	Caprolactam		0.059	0.34	
83-32-9	Acenaphthene		0.0037	0.033	
208-96-8	Acenaphthylene		0.0042	0.033	
98-86-2	Acetophenone		0.036	0.34	
62-53-3	Aniline		0.064	0.34	V-05, V-34
120-12-7	Anthracene		0.0038	0.033	
56-55-3	Benzo(a)anthracene		0.0052	0.033	
50-32-8	Benzo(a)pyrene		0.011	0.033	
205-99-2	Benzo(b)fluoranthene		0.0082	0.033	
191-24-2	Benzo(g,h,i)perylene		0.013	0.033	
207-08-9	Benzo(k)fluoranthene		0.0068	0.033	
111-91-1	Bis(2-chloroethoxy)methane		0.034	0.34	
111-44-4	Bis(2-chloroethyl)ether		0.045	0.34	
108-60-1	2,2'-oxybis(1-Chloropropane)		0.14	0.34	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.046	0.34	V-06
101-55-3	4-Bromophenylphenylether		0.030	0.34	
85-68-7	Butylbenzylphthalate		0.038	0.34	
86-74-8	Carbazole		0.035	0.17	
106-47-8	4-Chloroaniline		0.055	0.66	
59-50-7	4-Chloro-3-methylphenol		0.036	0.66	
91-58-7	2-Chloronaphthalene		0.030	0.34	
95-57-8	2-Chlorophenol		0.030	0.34	
7005-72-3	4-Chlorophenylphenylether		0.031	0.34	
218-01-9	Chrysene		0.0043	0.033	
53-70-3	Dibenz(a,h)anthracene		0.015	0.033	

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B418195-BLK1	File ID:	B25S330012.D
Sampled:		Prepared:	11/25/25 08:43	Analyzed:	11/26/25 17:25
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.02 g / 1 mL				
Batch:	B418195	Sequence:	S129079	Calibration:	2500833
Instrument:	GCMSSV2				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg wet)	MDL	RL	Q
132-64-9	Dibenzofuran		0.033	0.34	
84-74-2	Di-n-butylphthalate		0.13	0.34	
91-94-1	3,3-Dichlorobenzidine		0.061	0.17	
120-83-2	2,4-Dichlorophenol		0.032	0.34	
84-66-2	Diethylphthalate		0.033	0.34	
105-67-9	2,4-Dimethylphenol		0.070	0.34	
131-11-3	Dimethylphthalate		0.030	0.34	
534-52-1	4,6-Dinitro-2-methylphenol		0.28	0.34	
51-28-5	2,4-Dinitrophenol		0.32	0.66	V-04, V-06
121-14-2	2,4-Dinitrotoluene		0.080	0.34	
606-20-2	2,6-Dinitrotoluene		0.043	0.34	
117-84-0	Di-n-octylphthalate		0.050	0.34	V-06
206-44-0	Fluoranthene		0.0047	0.033	
86-73-7	Fluorene		0.0040	0.033	
118-74-1	Hexachlorobenzene		0.034	0.34	
87-68-3	Hexachlorobutadiene		0.035	0.34	
77-47-4	Hexachlorocyclopentadiene		0.17	0.34	
67-72-1	Hexachloroethane		0.031	0.34	
193-39-5	Indeno(1,2,3-cd)pyrene		0.014	0.033	
78-59-1	Isophorone		0.036	0.34	
90-12-0	1-Methylnaphthalene		0.0042	0.033	
91-57-6	2-Methylnaphthalene		0.0038	0.033	
95-48-7	2-Methylphenol		0.043	0.34	
108-39-4/106-44-5	3/4-Methylphenol		0.055	0.34	
91-20-3	Naphthalene		0.0048	0.033	
88-74-4	2-Nitroaniline		0.052	0.34	
99-09-2	3-Nitroaniline		0.044	0.34	
100-01-6	4-Nitroaniline		0.048	0.34	
98-95-3	Nitrobenzene		0.038	0.34	

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B418195-BLK1	File ID:	B25S330012.D
Sampled:		Prepared:	11/25/25 08:43	Analyzed:	11/26/25 17:25
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.02 g / 1 mL				
Batch:	B418195	Sequence:	S129079	Calibration:	2500833
Instrument:	GCMSSV2				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg wet)	MDL	RL	Q
88-75-5	2-Nitrophenol		0.035	0.34	
100-02-7	4-Nitrophenol		0.13	0.66	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.044	0.34	
621-64-7	N-Nitrosodi-n-propylamine		0.042	0.34	
87-86-5	Pentachlorophenol		0.043	0.34	
85-01-8	Phenanthrene		0.0034	0.033	
108-95-2	Phenol		0.032	0.34	
129-00-0	Pyrene		0.0057	0.033	
110-86-1	Pyridine		0.043	0.34	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.033	0.34	
95-95-4	2,4,5-Trichlorophenol		0.034	0.34	
88-06-2	2,4,6-Trichlorophenol		0.030	0.34	

Quantitation Report (QT Reviewed)

745

Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330012.D
Acq On : 26 Nov 2025 5:25 pm
Operator : BGL
Sample : B418195-BLK1 Inst : GCMSSV2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 26 17:41:04 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.689	152	54064	40.00	ug/ml	-0.01
19) NAPHTHALENE-d8	5.489	136	206087	40.00	ug/ml	-0.01
35) ACENAPHTHENE-D10	6.579	164	104616	40.00	ug/ml	-0.01
58) PHENANTHRENE-D10	7.502	188	166587	40.00	ug/ml	-0.01
71) CHRYSENE-D12	9.894	240	157107	40.00	ug/ml	-0.02
80) PERYLENE-D12	12.345	264	174494	40.00	ug/ml	-0.02
88) 1,4-Dichlorobenzene-D4...	4.689	152	54064	40.00	ug/ml	-0.01
92) NAPHTHALENE-d8 (2)	5.489	136	206087	40.00	ug/ml	0.00
95) ACENAPHTHENE-D10 (2)	6.579	164	104616	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	3.838	112	229705	152.07	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 76.03%			
3) Phenol-d6	4.463	99	381397	153.14	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 76.57%			
20) Nitrobenzene-d5	5.039	82	160315	78.17	ug/ml	-0.02
Spiked Amount 100.000	Range 30 - 130		Recovery = 78.17%			
36) 2-Fluorobiphenyl	6.152	172	273831	79.29	ug/ml	-0.02
Spiked Amount 100.000	Range 30 - 130		Recovery = 79.29%			
37) 2,4,6-Tribromophenol	7.068	330	80614	173.51	ug/ml	-0.01
Spiked Amount 200.000	Range 30 - 130		Recovery = 86.75%			
72) p-Terphenyl-d14	8.678	244	276677	85.04	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 85.04%			

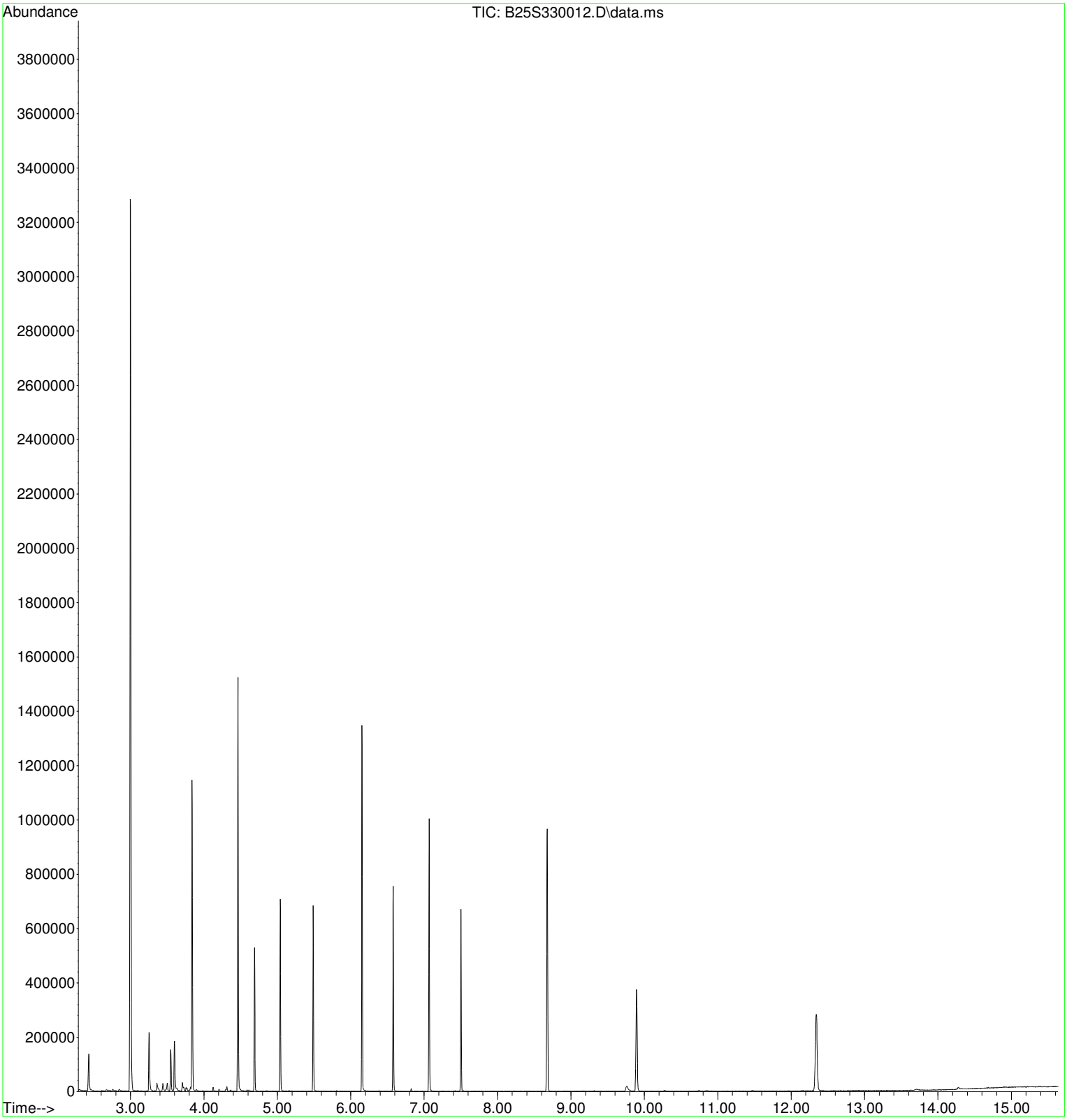
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330012.D
Acq On : 26 Nov 2025 5:25 pm
Operator : BGL
Sample : B418195-BLK1 Inst : GCMSSV2
Misc :
ALS Vial : 12 Sample Multiplier: 1

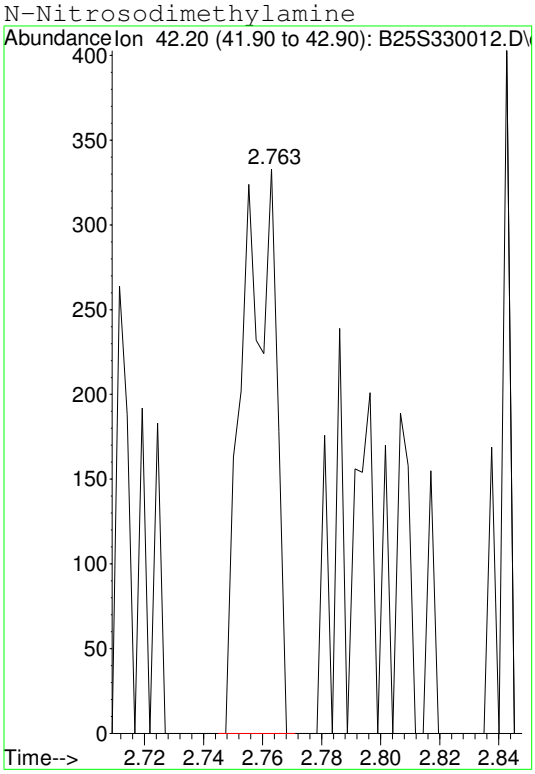
Quant Time: Nov 26 17:41:04 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330012.D
Acq On : 26 Nov 2025 5:25 pm
Operator : BGL
Sample : B418195-BLK1
Misc :

Quant Time : Sun Nov 30 10:20:31 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
N-Nitrosodimethylamine



Original Int. Results

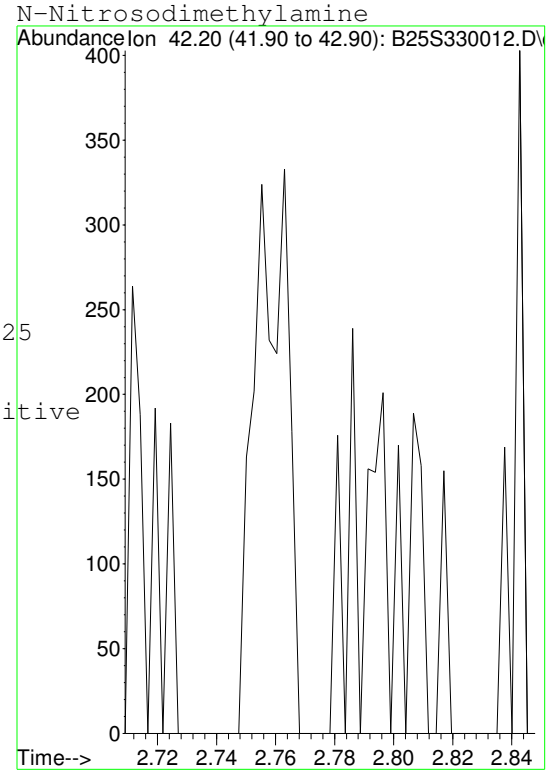
RT : 2.76
Area : 256
Amount: 0.265913

Manual Int. Results

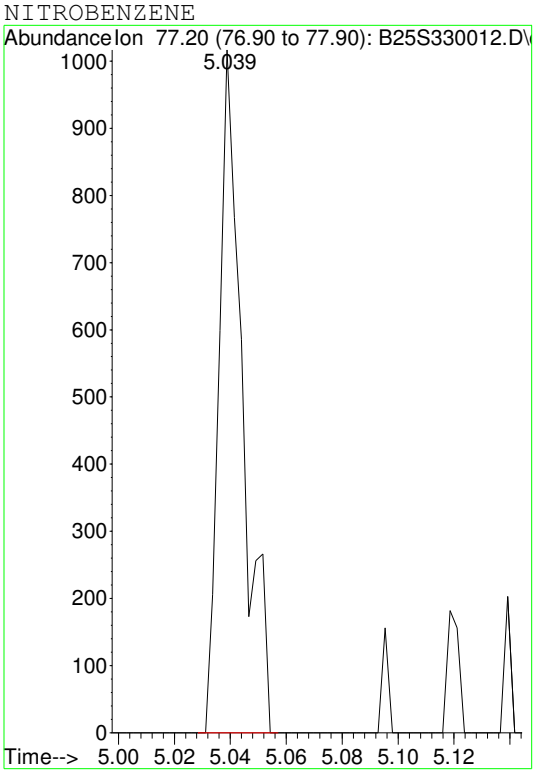
Sun Nov 30 10:19:13 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
N-Nitrosodimethylamine



Original Integration
NITROBENZENE



Original Int. Results

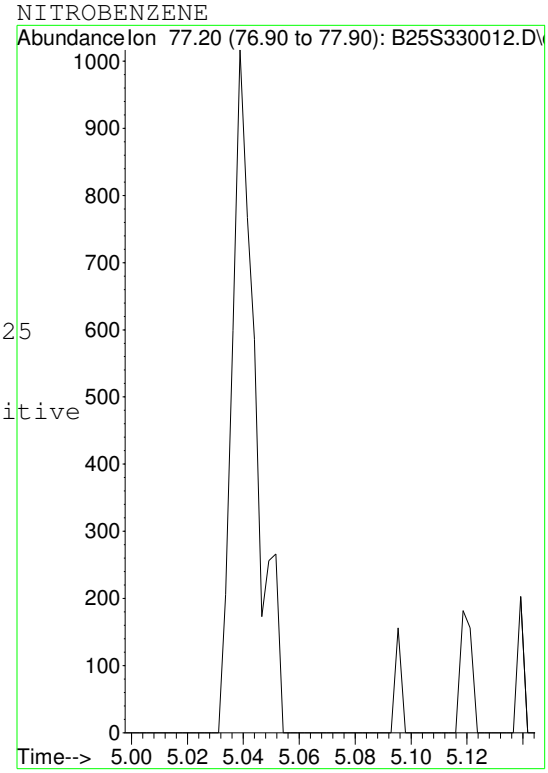
RT : 5.04
Area : 597
Amount: 0.288928

Manual Int. Results

Sun Nov 30 10:19:16 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

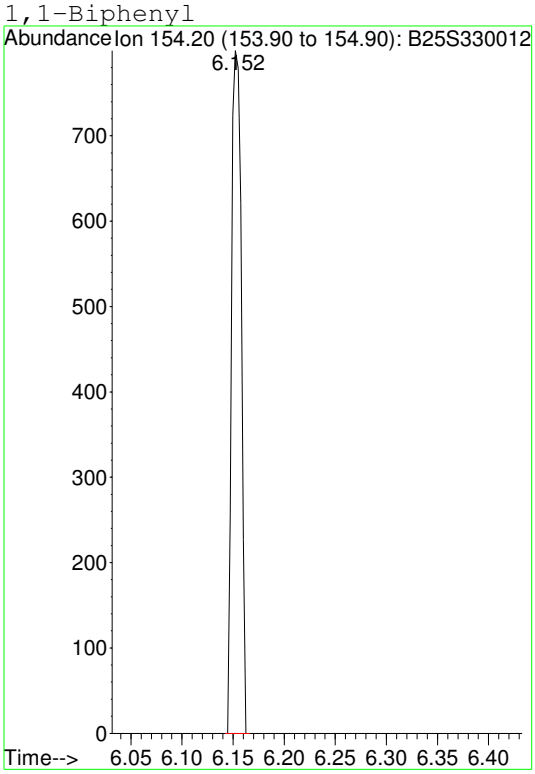
Manual Integration
NITROBENZENE



Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330012.D
Acq On : 26 Nov 2025 5:25 pm
Operator : BGL
Sample : B418195-BLK1
Misc :

Quant Time : Sun Nov 30 10:20:31 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
1,1-Biphenyl



Original Int. Results

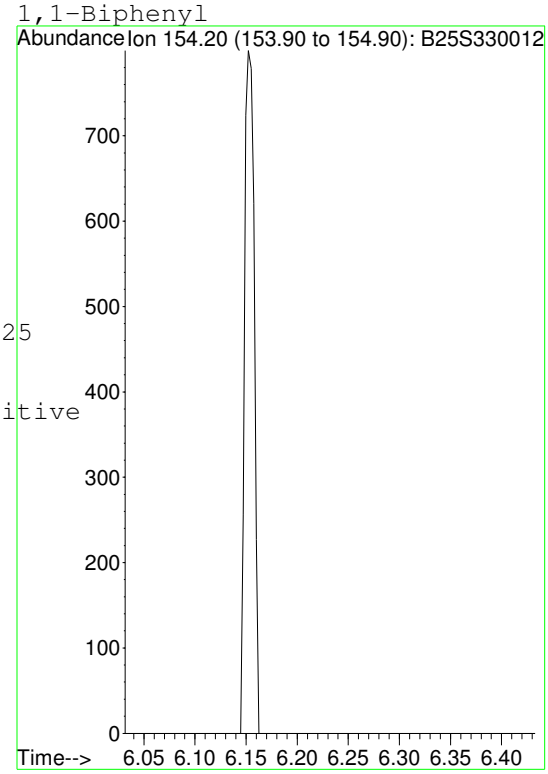
RT : 6.15
Area : 526
Amount: 0.134512

Manual Int. Results

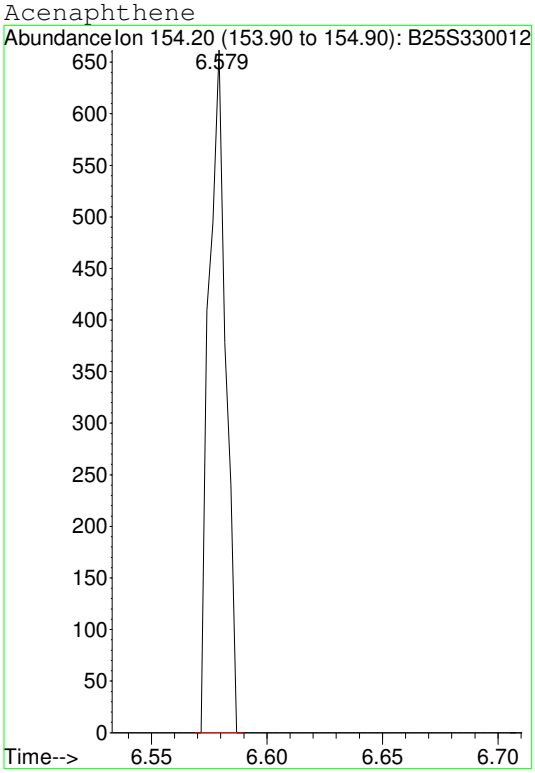
Sun Nov 30 10:19:28 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1-Biphenyl



Original Integration
Acenaphthene



Original Int. Results

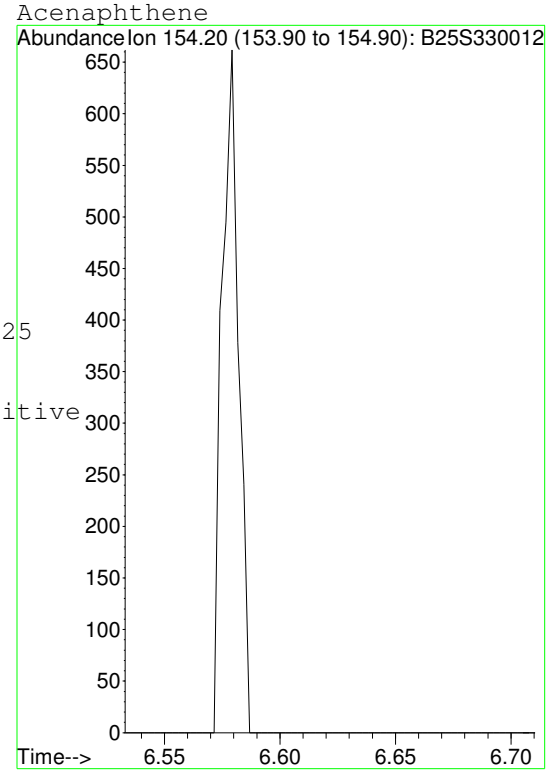
RT : 6.58
Area : 337
Amount: 0.100368

Manual Int. Results

Sun Nov 30 10:19:28 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

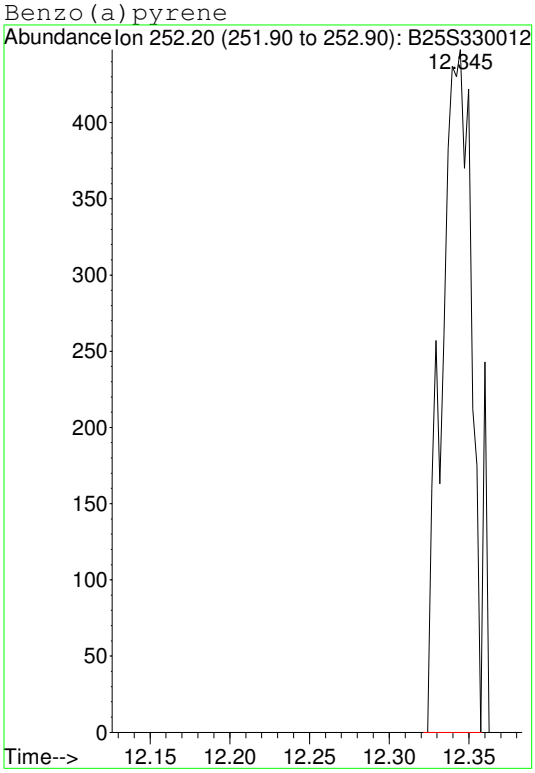
Manual Integration
Acenaphthene



Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330012.D
Acq On : 26 Nov 2025 5:25 pm
Operator : BGL
Sample : B418195-BLK1
Misc :

Quant Time : Sun Nov 30 10:20:31 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Benzo(a)pyrene



Original Int. Results

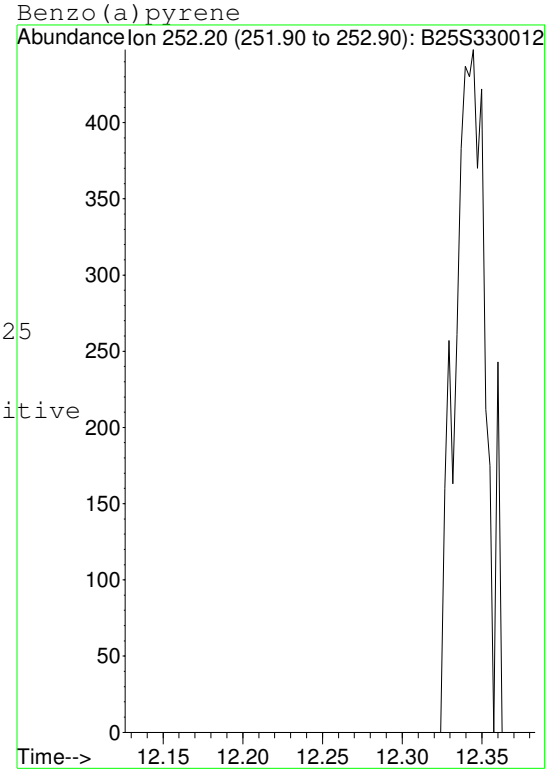
RT : 12.34
Area : 574
Amount: 0.115699

Manual Int. Results

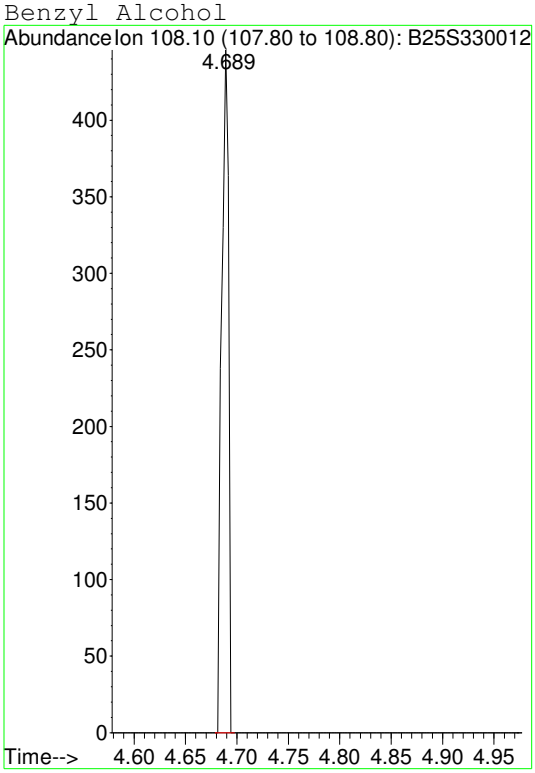
Sun Nov 30 10:20:27 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Benzo(a)pyrene



Original Integration
Benzyl Alcohol



Original Int. Results

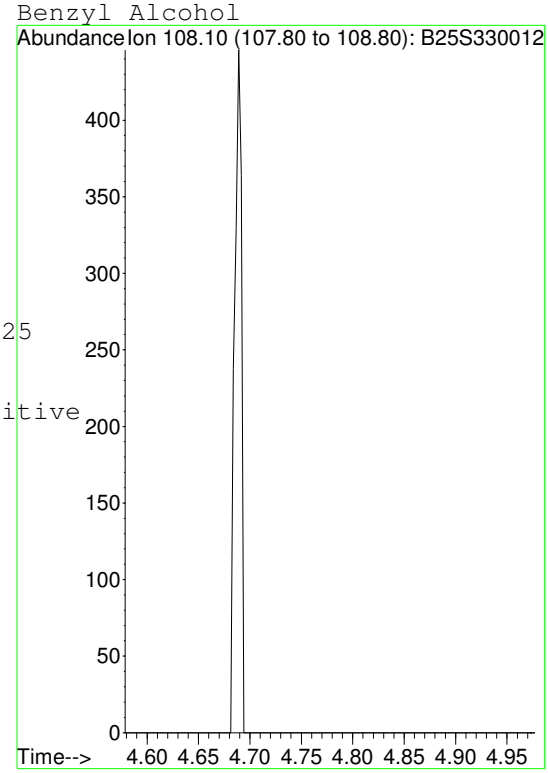
RT : 4.69
Area : 213
Amount: 0.165489

Manual Int. Results

Sun Nov 30 10:20:31 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Benzyl Alcohol



1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B418195-BS1	File ID:	B25S330010.D
Sampled:		Prepared:	11/25/25 08:43	Analyzed:	11/26/25 16:36
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.08 g / 1 mL				
Batch:	B418195	Sequence:	S129079	Calibration:	2500833
Instrument:	GCMSSV2				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg wet)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol	1.31	0.048	0.67	
1912-24-9	Atrazine	1.47	0.046	0.67	V-06
100-52-7	Benzaldehyde	0.899	0.047	0.34	V-05, V-34
92-52-4	Biphenyl	1.33	0.038	0.067	
105-60-2	Caprolactam	1.22	0.059	0.34	
83-32-9	Acenaphthene	1.22	0.0037	0.033	
208-96-8	Acenaphthylene	1.31	0.0042	0.033	
98-86-2	Acetophenone	1.12	0.036	0.34	
62-53-3	Aniline	0.898	0.064	0.34	V-05, V-34
120-12-7	Anthracene	1.24	0.0038	0.033	
56-55-3	Benzo(a)anthracene	1.26	0.0052	0.033	
50-32-8	Benzo(a)pyrene	1.30	0.011	0.033	
205-99-2	Benzo(b)fluoranthene	1.31	0.0082	0.033	
191-24-2	Benzo(g,h,i)perylene	1.43	0.013	0.033	
207-08-9	Benzo(k)fluoranthene	1.29	0.0068	0.033	
111-91-1	Bis(2-chloroethoxy)methane	1.20	0.034	0.34	
111-44-4	Bis(2-chloroethyl)ether	1.20	0.045	0.34	
108-60-1	2,2'-oxybis(1-Chloropropane)	1.43	0.14	0.34	
117-81-7	Bis(2-Ethylhexyl)phthalate	1.63	0.046	0.34	V-06
101-55-3	4-Bromophenylphenylether	1.31	0.030	0.34	
85-68-7	Butylbenzylphthalate	1.41	0.038	0.34	
86-74-8	Carbazole	1.27	0.035	0.17	
106-47-8	4-Chloroaniline	0.915	0.054	0.66	
59-50-7	4-Chloro-3-methylphenol	1.22	0.036	0.66	
91-58-7	2-Chloronaphthalene	1.15	0.030	0.34	
95-57-8	2-Chlorophenol	1.12	0.030	0.34	
7005-72-3	4-Chlorophenylphenylether	1.28	0.031	0.34	
218-01-9	Chrysene	1.22	0.0043	0.033	
53-70-3	Dibenz(a,h)anthracene	1.46	0.015	0.033	

1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B418195-BS1	File ID:	B25S330010.D
Sampled:		Prepared:	11/25/25 08:43	Analyzed:	11/26/25 16:36
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.08 g / 1 mL				
Batch:	B418195	Sequence:	S129079	Calibration:	2500833
Instrument:	GCMSSV2				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg wet)	MDL	RL	Q
132-64-9	Dibenzofuran	1.27	0.033	0.34	
84-74-2	Di-n-butylphthalate	1.36	0.13	0.34	
91-94-1	3,3-Dichlorobenzidine	1.26	0.060	0.17	
120-83-2	2,4-Dichlorophenol	1.22	0.032	0.34	
84-66-2	Diethylphthalate	1.31	0.033	0.34	
105-67-9	2,4-Dimethylphenol	1.29	0.070	0.34	
131-11-3	Dimethylphthalate	1.29	0.030	0.34	
534-52-1	4,6-Dinitro-2-methylphenol	1.26	0.28	0.34	
51-28-5	2,4-Dinitrophenol	1.42	0.32	0.66	V-04, V-06
121-14-2	2,4-Dinitrotoluene	1.35	0.080	0.34	
606-20-2	2,6-Dinitrotoluene	1.37	0.042	0.34	
117-84-0	Di-n-octylphthalate	1.51	0.050	0.34	V-06
206-44-0	Fluoranthene	1.28	0.0047	0.033	
86-73-7	Fluorene	1.28	0.0040	0.033	
118-74-1	Hexachlorobenzene	1.37	0.034	0.34	
87-68-3	Hexachlorobutadiene	1.17	0.035	0.34	
77-47-4	Hexachlorocyclopentadiene	1.38	0.17	0.34	
67-72-1	Hexachloroethane	1.04	0.031	0.34	
193-39-5	Indeno(1,2,3-cd)pyrene	1.46	0.014	0.033	
78-59-1	Isophorone	1.29	0.036	0.34	
90-12-0	1-Methylnaphthalene	1.15	0.0042	0.033	
91-57-6	2-Methylnaphthalene	1.05	0.0038	0.033	
95-48-7	2-Methylphenol	1.16	0.043	0.34	
108-39-4/106-44-5	3/4-Methylphenol	1.21	0.055	0.34	
91-20-3	Naphthalene	1.14	0.0048	0.033	
88-74-4	2-Nitroaniline	1.40	0.052	0.34	
99-09-2	3-Nitroaniline	1.19	0.044	0.34	
100-01-6	4-Nitroaniline	1.28	0.048	0.34	
98-95-3	Nitrobenzene	1.18	0.038	0.34	

1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B418195-BS1	File ID:	B25S330010.D
Sampled:		Prepared:	11/25/25 08:43	Analyzed:	11/26/25 16:36
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.08 g / 1 mL				
Batch:	B418195	Sequence:	S129079	Calibration:	2500833
Instrument:	GCMSSV2				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg wet)	MDL	RL	Q
88-75-5	2-Nitrophenol	1.19	0.035	0.34	
100-02-7	4-Nitrophenol	1.35	0.13	0.66	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine	1.28	0.044	0.34	
621-64-7	N-Nitrosodi-n-propylamine	1.22	0.042	0.34	
87-86-5	Pentachlorophenol	1.12	0.043	0.34	
85-01-8	Phenanthrene	1.21	0.0034	0.033	
108-95-2	Phenol	1.22	0.032	0.34	
129-00-0	Pyrene	1.18	0.0057	0.033	
110-86-1	Pyridine	0.732	0.043	0.34	
95-94-3	1,2,4,5-Tetrachlorobenzene	1.24	0.033	0.34	
95-95-4	2,4,5-Trichlorophenol	1.34	0.034	0.34	
88-06-2	2,4,6-Trichlorophenol	1.28	0.030	0.34	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330010.D
Acq On : 26 Nov 2025 4:36 pm
Operator : BGL
Sample : B418195-BS1@/8270S Inst : GCMSSV2
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 26 16:52:25 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.689	152	53076	40.00	ug/ml	-0.01
19) NAPHTHALENE-d8	5.489	136	204690	40.00	ug/ml	-0.01
35) ACENAPHTHENE-D10	6.579	164	108199	40.00	ug/ml	-0.01
58) PHENANTHRENE-D10	7.502	188	181128	40.00	ug/ml	-0.01
71) CHRYSENE-D12	9.899	240	172383	40.00	ug/ml	-0.02
80) PERYLENE-D12	12.347	264	195356	40.00	ug/ml	-0.01
88) 1,4-Dichlorobenzene-D4...	4.689	152	53076	40.00	ug/ml	-0.01
92) NAPHTHALENE-d8 (2)	5.489	136	204690	40.00	ug/ml	0.00
95) ACENAPHTHENE-D10 (2)	6.579	164	108199	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	3.838	112	222291	149.91	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 74.95%			
3) Phenol-d6	4.463	99	364625	149.13	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 74.56%			
20) Nitrobenzene-d5	5.041	82	150675	73.97	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 73.97%			
36) 2-Fluorobiphenyl	6.155	172	283494	79.37	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 79.37%			
37) 2,4,6-Tribromophenol	7.070	330	90448	188.23	ug/ml	-0.01
Spiked Amount 200.000	Range 30 - 130		Recovery = 94.11%			
72) p-Terphenyl-d14	8.675	244	295471	82.77	ug/ml	-0.02
Spiked Amount 100.000	Range 30 - 130		Recovery = 82.77%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.755	42	30095	31.84	ug/ml	86
5) Pyridine	2.783	79	49681	22.01	ug/ml	98
6) Aniline	4.478	93	87458	27.01	ug/ml#	1
7) Phenol	4.473	94	98363	36.73	ug/ml#	47
8) Bis(2-chloroethyl)ether	4.519	63	49009	35.98	ug/ml	89
9) 2-Chlorophenol	4.558	128	70230	33.61	ug/ml	94
10) 1,3-Dichlorobenzene	4.653	146	64432	29.57	ug/ml	100
11) 1,4-Dichlorobenzene	4.699	146	67615	30.31	ug/ml	99
12) 1,2-Dichlorobenzene	4.797	146	65159	30.99	ug/ml	99
13) 2- METHYLPHENOL	4.851	108	66215	34.78	ug/ml	96
14) 2,2'-oxybis(1-chloropr...	4.856	45	94824	42.95	ug/ml	95
15) Acetophenone	4.944	105	91986	33.61	ug/ml	88
16) 3/4- METHYLPHENOL	4.946	107	76975	36.34	ug/ml#	73
17) N-Nitroso-Di-N-Propyla...	4.941	70	52199	36.74	ug/ml	96
18) Hexachloroethane	5.008	117	26820	31.38	ug/ml	97
21) NITROBENZENE	5.052	77	72875	35.51	ug/ml	95
22) Isophorone	5.198	82	133994	38.93	ug/ml	97
23) 2-Nitrophenol	5.252	139	36121	35.70	ug/ml	97
24) 2,4-Dimethylphenol	5.275	122	63234	38.68	ug/ml	96
25) Bis(2-Chloroethoxy)met...	5.329	93	81432	36.07	ug/ml	98
26) Benzoic Acid	5.327	122	39959	39.54	ug/ml	91
27) 2,4-Dichlorophenol	5.404	162	56954	36.57	ug/ml	99
28) 1,2,4-Trichlorobenzene	5.453	180	55389	33.23	ug/ml	98
29) Naphthalene	5.502	128	192980	34.28	ug/ml	100
30) 4-Chloroaniline	5.535	127	66814	27.52	ug/ml	97
31) Hexachlorobutadiene	5.576	225	29451	35.13	ug/ml	99
32) 4-Chloro-3-Methylphenol	5.833	107	59561	36.67	ug/ml	97
33) 2-MethylNaphthalene	5.931	142	120303	31.47	ug/ml	99
34) 1-Methylnaphthalene	5.993	142	124906	34.73	ug/ml	99
38) Hexachlorocyclopentadiene	6.026	237	35695	41.48	ug/ml	98
39) 1,2,4,5-Tetrachloroben...	6.034	216	56380	37.42	ug/ml	99
40) 2,4,6-Trichlorophenol	6.106	196	39367	38.61	ug/ml	98

Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330010.D
Acq On : 26 Nov 2025 4:36 pm
Operator : BGL
Sample : B418195-BS1@/8270S Inst : GCMSSV2
Misc :
ALS Vial : 10 Sample Multiplier: 1

754

Quant Time: Nov 26 16:52:25 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

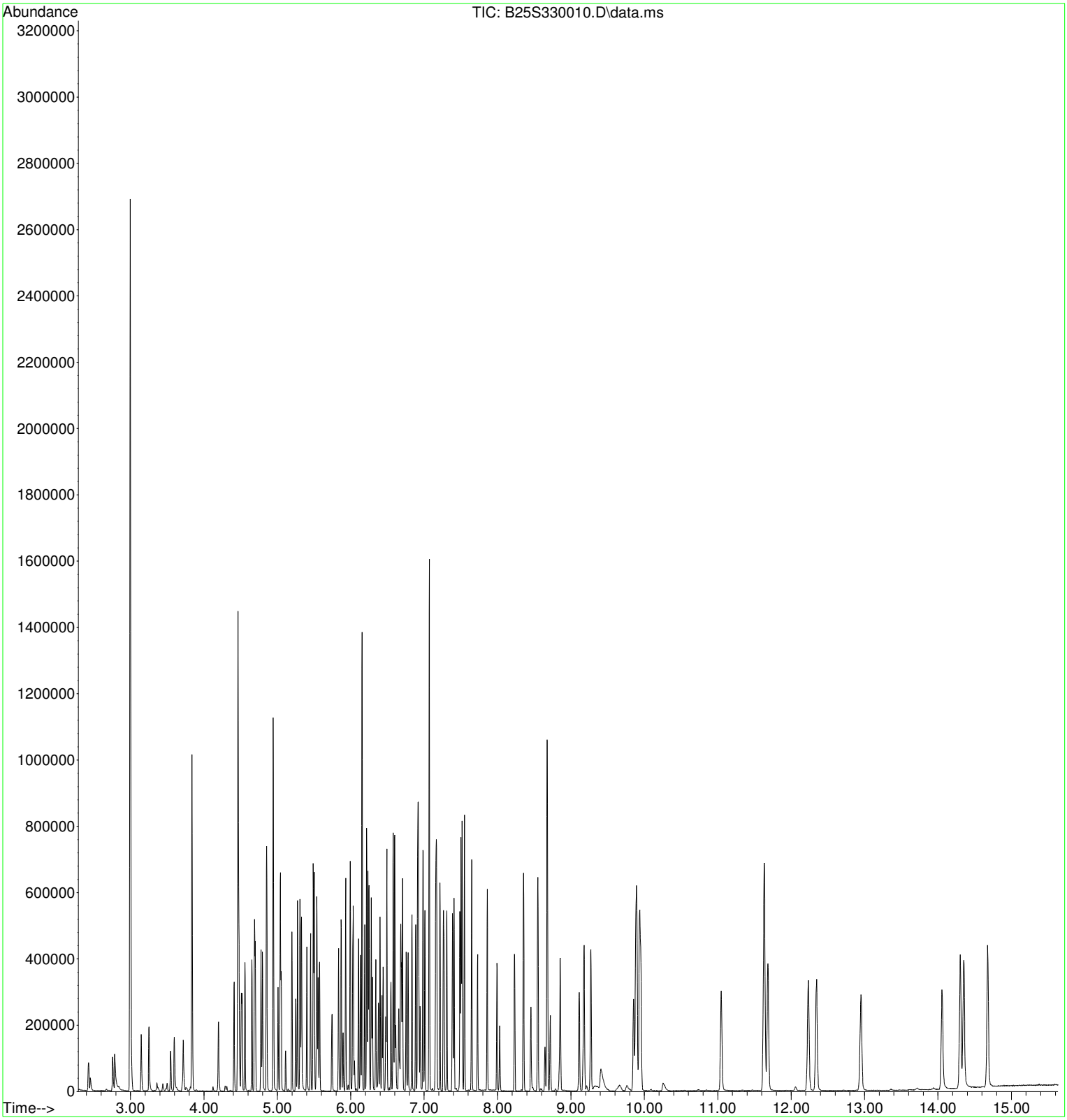
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 2,4,5-Trichlorophenol	6.132	196	43205	40.39 ug/ml	93
42) 2-ChloroNaphthalene	6.235	162	132884	34.52 ug/ml	98
43) 2-Nitroaniline	6.294	65	41657	42.25 ug/ml	93
44) 1,1-Biphenyl	6.217	154	161196	39.86 ug/ml	99
45) DIMETHYL PHTHALATE	6.399	163	131497	38.74 ug/ml	99
46) 2,6-DinitroToluene	6.440	165	32321	41.27 ug/ml	98
47) Acenaphthylene	6.492	152	204217	39.43 ug/ml	99
48) 3-Nitroaniline	6.548	138	34564	35.72 ug/ml	96
49) Acenaphthene	6.600	154	127468	36.71 ug/ml	99
50) 2,4-Dinitrophenol	6.613	184	18090	42.79 ug/ml#	100
51) 4-Nitrophenol	6.654	109	17030	40.68 ug/ml	94
52) Dibenzofuran	6.705	168	175503	38.27 ug/ml	99
53) 2,4-Dinitrotoluene	6.692	165	42948	40.62 ug/ml	90
54) DIETHYL PHTHALATE	6.834	149	126741	39.36 ug/ml	99
55) 4-Chlorophenyl phenyl ...	6.911	204	62118	38.38 ug/ml	99
56) Flourene	6.919	166	146893	38.52 ug/ml	99
57) 4-Nitroaniline	6.926	138	41038	38.42 ug/ml	94
59) 4,6-Dinitro-2-Methylph...	6.947	198	24545	37.87 ug/ml	97
60) N-Nitrosodiphenylamine	6.985	169	120243	38.45 ug/ml	99
61) 1,2-Diphenylhydrazine	7.011	77	147598	39.27 ug/ml	97
62) 4-Bromophenyl phenyl e...	7.214	248	38206	39.33 ug/ml	97
63) Hexachlorobenzene	7.263	284	44493	41.29 ug/ml	98
64) Pentachlorophenol	7.384	266	24500	33.76 ug/ml	96
65) Pentachloronitrobenzene	7.389	295	7677	40.81 ug/ml	96
66) Phenanthrene	7.518	178	205145	36.26 ug/ml	100
67) Anthracene	7.549	178	210387	37.18 ug/ml	100
68) Carbazole	7.649	167	200547	38.14 ug/ml	99
69) Di-N-Butyl Phthalate	7.860	149	210716	41.03 ug/ml	100
70) Flouranthene	8.354	202	215340	38.50 ug/ml	100
73) Benzidine	8.454	184	82419	38.71 ug/ml	95
74) Pyrene	8.549	202	224241	35.47 ug/ml	99
75) Butylbenzyl phthalate	9.179	149	98089	42.50 ug/ml	88
76) 3,3'-Dichlorobenzidine	9.853	252	68501	37.85 ug/ml	99
77) Benzo(a)anthracene	9.884	228	220019	37.83 ug/ml	98
78) Chrysene	9.935	228	211009	36.70 ug/ml	97
79) Bis(2-ethylhexyl)phtha...	9.950	149	129654	49.02 ug/ml	99
81) Di-n-octylphthalate	11.046	149	217241	45.35 ug/ml	92
82) Benzo(b)fluoranthene	11.635	252	235730	39.34 ug/ml	96
83) Benzo(k)fluoranthene	11.684	252	230706	38.78 ug/ml	97
84) Benzo(a)pyrene	12.234	252	217960	39.24 ug/ml	96
85) Indeno(1,2,3-cd)pyrene	14.304	276	216928	43.89 ug/ml	97
86) Dibenz(a,h)anthracene	14.353	278	227418	43.77 ug/ml	98
87) Benzo(g,h,i)perylene	14.677	276	235332	42.90 ug/ml	94
89) 1,4-Dioxane	2.452	88	12140	13.47 ug/ml	92
90) Benzaldehyde	4.411	106	47731	27.03 ug/ml	98
91) Benzyl Alcohol	4.776	108	46766	37.01 ug/ml	94
93) 2,6-Dichlorophenol	5.404	162	56954	34.03 ug/ml	96
94) Caprolactam	5.746	113	23076	36.79 ug/ml	89
96) 2,3,4,6-Tetrachlorophenol	6.782	230	27439	39.31 ug/ml	97
97) Atrazine	7.309	200	37427	44.20 ug/ml	98

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

Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330010.D
Acq On : 26 Nov 2025 4:36 pm
Operator : BGL
Sample : B418195-BS1@/8270S Inst : GCMSSV2
Misc :
ALS Vial : 10 Sample Multiplier: 1

755

Quant Time: Nov 26 16:52:25 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration



1 - FORM I
ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B418195-BSD1	File ID:	B25S330011.D
Sampled:		Prepared:	11/25/25 08:43	Analyzed:	11/26/25 17:00
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.03 g / 1 mL				
Batch:	B418195	Sequence:	S129079	Calibration:	2500833
Instrument:	GCMSSV2				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg wet)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol	1.42	0.048	0.67	
1912-24-9	Atrazine	1.55	0.046	0.67	V-06
100-52-7	Benzaldehyde	0.920	0.047	0.34	V-05, V-34
92-52-4	Biphenyl	1.37	0.038	0.067	
105-60-2	Caprolactam	1.20	0.059	0.34	
83-32-9	Acenaphthene	1.29	0.0037	0.033	
208-96-8	Acenaphthylene	1.40	0.0042	0.033	
98-86-2	Acetophenone	1.21	0.036	0.34	
62-53-3	Aniline	0.926	0.064	0.34	V-05, V-34
120-12-7	Anthracene	1.31	0.0038	0.033	
56-55-3	Benzo(a)anthracene	1.35	0.0052	0.033	
50-32-8	Benzo(a)pyrene	1.42	0.011	0.033	
205-99-2	Benzo(b)fluoranthene	1.43	0.0082	0.033	
191-24-2	Benzo(g,h,i)perylene	1.59	0.013	0.033	
207-08-9	Benzo(k)fluoranthene	1.37	0.0068	0.033	
111-91-1	Bis(2-chloroethoxy)methane	1.26	0.034	0.34	
111-44-4	Bis(2-chloroethyl)ether	1.31	0.045	0.34	
108-60-1	2,2'-oxybis(1-Chloropropane)	1.61	0.14	0.34	
117-81-7	Bis(2-Ethylhexyl)phthalate	1.63	0.046	0.34	V-06
101-55-3	4-Bromophenylphenylether	1.42	0.030	0.34	
85-68-7	Butylbenzylphthalate	1.40	0.038	0.34	
86-74-8	Carbazole	1.35	0.035	0.17	
106-47-8	4-Chloroaniline	0.901	0.055	0.66	
59-50-7	4-Chloro-3-methylphenol	1.17	0.036	0.66	
91-58-7	2-Chloronaphthalene	1.19	0.030	0.34	
95-57-8	2-Chlorophenol	1.18	0.030	0.34	
7005-72-3	4-Chlorophenylphenylether	1.35	0.031	0.34	
218-01-9	Chrysene	1.32	0.0043	0.033	
53-70-3	Dibenz(a,h)anthracene	1.59	0.015	0.033	

1 - FORM I
ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B418195-BSD1	File ID:	B25S330011.D
Sampled:		Prepared:	11/25/25 08:43	Analyzed:	11/26/25 17:00
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.03 g / 1 mL				
Batch:	B418195	Sequence:	S129079	Calibration:	2500833
Instrument:	GCMSSV2				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg wet)	MDL	RL	Q
132-64-9	Dibenzofuran	1.35	0.033	0.34	
84-74-2	Di-n-butylphthalate	1.40	0.13	0.34	
91-94-1	3,3-Dichlorobenzidine	1.33	0.061	0.17	
120-83-2	2,4-Dichlorophenol	1.28	0.032	0.34	
84-66-2	Diethylphthalate	1.34	0.033	0.34	
105-67-9	2,4-Dimethylphenol	1.36	0.070	0.34	
131-11-3	Dimethylphthalate	1.37	0.030	0.34	
534-52-1	4,6-Dinitro-2-methylphenol	1.36	0.28	0.34	
51-28-5	2,4-Dinitrophenol	1.46	0.32	0.66	V-04, V-06
121-14-2	2,4-Dinitrotoluene	1.43	0.080	0.34	
606-20-2	2,6-Dinitrotoluene	1.48	0.043	0.34	
117-84-0	Di-n-octylphthalate	1.52	0.050	0.34	V-06
206-44-0	Fluoranthene	1.36	0.0047	0.033	
86-73-7	Fluorene	1.34	0.0040	0.033	
118-74-1	Hexachlorobenzene	1.50	0.034	0.34	
87-68-3	Hexachlorobutadiene	1.21	0.035	0.34	
77-47-4	Hexachlorocyclopentadiene	1.45	0.17	0.34	
67-72-1	Hexachloroethane	1.08	0.031	0.34	
193-39-5	Indeno(1,2,3-cd)pyrene	1.61	0.014	0.033	
78-59-1	Isophorone	1.46	0.036	0.34	
90-12-0	1-Methylnaphthalene	1.13	0.0042	0.033	
91-57-6	2-Methylnaphthalene	1.03	0.0038	0.033	
95-48-7	2-Methylphenol	1.26	0.043	0.34	
108-39-4/106-44-5	3/4-Methylphenol	1.33	0.055	0.34	
91-20-3	Naphthalene	1.20	0.0048	0.033	
88-74-4	2-Nitroaniline	1.54	0.052	0.34	
99-09-2	3-Nitroaniline	1.24	0.044	0.34	
100-01-6	4-Nitroaniline	1.36	0.048	0.34	
98-95-3	Nitrobenzene	1.33	0.038	0.34	

1 - FORM I
ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B418195-BSD1	File ID:	B25S330011.D
Sampled:		Prepared:	11/25/25 08:43	Analyzed:	11/26/25 17:00
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.03 g / 1 mL				
Batch:	B418195	Sequence:	S129079	Calibration:	2500833
Instrument:	GCMSSV2				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg wet)	MDL	RL	Q
88-75-5	2-Nitrophenol	1.29	0.035	0.34	
100-02-7	4-Nitrophenol	1.32	0.13	0.66	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine	1.36	0.044	0.34	
621-64-7	N-Nitrosodi-n-propylamine	1.37	0.042	0.34	
87-86-5	Pentachlorophenol	1.24	0.043	0.34	
85-01-8	Phenanthrene	1.29	0.0034	0.033	
108-95-2	Phenol	1.27	0.032	0.34	
129-00-0	Pyrene	1.25	0.0057	0.033	
110-86-1	Pyridine	0.736	0.043	0.34	
95-94-3	1,2,4,5-Tetrachlorobenzene	1.33	0.033	0.34	
95-95-4	2,4,5-Trichlorophenol	1.41	0.034	0.34	
88-06-2	2,4,6-Trichlorophenol	1.36	0.030	0.34	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330011.D
Acq On : 26 Nov 2025 5:00 pm
Operator : BGL
Sample : B418195-BSD1 Inst : GCMSSV2
Misc :
ALS Vial : 11 Sample Multiplier: 1

759

Quant Time: Nov 26 17:16:36 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.689	152	53628	40.00	ug/ml	-0.01
19) NAPHTHALENE-d8	5.489	136	204309	40.00	ug/ml	-0.01
35) ACENAPHTHENE-D10	6.579	164	102049	40.00	ug/ml	-0.01
58) PHENANTHRENE-D10	7.502	188	171434	40.00	ug/ml	-0.01
71) CHRYSENE-D12	9.899	240	166375	40.00	ug/ml	-0.02
80) PERYLENE-D12	12.345	264	186861	40.00	ug/ml	-0.02
88) 1,4-Dichlorobenzene-D4...	4.689	152	53628	40.00	ug/ml	-0.01
92) NAPHTHALENE-d8 (2)	5.489	136	204309	40.00	ug/ml	0.00
95) ACENAPHTHENE-D10 (2)	6.579	164	102049	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	3.838	112	227368	151.75	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 75.88%			
3) Phenol-d6	4.465	99	376772	152.51	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 76.25%			
20) Nitrobenzene-d5	5.041	82	160900	79.13	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 79.13%			
36) 2-Fluorobiphenyl	6.155	172	274509	81.48	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 81.48%			
37) 2,4,6-Tribromophenol	7.070	330	92107	203.23	ug/ml	-0.01
Spiked Amount 200.000	Range 30 - 130		Recovery = 101.61%			
72) p-Terphenyl-d14	8.675	244	295946	85.90	ug/ml	-0.02
Spiked Amount 100.000	Range 30 - 130		Recovery = 85.90%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.755	42	31863	33.37	ug/ml	88
5) Pyridine	2.786	79	50383	22.09	ug/ml	96
6) Aniline	4.481	93	90969	27.81	ug/ml#	1
7) Phenol	4.473	94	103031	38.08	ug/ml#	48
8) Bis(2-chloroethyl)ether	4.522	63	54266	39.43	ug/ml	87
9) 2-Chlorophenol	4.558	128	74699	35.39	ug/ml	93
10) 1,3-Dichlorobenzene	4.653	146	67041	30.45	ug/ml	100
11) 1,4-Dichlorobenzene	4.702	146	69167	30.68	ug/ml	98
12) 1,2-Dichlorobenzene	4.797	146	66680	31.38	ug/ml	99
13) 2- METHYLPHENOL	4.851	108	72924	37.90	ug/ml	96
14) 2,2'-oxybis(1-chloropr...	4.859	45	107949	48.39	ug/ml	93
15) Acetophenone	4.944	105	100308	36.28	ug/ml	89
16) 3/4- METHYLPHENOL	4.946	107	85355	39.88	ug/ml#	73
17) N-Nitroso-Di-N-Propyla...	4.944	70	58882	41.02	ug/ml	96
18) Hexachloroethane	5.011	117	28065	32.50	ug/ml	100
21) NITROBENZENE	5.054	77	81723	39.90	ug/ml	92
22) Isophorone	5.198	82	150736	43.87	ug/ml	96
23) 2-Nitrophenol	5.252	139	39093	38.71	ug/ml	93
24) 2,4-Dimethylphenol	5.275	122	66573	40.80	ug/ml	97
25) Bis(2-Chloroethoxy)met...	5.329	93	85149	37.79	ug/ml	99
26) Benzoic Acid	5.327	122	41329	40.97	ug/ml	86
27) 2,4-Dichlorophenol	5.404	162	59715	38.42	ug/ml	99
28) 1,2,4-Trichlorobenzene	5.453	180	58030	34.88	ug/ml	99
29) Naphthalene	5.504	128	202206	35.99	ug/ml	100
30) 4-Chloroaniline	5.535	127	65599	27.07	ug/ml	97
31) Hexachlorobutadiene	5.576	225	30454	36.39	ug/ml	99
32) 4-Chloro-3-Methylphenol	5.833	107	56813	35.04	ug/ml	99
33) 2-MethylNaphthalene	5.931	142	117803	30.88	ug/ml	98
34) 1-Methylnaphthalene	5.993	142	121891	33.95	ug/ml	98
38) Hexachlorocyclopentadiene	6.026	237	35286	43.47	ug/ml	98
39) 1,2,4,5-Tetrachloroben...	6.034	216	56610	39.83	ug/ml	99
40) 2,4,6-Trichlorophenol	6.106	196	39194	40.76	ug/ml	98

Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330011.D
Acq On : 26 Nov 2025 5:00 pm
Operator : BGL
Sample : B418195-BSD1 Inst : GCMSSV2
Misc :
ALS Vial : 11 Sample Multiplier: 1

760

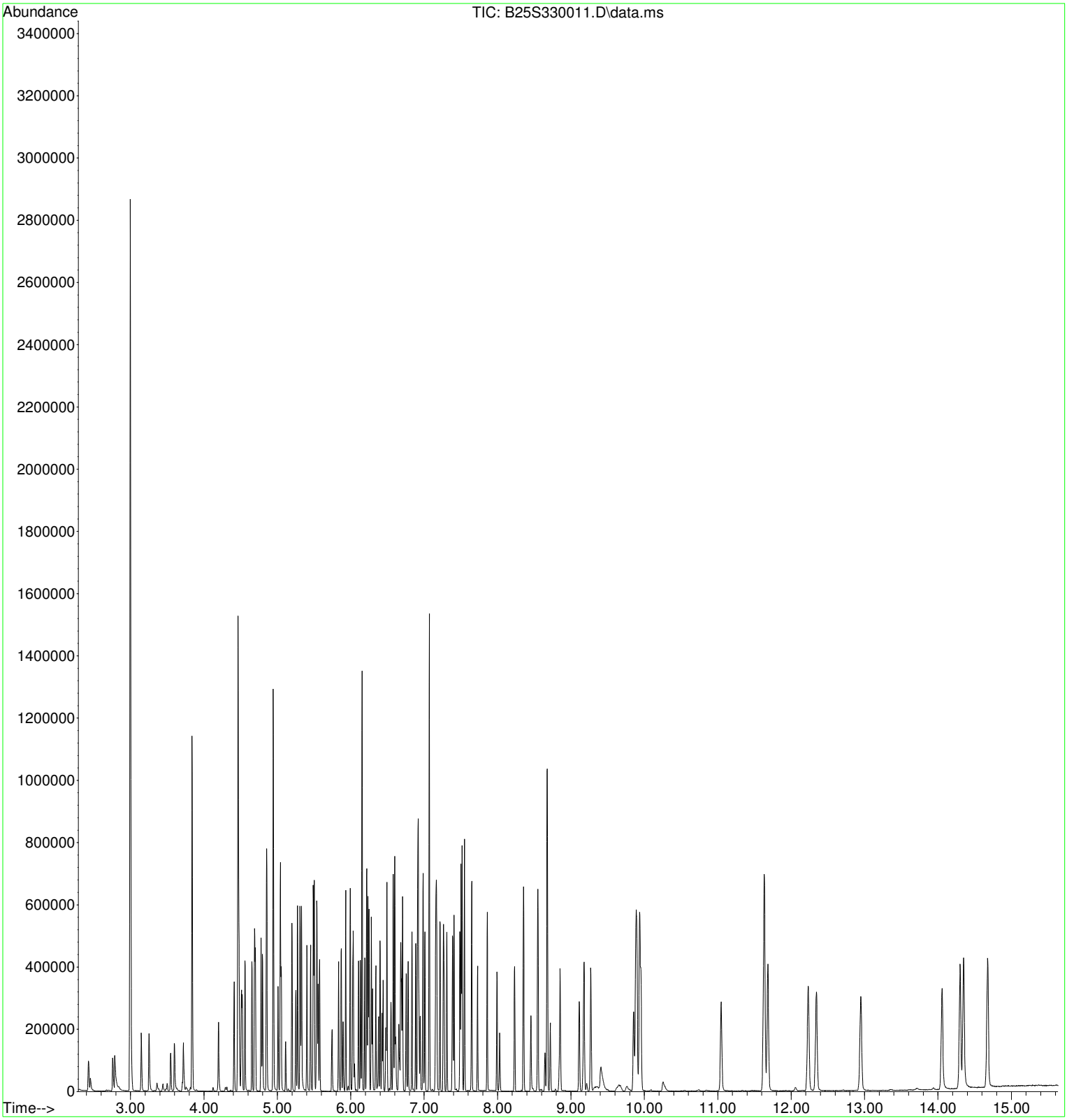
Quant Time: Nov 26 17:16:36 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 2,4,5-Trichlorophenol	6.132	196	42785	42.40	ug/ml	90
42) 2-ChloroNaphthalene	6.235	162	129389	35.64	ug/ml	97
43) 2-Nitroaniline	6.296	65	42918	46.15	ug/ml	88
44) 1,1-Biphenyl	6.219	154	156983	41.15	ug/ml	99
45) DIMETHYL PHTHALATE	6.399	163	131801	41.17	ug/ml	99
46) 2,6-DinitroToluene	6.440	165	32756	44.34	ug/ml	92
47) Acenaphthylene	6.492	152	205235	42.02	ug/ml	99
48) 3-Nitroaniline	6.548	138	34036	37.29	ug/ml	96
49) Acenaphthene	6.600	154	127329	38.88	ug/ml	99
50) 2,4-Dinitrophenol	6.613	184	17462	43.79	ug/ml#	84
51) 4-Nitrophenol	6.654	109	15686	39.73	ug/ml	91
52) Dibenzofuran	6.705	168	174794	40.42	ug/ml	97
53) 2,4-Dinitrotoluene	6.692	165	42858	42.98	ug/ml	96
54) DIETHYL PHTHALATE	6.834	149	122642	40.38	ug/ml	98
55) 4-Chlorophenyl phenyl ...	6.911	204	61866	40.53	ug/ml	98
56) Flourene	6.919	166	145250	40.39	ug/ml	99
57) 4-Nitroaniline	6.929	138	41024	40.72	ug/ml	91
59) 4,6-Dinitro-2-Methylph...	6.947	198	25630	40.88	ug/ml	93
60) N-Nitrosodiphenylamine	6.986	169	120916	40.85	ug/ml	99
61) 1,2-Diphenylhydrazine	7.011	77	132504	37.24	ug/ml	95
62) 4-Bromophenyl phenyl e...	7.217	248	39135	42.56	ug/ml	96
63) Hexachlorobenzene	7.263	284	45832	44.93	ug/ml	93
64) Pentachlorophenol	7.384	266	25519	37.15	ug/ml	99
65) Pentachloronitrobenzene	7.392	295	8229	46.22	ug/ml#	84
66) Phenanthrene	7.518	178	207357	38.72	ug/ml	100
67) Anthracene	7.549	178	210284	39.26	ug/ml	100
68) Carbazole	7.649	167	201677	40.53	ug/ml	99
69) Di-N-Butyl Phthalate	7.860	149	204888	42.15	ug/ml	99
70) Flouranthene	8.354	202	216657	40.93	ug/ml	99
73) Benzidine	8.454	184	80771	39.31	ug/ml	96
74) Pyrene	8.549	202	229698	37.64	ug/ml	100
75) Butylbenzyl phthalate	9.179	149	93875	42.14	ug/ml	92
76) 3,3'-Dichlorobenzidine	9.855	252	69695	39.90	ug/ml	98
77) Benzo(a)anthracene	9.884	228	227447	40.52	ug/ml	98
78) Chrysene	9.935	228	219332	39.52	ug/ml	98
79) Bis(2-ethylhexyl)phtha...	9.953	149	124643	48.83	ug/ml	99
81) Di-n-octylphthalate	11.046	149	209125	45.64	ug/ml	96
82) Benzo(b)fluoranthene	11.637	252	245614	42.85	ug/ml	97
83) Benzo(k)fluoranthene	11.684	252	233932	41.11	ug/ml	97
84) Benzo(a)pyrene	12.234	252	226094	42.56	ug/ml	96
85) Indeno(1,2,3-cd)pyrene	14.302	276	228146	48.25	ug/ml	97
86) Dibenz(a,h)anthracene	14.350	278	237617	47.81	ug/ml	99
87) Benzo(g,h,i)perylene	14.677	276	249927	47.63	ug/ml	95
89) 1,4-Dioxane	2.454	88	12739	13.99	ug/ml	89
90) Benzaldehyde	4.411	106	49314	27.64	ug/ml	96
91) Benzyl Alcohol	4.779	108	51618	40.43	ug/ml	93
93) 2,6-Dichlorophenol	5.404	162	59715	35.74	ug/ml	96
94) Caprolactam	5.746	113	22496	35.93	ug/ml	97
96) 2,3,4,6-Tetrachlorophenol	6.782	230	28055	42.61	ug/ml	95
97) Atrazine	7.310	200	37068	46.41	ug/ml	100

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

Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330011.D
Acq On : 26 Nov 2025 5:00 pm
Operator : BGL
Sample : B418195-BSD1 Inst : GCMSSV2
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 26 17:16:36 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration



1 - FORM I
ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B418195-MS1	File ID:	B25S330015.D
Sampled:		Prepared:	11/25/25 08:43	Analyzed:	11/26/25 18:38
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.47 g / 1 mL				
Batch:	B418195	Sequence:	S129079	Calibration:	2500833	Instrument:	GCMSSV2
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol	0.900	0.056	0.79	
1912-24-9	Atrazine	1.39	0.055	0.79	V-06
100-52-7	Benzaldehyde	0.869	0.055	0.40	V-34, V-05
92-52-4	Biphenyl	1.19	0.045	0.079	
105-60-2	Caprolactam	1.07	0.069	0.40	
83-32-9	Acenaphthene	1.07	0.0044	0.039	
208-96-8	Acenaphthylene	1.19	0.0049	0.039	
98-86-2	Acetophenone	0.970	0.042	0.40	
62-53-3	Aniline	0.363	0.075	0.40	MS-09, R-06, V-
120-12-7	Anthracene	1.15	0.0045	0.039	
56-55-3	Benzo(a)anthracene	1.23	0.0061	0.039	
50-32-8	Benzo(a)pyrene	1.30	0.013	0.039	
205-99-2	Benzo(b)fluoranthene	1.39	0.0096	0.039	
191-24-2	Benzo(g,h,i)perylene	1.27	0.015	0.039	
207-08-9	Benzo(k)fluoranthene	1.24	0.0080	0.039	
111-91-1	Bis(2-chloroethoxy)methane	0.987	0.040	0.40	
111-44-4	Bis(2-chloroethyl)ether	0.976	0.053	0.40	
108-60-1	2,2'-oxybis(1-Chloropropane)	1.19	0.16	0.40	R-06
117-81-7	Bis(2-Ethylhexyl)phthalate	1.80	0.054	0.40	V-06
101-55-3	4-Bromophenylphenylether	1.25	0.035	0.40	
85-68-7	Butylbenzylphthalate	1.34	0.045	0.40	
86-74-8	Carbazole	1.17	0.041	0.20	
106-47-8	4-Chloroaniline	0.360	0.064	0.78	MS-09, R-06, J
59-50-7	4-Chloro-3-methylphenol	1.15	0.042	0.78	
91-58-7	2-Chloronaphthalene	0.997	0.035	0.40	
95-57-8	2-Chlorophenol	0.954	0.035	0.40	
7005-72-3	4-Chlorophenylphenylether	1.21	0.037	0.40	
218-01-9	Chrysene	1.22	0.0051	0.039	
53-70-3	Dibenz(a,h)anthracene	1.33	0.018	0.039	

1 - FORM I
ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B418195-MS1	File ID:	B25S330015.D
Sampled:		Prepared:	11/25/25 08:43	Analyzed:	11/26/25 18:38
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.47 g / 1 mL				
Batch:	B418195	Sequence:	S129079	Calibration:	2500833	Instrument:	GCMSSV2
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
132-64-9	Dibenzofuran	1.19	0.039	0.40	
84-74-2	Di-n-butylphthalate	1.41	0.15	0.40	
91-94-1	3,3-Dichlorobenzidine	0.0510			MS-09
120-83-2	2,4-Dichlorophenol	1.12	0.037	0.40	
84-66-2	Diethylphthalate	1.27	0.039	0.40	
105-67-9	2,4-Dimethylphenol	1.09	0.082	0.40	
131-11-3	Dimethylphthalate	1.24	0.036	0.40	
534-52-1	4,6-Dinitro-2-methylphenol	0.778	0.33	0.40	R-06
51-28-5	2,4-Dinitrophenol	0.358			MS-22, V-06, V-0
121-14-2	2,4-Dinitrotoluene	1.24	0.095	0.40	
606-20-2	2,6-Dinitrotoluene	1.25	0.050	0.40	
117-84-0	Di-n-octylphthalate	1.83	0.059	0.40	V-06
206-44-0	Fluoranthene	1.41	0.0055	0.039	
86-73-7	Fluorene	1.22	0.0047	0.039	
118-74-1	Hexachlorobenzene	1.34	0.040	0.40	
87-68-3	Hexachlorobutadiene	1.09	0.041	0.40	
77-47-4	Hexachlorocyclopentadiene	0.0172			MS-09
67-72-1	Hexachloroethane	0.563	0.036	0.40	MS-23
193-39-5	Indeno(1,2,3-cd)pyrene	1.40	0.016	0.039	
78-59-1	Isophorone	1.11	0.043	0.40	
90-12-0	1-Methylnaphthalene	1.08	0.0049	0.039	
91-57-6	2-Methylnaphthalene	0.982	0.0045	0.039	
95-48-7	2-Methylphenol	1.04	0.050	0.40	
108-39-4/106-44-5	3/4-Methylphenol	1.10	0.065	0.40	
91-20-3	Naphthalene	0.997	0.0056	0.039	
88-74-4	2-Nitroaniline	1.21	0.061	0.40	
99-09-2	3-Nitroaniline	1.57	0.052	0.40	
100-01-6	4-Nitroaniline	0.629	0.056	0.40	MS-23
98-95-3	Nitrobenzene	0.948	0.045	0.40	

1 - FORM I
ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B418195-MS1	File ID:	B25S330015.D
Sampled:		Prepared:	11/25/25 08:43	Analyzed:	11/26/25 18:38
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.47 g / 1 mL				
Batch:	B418195	Sequence:	S129079	Calibration:	2500833
Instrument:	GCMSSV2				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
88-75-5	2-Nitrophenol	0.966	0.041	0.40	
100-02-7	4-Nitrophenol	1.31	0.16	0.78	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine	1.16	0.052	0.40	
621-64-7	N-Nitrosodi-n-propylamine	1.06	0.049	0.40	
87-86-5	Pentachlorophenol	0.696	0.051	0.40	R-06
85-01-8	Phenanthrene	1.19	0.0040	0.039	
108-95-2	Phenol	1.07	0.038	0.40	
129-00-0	Pyrene	1.14	0.0067	0.039	
110-86-1	Pyridine	0.579	0.051	0.40	MS-09
95-94-3	1,2,4,5-Tetrachlorobenzene	1.15	0.038	0.40	
95-95-4	2,4,5-Trichlorophenol	1.21	0.040	0.40	
88-06-2	2,4,6-Trichlorophenol	1.06	0.035	0.40	

Quantitation Report (QT Reviewed)

765

Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330015.D
Acq On : 26 Nov 2025 6:38 pm
Operator : BGL
Sample : B418195-MS1@/K1213-13RE1 Inst : GCMSSV2
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 26 18:53:58 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.689	152	58953	40.00	ug/ml	-0.01
19) NAPHTHALENE-d8	5.489	136	209280	40.00	ug/ml	-0.01
35) ACENAPHTHENE-D10	6.579	164	115319	40.00	ug/ml	-0.01
58) PHENANTHRENE-D10	7.503	188	200740	40.00	ug/ml	-0.01
71) CHRYSENE-D12	9.899	240	215874	40.00	ug/ml	-0.02
80) PERYLENE-D12	12.350	264	227057	40.00	ug/ml	-0.01
88) 1,4-Dichlorobenzene-D4...	4.689	152	58953	40.00	ug/ml	-0.01
92) NAPHTHALENE-d8 (2)	5.489	136	209280	40.00	ug/ml	0.00
95) ACENAPHTHENE-D10 (2)	6.579	164	115182	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	3.841	112	169176	102.71	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 51.35%			
3) Phenol-d6	4.466	99	288267	106.15	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 53.08%			
20) Nitrobenzene-d5	5.042	82	103366	49.63	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 49.63%			
36) 2-Fluorobiphenyl	6.155	172	224994	59.10	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 59.10%			
37) 2,4,6-Tribromophenol	7.071	330	63566	124.12	ug/ml	-0.01
Spiked Amount 200.000	Range 30 - 130		Recovery = 62.06%			
72) p-Terphenyl-d14	8.678	244	282903	63.28	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 63.28%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.758	42	23259	22.16	ug/ml	86
5) Pyridine	2.791	79	37057	14.78	ug/ml	97
6) Aniline	4.481	93	33297	9.26	ug/ml#	1
7) Phenol	4.473	94	81465	27.39	ug/ml#	69
8) Bis(2-chloroethyl)ether	4.522	63	37665	24.90	ug/ml	93
9) 2-Chlorophenol	4.561	128	56476	24.34	ug/ml	94
10) 1,3-Dichlorobenzene	4.653	146	50189	20.74	ug/ml	100
11) 1,4-Dichlorobenzene	4.702	146	51414	20.75	ug/ml	99
12) 1,2-Dichlorobenzene	4.800	146	50495	21.62	ug/ml	99
13) 2- METHYLPHENOL	4.854	108	56233	26.59	ug/ml	97
14) 2,2'-oxybis(1-chloropr...	4.856	45	74551	30.40	ug/ml	97
15) Acetophenone	4.944	105	75273	24.76	ug/ml	88
16) 3/4- METHYLPHENOL	4.949	107	66027	28.07	ug/ml#	76
17) N-Nitroso-Di-N-Propyla...	4.944	70	42674	27.04	ug/ml	96
18) Hexachloroethane	5.011	117	13638	14.37	ug/ml	97
21) NITROBENZENE	5.052	77	50771	24.20	ug/ml	99
22) Isophorone	5.201	82	99618	28.31	ug/ml	100
23) 2-Nitrophenol	5.252	139	25515	24.66	ug/ml	97
24) 2,4-Dimethylphenol	5.276	122	46682	27.93	ug/ml	96
25) Bis(2-Chloroethoxy)met...	5.330	93	58125	25.18	ug/ml	98
26) Benzoic Acid	5.330	122	33779	32.69	ug/ml	96
27) 2,4-Dichlorophenol	5.404	162	45443	28.54	ug/ml	98
28) 1,2,4-Trichlorobenzene	5.453	180	43038	25.25	ug/ml	98
29) Naphthalene	5.502	128	146469	25.45	ug/ml	99
30) 4-Chloroaniline	5.538	127	22792	9.18	ug/ml	87
31) Hexachlorobutadiene	5.576	225	23921	27.91	ug/ml	99
32) 4-Chloro-3-Methylphenol	5.836	107	48751	29.36	ug/ml	97
33) 2-MethylNaphthalene	5.931	142	97951	25.06	ug/ml	97
34) 1-Methylnaphthalene	5.993	142	101455	27.59	ug/ml	97
38) Hexachlorocyclopentadiene	6.026	237	407	0.44	ug/ml	94
39) 1,2,4,5-Tetrachloroben...	6.034	216	47049	29.30	ug/ml	99
40) 2,4,6-Trichlorophenol	6.109	196	29362	27.02	ug/ml	99

Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330015.D
Acq On : 26 Nov 2025 6:38 pm
Operator : BGL
Sample : B418195-MS1@/K1213-13RE1 Inst : GCMSSV2
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 26 18:53:58 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

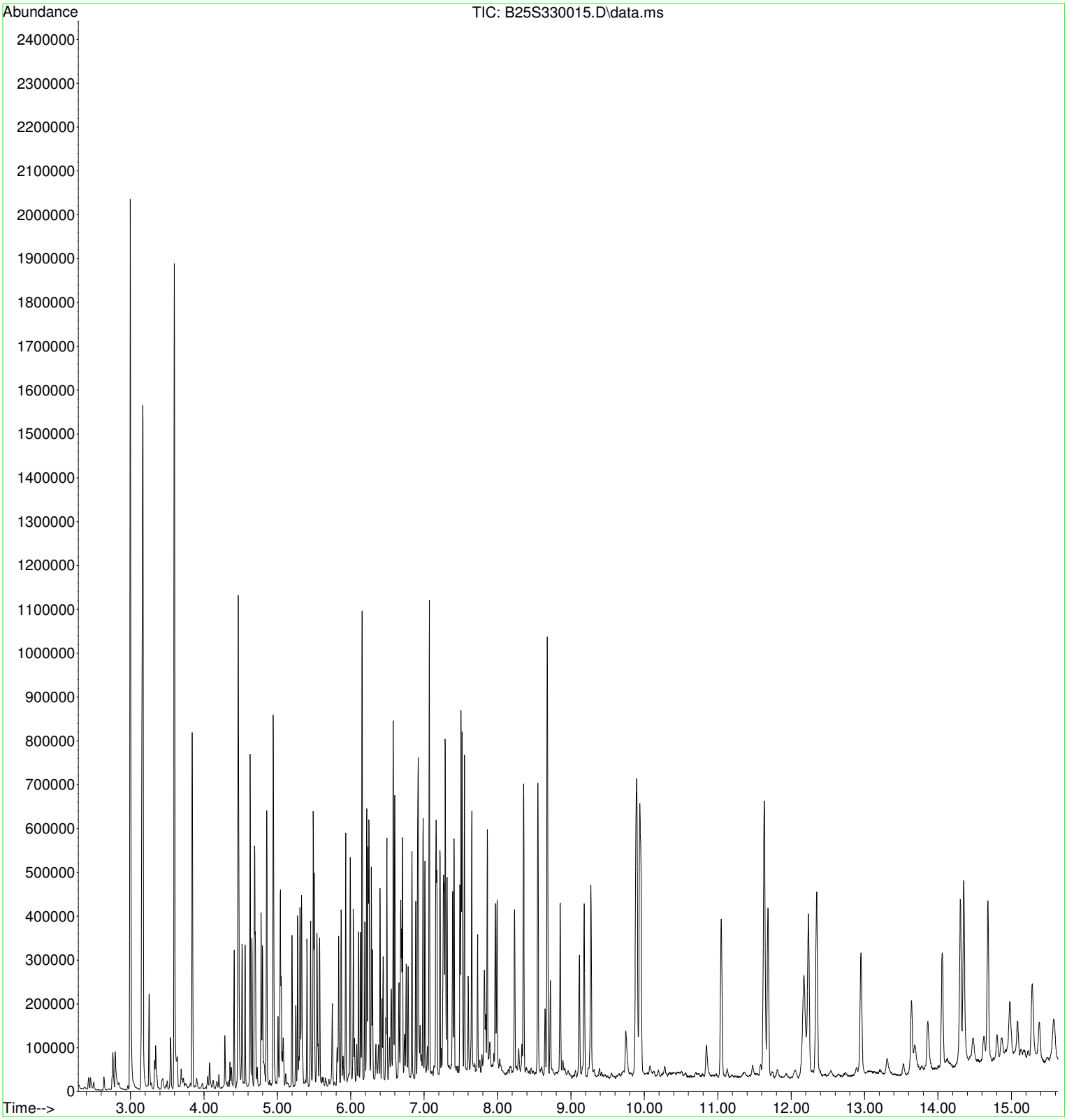
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 2,4,5-Trichlorophenol	6.134	196	35199	30.87 ug/ml	92
42) 2-ChloroNaphthalene	6.235	162	104327	25.43 ug/ml	98
43) 2-Nitroaniline	6.296	65	32324	30.76 ug/ml	94
44) 1,1-Biphenyl	6.219	154	130971	30.38 ug/ml	100
45) DIMETHYL PHTHALATE	6.399	163	114683	31.70 ug/ml	99
46) 2,6-DinitroToluene	6.441	165	26639	31.91 ug/ml	95
47) Acenaphthylene	6.492	152	168010	30.44 ug/ml	100
48) 3-Nitroaniline	6.551	138	41196	39.94 ug/ml#	23
49) Acenaphthene	6.600	154	100673	27.20 ug/ml	97
50) 2,4-Dinitrophenol	6.613	184	4116	9.13 ug/ml#	79
51) 4-Nitrophenol	6.657	109	14956	33.52 ug/ml	94
52) Dibenzofuran	6.705	168	147810	30.24 ug/ml	96
53) 2,4-Dinitrotoluene	6.692	165	35733	31.71 ug/ml	96
54) DIETHYL PHTHALATE	6.834	149	111501	32.49 ug/ml	97
55) 4-Chlorophenyl phenyl ...	6.911	204	53097	30.78 ug/ml	99
56) Flourene	6.919	166	126258	31.07 ug/ml	99
57) 4-Nitroaniline	6.932	138	18259	16.04 ug/ml	93
59) 4,6-Dinitro-2-Methylph...	6.947	198	10395	19.86 ug/ml	95
60) N-Nitrosodiphenylamine	6.986	169	102395	29.54 ug/ml	97
61) 1,2-Diphenylhydrazine	7.011	77	116099	27.87 ug/ml	95
62) 4-Bromophenyl phenyl e...	7.217	248	34468	32.01 ug/ml	95
63) Hexachlorobenzene	7.263	284	40914	34.26 ug/ml	96
64) Pentachlorophenol	7.384	266	14281	17.75 ug/ml	99
65) Pentachloronitrobenzene	7.389	295	7142	34.26 ug/ml#	83
66) Phenanthrene	7.518	178	190869	30.44 ug/ml	100
67) Anthracene	7.549	178	184161	29.36 ug/ml	100
68) Carbazole	7.649	167	173655	29.80 ug/ml	99
69) Di-N-Butyl Phthalate	7.860	149	204347	35.90 ug/ml	99
70) Flouranthene	8.354	202	223089	35.99 ug/ml	98
73) Benzidine	8.457	184	54	N.D.	
74) Pyrene	8.549	202	231202	29.20 ug/ml	100
75) Butylbenzyl phthalate	9.179	149	98469	34.07 ug/ml	93
76) 3,3'-Dichlorobenzidine	9.868	252	2946m	1.30 ug/ml	
77) Benzo(a)anthracene	9.886	228	228293	31.35 ug/ml	97
78) Chrysene	9.938	228	223859	31.09 ug/ml	99
79) Bis(2-ethylhexyl)phtha...	9.951	149	151870	45.85 ug/ml	99
81) Di-n-octylphthalate	11.049	149	259471	46.60 ug/ml	91
82) Benzo(b)fluoranthene	11.635	252	247834	35.58 ug/ml	97
83) Benzo(k)fluoranthene	11.684	252	219603	31.76 ug/ml	96
84) Benzo(a)pyrene	12.237	252	213472	33.07 ug/ml	95
85) Indeno(1,2,3-cd)pyrene	14.307	276	205013	35.68 ug/ml	98
86) Dibenz(a,h)anthracene	14.353	278	205552	34.04 ug/ml	98
87) Benzo(g,h,i)perylene	14.682	276	205901	32.29 ug/ml	96
89) 1,4-Dioxane	2.455	88	8846	8.84 ug/ml	88
90) Benzaldehyde	4.412	106	43460	22.16 ug/ml	96
91) Benzyl Alcohol	4.779	108	41084	29.27 ug/ml	94
93) 2,6-Dichlorophenol	5.540	162	42198	24.66 ug/ml	95
94) Caprolactam	5.749	113	17526	27.33 ug/ml	97
96) 2,3,4,6-Tetrachlorophenol	6.783	230	17059	22.96 ug/ml	93
97) Atrazine	7.312	200	31974	35.47 ug/ml	99

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

Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330015.D
Acq On : 26 Nov 2025 6:38 pm
Operator : BGL
Sample : B418195-MS1@/K1213-13RE1 Inst : GCMSSV2
Misc :
ALS Vial : 15 Sample Multiplier: 1

767

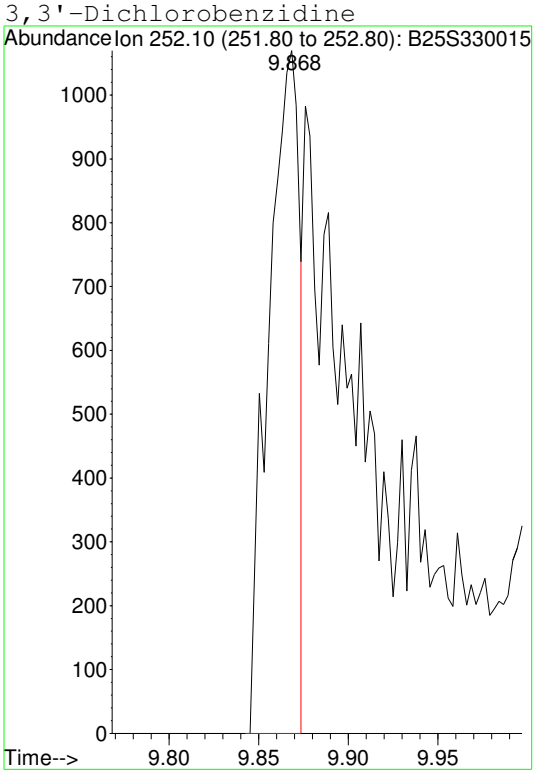
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Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330015.D
Acq On : 26 Nov 2025 6:38 pm
Operator : BGL
Sample : B418195-MS1@/K1213-13RE1
Misc :

Quant Time : Sun Nov 30 10:32:13 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
3,3'-Dichlorobenzidine



Original Int. Results

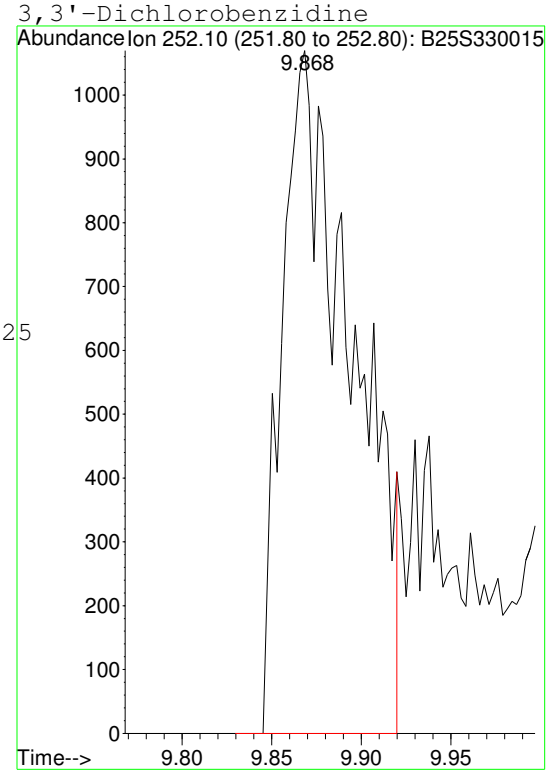
RT : 9.87
Area : 1275
Amount: 0.562554

Manual Int. Results

Sun Nov 30 10:32:13 2025

MIuser: BGL
Reason: Other
RT : 9.87
Area : 2946
Amount: 1.29983

Manual Integration
3,3'-Dichlorobenzidine



1 - FORM I
ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B418195-MS2	File ID:	B25S330017.D
Sampled:		Prepared:	11/25/25 08:43	Analyzed:	11/26/25 19:27
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.07 g / 1 mL				
Batch:	B418195	Sequence:	S129079	Calibration:	2500833
Instrument:	GCMSSV2				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol	0.740	0.057	0.80	MS-22, J
1912-24-9	Atrazine	0.885	0.056	0.80	V-06
100-52-7	Benzaldehyde	0.655	0.056	0.41	MS-09, V-05, V-3
92-52-4	Biphenyl	0.888	0.046	0.080	
105-60-2	Caprolactam	0.745	0.070	0.41	MS-22
83-32-9	Acenaphthene	0.805	0.0044	0.040	
208-96-8	Acenaphthylene	0.885	0.0050	0.040	
98-86-2	Acetophenone	0.814	0.043	0.41	
62-53-3	Aniline	0.327	0.077	0.41	S-09, V-05, V-34
120-12-7	Anthracene	0.817	0.0046	0.040	
56-55-3	Benzo(a)anthracene	0.910	0.0062	0.040	
50-32-8	Benzo(a)pyrene	0.935	0.013	0.040	
205-99-2	Benzo(b)fluoranthene	0.983	0.0098	0.040	
191-24-2	Benzo(g,h,i)perylene	0.892	0.016	0.040	
207-08-9	Benzo(k)fluoranthene	0.857	0.0082	0.040	
111-91-1	Bis(2-chloroethoxy)methane	0.820	0.041	0.41	
111-44-4	Bis(2-chloroethyl)ether	0.894	0.054	0.41	
108-60-1	2,2'-oxybis(1-Chloropropane)	1.13	0.16	0.41	R-06
117-81-7	Bis(2-Ethylhexyl)phthalate	1.16	0.055	0.41	R-06, V-06
101-55-3	4-Bromophenylphenylether	0.859	0.036	0.41	
85-68-7	Butylbenzylphthalate	0.968	0.046	0.41	
86-74-8	Carbazole	0.823	0.042	0.20	
106-47-8	4-Chloroaniline	0.403	0.065	0.79	MS-09, J
59-50-7	4-Chloro-3-methylphenol	0.813	0.043	0.79	
91-58-7	2-Chloronaphthalene	0.736	0.036	0.41	MS-09
95-57-8	2-Chlorophenol	0.783	0.036	0.41	
7005-72-3	4-Chlorophenylphenylether	0.828	0.037	0.41	
218-01-9	Chrysene	0.905	0.0052	0.040	
53-70-3	Dibenz(a,h)anthracene	0.874	0.018	0.040	

1 - FORM I
ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B418195-MS2	File ID:	B25S330017.D
Sampled:		Prepared:	11/25/25 08:43	Analyzed:	11/26/25 19:27
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.07 g / 1 mL				
Batch:	B418195	Sequence:	S129079	Calibration:	2500833
Instrument:	GCMSSV2				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
132-64-9	Dibenzofuran	0.835	0.040	0.41	
84-74-2	Di-n-butylphthalate	0.945	0.16	0.41	
91-94-1	3,3-Dichlorobenzidine	0.186	0.073	0.20	MS-09, J
120-83-2	2,4-Dichlorophenol	0.782	0.038	0.41	
84-66-2	Diethylphthalate	0.884	0.040	0.41	
105-67-9	2,4-Dimethylphenol	0.789	0.084	0.41	
131-11-3	Dimethylphthalate	0.863	0.036	0.41	
534-52-1	4,6-Dinitro-2-methylphenol	0.927	0.33	0.41	
51-28-5	2,4-Dinitrophenol	0.716	0.38	0.79	V-04, V-06, J
121-14-2	2,4-Dinitrotoluene	0.869	0.096	0.41	
606-20-2	2,6-Dinitrotoluene	0.892	0.051	0.41	
117-84-0	Di-n-octylphthalate	1.08	0.060	0.41	V-06
206-44-0	Fluoranthene	0.946	0.0056	0.040	MS-22
86-73-7	Fluorene	0.828	0.0048	0.040	
118-74-1	Hexachlorobenzene	0.879	0.041	0.41	
87-68-3	Hexachlorobutadiene	0.804	0.042	0.41	
77-47-4	Hexachlorocyclopentadiene	0.0911		0.41	MS-09, J
67-72-1	Hexachloroethane	0.658	0.037	0.41	MS-09
193-39-5	Indeno(1,2,3-cd)pyrene	0.975	0.016	0.040	
78-59-1	Isophorone	0.941	0.044	0.41	
90-12-0	1-Methylnaphthalene	0.783	0.0050	0.040	MS-22
91-57-6	2-Methylnaphthalene	0.720	0.0046	0.040	MS-09
95-48-7	2-Methylphenol	0.811	0.051	0.41	
108-39-4/106-44-5	3/4-Methylphenol	0.832	0.067	0.41	
91-20-3	Naphthalene	0.785	0.0058	0.040	MS-22
88-74-4	2-Nitroaniline	1.01	0.062	0.41	
99-09-2	3-Nitroaniline	0.649	0.053	0.41	MS-09
100-01-6	4-Nitroaniline	0.574	0.058	0.41	MS-09
98-95-3	Nitrobenzene	0.869	0.046	0.41	

1 - FORM I
ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B418195-MS2	File ID:	B25S330017.D
Sampled:		Prepared:	11/25/25 08:43	Analyzed:	11/26/25 19:27
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.07 g / 1 mL				
Batch:	B418195	Sequence:	S129079	Calibration:	2500833
Instrument:	GCMSSV2				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
88-75-5	2-Nitrophenol	0.819	0.042	0.41	
100-02-7	4-Nitrophenol	0.961	0.16	0.79	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine	0.854	0.053	0.41	
621-64-7	N-Nitrosodi-n-propylamine	0.926	0.050	0.41	
87-86-5	Pentachlorophenol	0.655	0.052	0.41	
85-01-8	Phenanthrene	0.864	0.0041	0.040	MS-22
108-95-2	Phenol	0.825	0.039	0.41	
129-00-0	Pyrene	0.881	0.0068	0.040	MS-22
110-86-1	Pyridine	0.527	0.052	0.41	MS-09
95-94-3	1,2,4,5-Tetrachlorobenzene	0.863	0.039	0.41	
95-95-4	2,4,5-Trichlorophenol	0.872	0.041	0.41	
88-06-2	2,4,6-Trichlorophenol	0.829	0.036	0.41	

Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330017.D
Acq On : 26 Nov 2025 7:27 pm
Operator : BGL
Sample : B418195-MS2@/K1213-14RE1 Inst : GCMSSV2
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 26 19:43:10 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.692	152	66225	40.00	ug/ml	-0.01
19) NAPHTHALENE-d8	5.491	136	263379	40.00	ug/ml	-0.01
35) ACENAPHTHENE-D10	6.582	164	134717	40.00	ug/ml	-0.01
58) PHENANTHRENE-D10	7.505	188	212940	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.902	240	196849	40.00	ug/ml	-0.01
80) PERYLENE-D12	12.350	264	222870	40.00	ug/ml	-0.01
88) 1,4-Dichlorobenzene-D4...	4.692	152	66225	40.00	ug/ml	-0.01
92) NAPHTHALENE-d8 (2)	5.491	136	263549	40.00	ug/ml	0.00
95) ACENAPHTHENE-D10 (2)	6.582	164	134657	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	3.843	112	152877	82.63	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 41.31%			
3) Phenol-d6	4.468	99	264865	86.82	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 43.41%			
20) Nitrobenzene-d5	5.041	82	112528	42.93	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 42.93%			
36) 2-Fluorobiphenyl	6.155	172	194555	43.75	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 43.75%			
37) 2,4,6-Tribromophenol	7.070	330	54573	91.21	ug/ml	-0.01
Spiked Amount 200.000	Range 30 - 130		Recovery = 45.60%			
72) p-Terphenyl-d14	8.678	244	174651	42.84	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 42.84%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.763	42	21080	17.88	ug/ml	85
5) Pyridine	2.794	79	37116	13.18	ug/ml	99
6) Aniline	4.483	93	33045m	8.18	ug/ml	
7) Phenol	4.476	94	69002	20.65	ug/ml#	61
8) Bis(2-chloroethyl)ether	4.522	63	38028	22.38	ug/ml	87
9) 2-Chlorophenol	4.563	128	51104	19.60	ug/ml	91
10) 1,3-Dichlorobenzene	4.656	146	46442	17.08	ug/ml	98
11) 1,4-Dichlorobenzene	4.702	146	48262	17.34	ug/ml	98
12) 1,2-Dichlorobenzene	4.800	146	47179	17.98	ug/ml	99
13) 2- METHYLPHENOL	4.854	108	48227	20.30	ug/ml	96
14) 2,2'-oxybis(1-chloropr...	4.859	45	78226	28.39	ug/ml	90
15) Acetophenone	4.944	105	69553	20.37	ug/ml	90
16) 3/4- METHYLPHENOL	4.949	107	55015	20.82	ug/ml#	67
17) N-Nitroso-Di-N-Propyla...	4.944	70	41071	23.17	ug/ml	94
18) Hexachloroethane	5.011	117	17558	16.46	ug/ml	98
21) NITROBENZENE	5.054	77	57449	21.76	ug/ml	92
22) Isophorone	5.201	82	104333	23.56	ug/ml	96
23) 2-Nitrophenol	5.252	139	26675	20.49	ug/ml	92
24) 2,4-Dimethylphenol	5.278	122	41518	19.74	ug/ml	95
25) Bis(2-Chloroethoxy)met...	5.332	93	59603	20.52	ug/ml	97
26) Benzoic Acid	5.327	122	23078	17.75	ug/ml	91
27) 2,4-Dichlorophenol	5.407	162	39238	19.58	ug/ml	98
28) 1,2,4-Trichlorobenzene	5.453	180	40560	18.91	ug/ml	99
29) Naphthalene	5.504	128	142233	19.64	ug/ml	100
30) 4-Chloroaniline	5.538	127	31495	10.08	ug/ml	94
31) Hexachlorobutadiene	5.576	225	21712	20.13	ug/ml	99
32) 4-Chloro-3-Methylphenol	5.836	107	42533	20.35	ug/ml	95
33) 2-MethylNaphthalene	5.934	142	88659	18.03	ug/ml	98
34) 1-Methylnaphthalene	5.995	142	90729	19.60	ug/ml	99
38) Hexachlorocyclopentadiene	6.026	237	2439	2.28	ug/ml	98
39) 1,2,4,5-Tetrachloroben...	6.037	216	40534	21.61	ug/ml	98
40) 2,4,6-Trichlorophenol	6.109	196	26351	20.76	ug/ml	99

Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330017.D
Acq On : 26 Nov 2025 7:27 pm
Operator : BGL
Sample : B418195-MS2@/K1213-14RE1 Inst : GCMSSV2
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 26 19:43:10 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

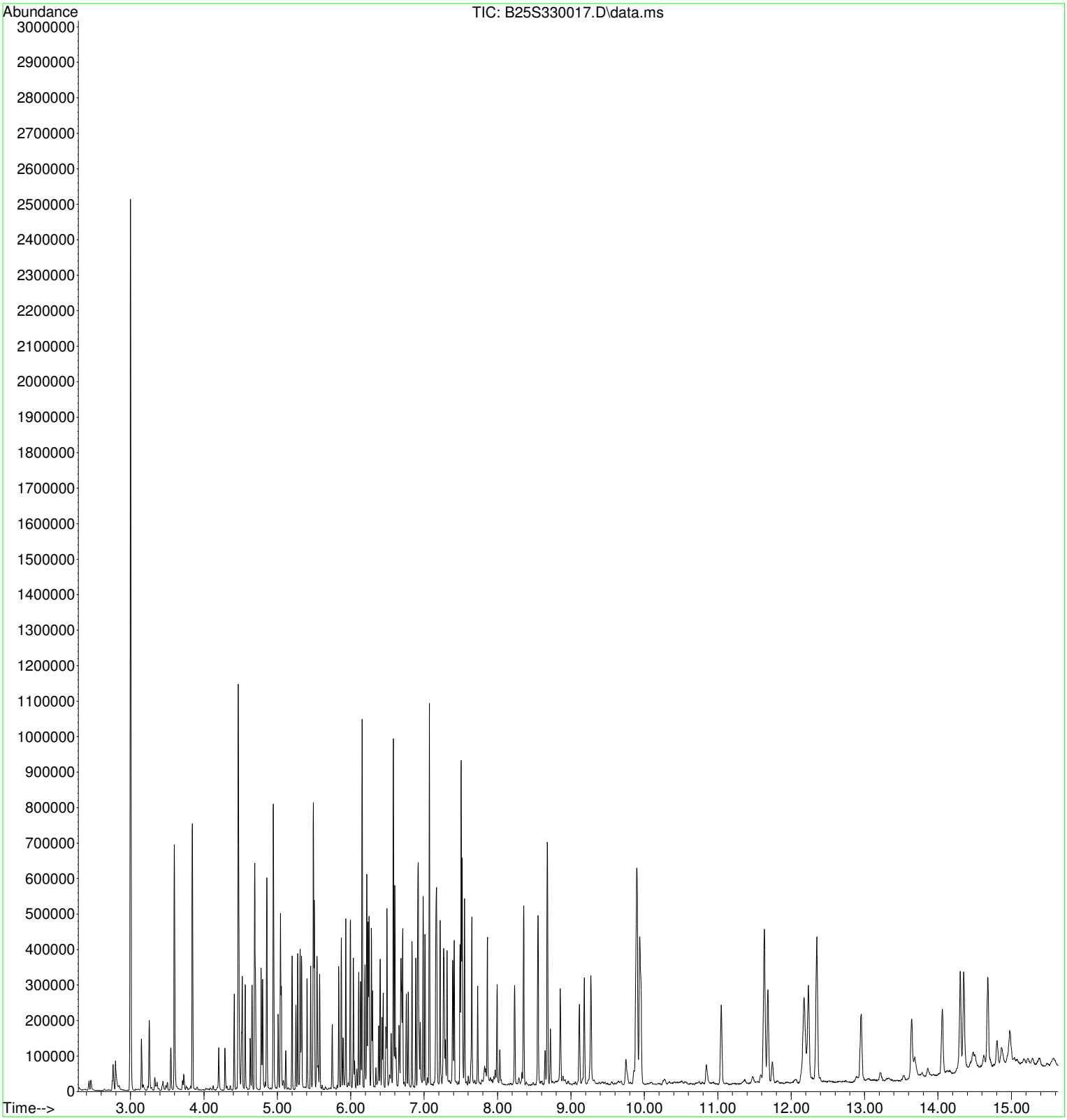
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 2,4,5-Trichlorophenol	6.134	196	29076	21.83 ug/ml	94
42) 2-ChloroNaphthalene	6.235	162	88218	18.41 ug/ml	97
43) 2-Nitroaniline	6.296	65	31059	25.30 ug/ml#	86
44) 1,1-Biphenyl	6.219	154	111931	22.23 ug/ml	98
45) DIMETHYL PHTHALATE	6.402	163	91257	21.59 ug/ml	99
46) 2,6-DinitroToluene	6.443	165	21770	22.32 ug/ml	90
47) Acenaphthylene	6.494	152	142830	22.15 ug/ml	100
48) 3-Nitroaniline	6.551	138	19576	16.25 ug/ml	90
49) Acenaphthene	6.600	154	87111	20.15 ug/ml	98
50) 2,4-Dinitrophenol	6.615	184	9441	17.93 ug/ml	93
51) 4-Nitrophenol	6.659	109	12541	24.06 ug/ml	90
52) Dibenzofuran	6.708	168	119245	20.89 ug/ml	98
53) 2,4-Dinitrotoluene	6.695	165	28634	21.75 ug/ml#	78
54) DIETHYL PHTHALATE	6.834	149	88735	22.13 ug/ml	99
55) 4-Chlorophenyl phenyl ...	6.914	204	41748	20.72 ug/ml	97
56) Flourene	6.919	166	98355	20.72 ug/ml	98
57) 4-Nitroaniline	6.929	138	19096	14.36 ug/ml	96
59) 4,6-Dinitro-2-Methylph...	6.947	198	14327	23.19 ug/ml	91
60) N-Nitrosodiphenylamine	6.986	169	78597	21.38 ug/ml	99
61) 1,2-Diphenylhydrazine	7.011	77	110392	24.98 ug/ml	96
62) 4-Bromophenyl phenyl e...	7.217	248	24544	21.49 ug/ml	97
63) Hexachlorobenzene	7.263	284	27884	22.01 ug/ml	96
64) Pentachlorophenol	7.387	266	13996	16.40 ug/ml	100
65) Pentachloronitrobenzene	7.392	295	4877	22.05 ug/ml	97
66) Phenanthrene	7.518	178	143795	21.62 ug/ml	100
67) Anthracene	7.551	178	135958	20.44 ug/ml	99
68) Carbazole	7.649	167	127391	20.61 ug/ml	100
69) Di-N-Butyl Phthalate	7.862	149	142723	23.64 ug/ml	99
70) Flouranthene	8.356	202	155622	23.67 ug/ml	98
73) Benzidine	8.431	184	29	N.D.	
74) Pyrene	8.552	202	159285	22.06 ug/ml	99
75) Butylbenzyl phthalate	9.182	149	63830	24.22 ug/ml	85
76) 3,3'-Dichlorobenzidine	9.858	252	9616	4.65 ug/ml	97
77) Benzo(a)anthracene	9.889	228	151239	22.77 ug/ml	97
78) Chrysene	9.935	228	148655	22.64 ug/ml	97
79) Bis(2-ethylhexyl)phtha...	9.953	149	87356	28.92 ug/ml	98
81) Di-n-octylphthalate	11.046	149	147735	27.03 ug/ml	89
82) Benzo(b)fluoranthene	11.638	252	168085	24.59 ug/ml	96
83) Benzo(k)fluoranthene	11.684	252	145471	21.44 ug/ml	96
84) Benzo(a)pyrene	12.237	252	148365	23.41 ug/ml	94
85) Indeno(1,2,3-cd)pyrene	14.304	276	137548	24.39 ug/ml	96
86) Dibenz(a,h)anthracene	14.353	278	129614	21.87 ug/ml	95
87) Benzo(g,h,i)perylene	14.680	276	139790	22.33 ug/ml	92
89) 1,4-Dioxane	2.460	88	9624	8.56 ug/ml	90
90) Benzaldehyde	4.414	106	36110	16.39 ug/ml	94
91) Benzyl Alcohol	4.779	108	35630	22.60 ug/ml	92
93) 2,6-Dichlorophenol	5.407	162	39238	18.21 ug/ml	94
94) Caprolactam	5.749	113	15058	18.64 ug/ml#	76
96) 2,3,4,6-Tetrachlorophenol	6.785	230	16083	18.51 ug/ml	98
97) Atrazine	7.312	200	23341	22.15 ug/ml	99

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

Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330017.D
Acq On : 26 Nov 2025 7:27 pm
Operator : BGL
Sample : B418195-MS2@/K1213-14RE1 Inst : GCMSSV2
Misc :
ALS Vial : 17 Sample Multiplier: 1

774

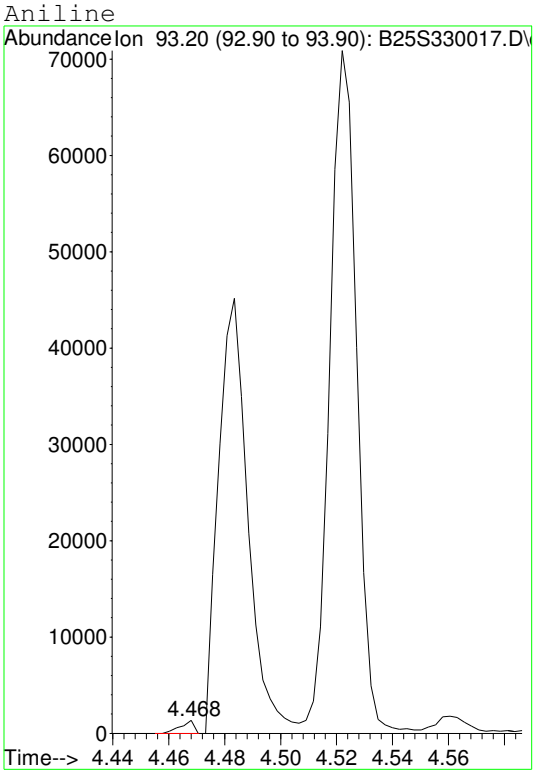
Quant Time: Nov 26 19:43:10 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330017.D
Acq On : 26 Nov 2025 7:27 pm
Operator : BGL
Sample : B418195-MS2@/K1213-14RE1
Misc :

Quant Time : Sun Nov 30 10:35:32 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Aniline



Original Int. Results

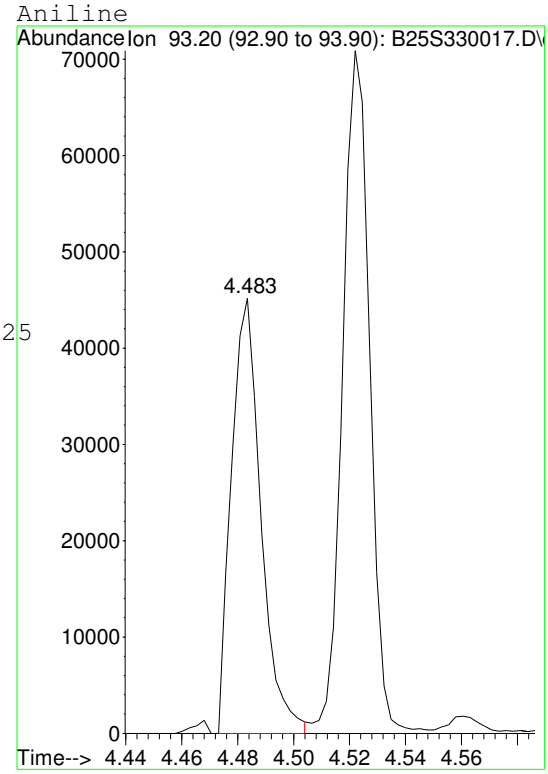
RT : 4.47
Area : 450
Amount: 0.111385

Manual Int. Results

Sun Nov 30 10:35:32 2025

MIuser: BGL
Reason: Other
RT : 4.48
Area : 33045
Amount: 8.17936

Manual Integration
Aniline



1 - FORM I
ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B418195-MSD1	File ID:	B25S330016.D
Sampled:		Prepared:	11/25/25 08:43	Analyzed:	11/26/25 19:02
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.42 g / 1 mL				
Batch:	B418195	Sequence:	S129079	Calibration:	2500833	Instrument:	GCMSSV2
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol	1.22	0.056	0.79	
1912-24-9	Atrazine	1.68	0.055	0.79	V-06
100-52-7	Benzaldehyde	1.05	0.055	0.40	V-05, V-34
92-52-4	Biphenyl	1.37	0.045	0.079	
105-60-2	Caprolactam	1.29	0.069	0.40	
83-32-9	Acenaphthene	1.28	0.0044	0.039	
208-96-8	Acenaphthylene	1.39	0.0049	0.039	
98-86-2	Acetophenone	1.21	0.042	0.40	
62-53-3	Aniline	0.680	0.075	0.40	09, R-06, V-05, V
120-12-7	Anthracene	1.33	0.0045	0.039	
56-55-3	Benzo(a)anthracene	1.37	0.0061	0.039	
50-32-8	Benzo(a)pyrene	1.45	0.013	0.039	
205-99-2	Benzo(b)fluoranthene	1.47	0.0097	0.039	
191-24-2	Benzo(g,h,i)perylene	1.31	0.015	0.039	
207-08-9	Benzo(k)fluoranthene	1.39	0.0080	0.039	
111-91-1	Bis(2-chloroethoxy)methane	1.26	0.041	0.40	
111-44-4	Bis(2-chloroethyl)ether	1.30	0.053	0.40	
108-60-1	2,2'-oxybis(1-Chloropropane)	1.65	0.16	0.40	R-06
117-81-7	Bis(2-Ethylhexyl)phthalate	1.79	0.054	0.40	V-06
101-55-3	4-Bromophenylphenylether	1.45	0.035	0.40	
85-68-7	Butylbenzylphthalate	1.47	0.045	0.40	
86-74-8	Carbazole	1.37	0.041	0.20	
106-47-8	4-Chloroaniline	0.669	0.064	0.78	MS-09, R-06, J
59-50-7	4-Chloro-3-methylphenol	1.31	0.042	0.78	
91-58-7	2-Chloronaphthalene	1.13	0.035	0.40	
95-57-8	2-Chlorophenol	1.17	0.035	0.40	
7005-72-3	4-Chlorophenylphenylether	1.41	0.037	0.40	
218-01-9	Chrysene	1.36	0.0051	0.039	
53-70-3	Dibenz(a,h)anthracene	1.37	0.018	0.039	

1 - FORM I
ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B418195-MSD1	File ID:	B25S330016.D
Sampled:		Prepared:	11/25/25 08:43	Analyzed:	11/26/25 19:02
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.42 g / 1 mL				
Batch:	B418195	Sequence:	S129079	Calibration:	2500833	Instrument:	GCMSSV2
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
132-64-9	Dibenzofuran	1.36	0.039	0.40	
84-74-2	Di-n-butylphthalate	1.53	0.15	0.40	
91-94-1	3,3-Dichlorobenzidine	0.158	0.071	0.20	MS-09, J
120-83-2	2,4-Dichlorophenol	1.26	0.037	0.40	
84-66-2	Diethylphthalate	1.46	0.039	0.40	
105-67-9	2,4-Dimethylphenol	1.32	0.083	0.40	
131-11-3	Dimethylphthalate	1.41	0.036	0.40	
534-52-1	4,6-Dinitro-2-methylphenol	1.33	0.33	0.40	R-06
51-28-5	2,4-Dinitrophenol	1.35	0.37	0.78	V-04, V-06
121-14-2	2,4-Dinitrotoluene	1.49	0.095	0.40	
606-20-2	2,6-Dinitrotoluene	1.51	0.050	0.40	
117-84-0	Di-n-octylphthalate	1.73	0.059	0.40	V-06
206-44-0	Fluoranthene	1.54	0.0055	0.039	
86-73-7	Fluorene	1.39	0.0047	0.039	
118-74-1	Hexachlorobenzene	1.51	0.040	0.40	
87-68-3	Hexachlorobutadiene	1.26	0.041	0.40	
77-47-4	Hexachlorocyclopentadiene	0.235	0.20	0.40	MS-09, J
67-72-1	Hexachloroethane	0.976	0.036	0.40	R-06
193-39-5	Indeno(1,2,3-cd)pyrene	1.43	0.016	0.039	
78-59-1	Isophorone	1.38	0.043	0.40	
90-12-0	1-Methylnaphthalene	1.22	0.0049	0.039	
91-57-6	2-Methylnaphthalene	1.11	0.0045	0.039	
95-48-7	2-Methylphenol	1.25	0.050	0.40	
108-39-4/106-44-5	3/4-Methylphenol	1.31	0.065	0.40	
91-20-3	Naphthalene	1.21	0.0057	0.039	
88-74-4	2-Nitroaniline	1.33	0.061	0.40	
99-09-2	3-Nitroaniline	1.37	0.052	0.40	
100-01-6	4-Nitroaniline	0.923	0.057	0.40	R-06
98-95-3	Nitrobenzene	1.21	0.045	0.40	

1 - FORM I
ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B418195-MSD1	File ID:	B25S330016.D
Sampled:		Prepared:	11/25/25 08:43	Analyzed:	11/26/25 19:02
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.42 g / 1 mL				
Batch:	B418195	Sequence:	S129079	Calibration:	2500833
Instrument:	GCMSSV2				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
88-75-5	2-Nitrophenol	1.25	0.041	0.40	
100-02-7	4-Nitrophenol	1.51	0.16	0.78	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine	1.33	0.052	0.40	
621-64-7	N-Nitrosodi-n-propylamine	1.29	0.049	0.40	
87-86-5	Pentachlorophenol	1.02	0.051	0.40	R-06
85-01-8	Phenanthrene	1.32	0.0040	0.039	
108-95-2	Phenol	1.30	0.038	0.40	
129-00-0	Pyrene	1.29	0.0067	0.039	
110-86-1	Pyridine	0.769	0.051	0.40	MS-09
95-94-3	1,2,4,5-Tetrachlorobenzene	1.38	0.038	0.40	
95-95-4	2,4,5-Trichlorophenol	1.43	0.041	0.40	
88-06-2	2,4,6-Trichlorophenol	1.26	0.035	0.40	

Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330016.D
Acq On : 26 Nov 2025 7:02 pm
Operator : BGL
Sample : B418195-MSD1 Inst : GCMSSV2
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 26 19:18:37 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.689	152	65020	40.00	ug/ml	-0.01
19) NAPHTHALENE-d8	5.492	136	258475	40.00	ug/ml	-0.01
35) ACENAPHTHENE-D10	6.582	164	127312	40.00	ug/ml	-0.01
58) PHENANTHRENE-D10	7.505	188	228052	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.902	240	238397	40.00	ug/ml	-0.01
80) PERYLENE-D12	12.350	264	265479	40.00	ug/ml	-0.01
88) 1,4-Dichlorobenzene-D4...	4.689	152	65020	40.00	ug/ml	-0.01
92) NAPHTHALENE-d8 (2)	5.492	136	258475	40.00	ug/ml	0.00
95) ACENAPHTHENE-D10 (2)	6.582	164	127315	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	3.841	112	234317	128.99	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 64.50%			
3) Phenol-d6	4.468	99	398365	133.00	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 66.50%			
20) Nitrobenzene-d5	5.042	82	163244	63.46	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 63.46%			
36) 2-Fluorobiphenyl	6.155	172	293094	69.73	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 69.73%			
37) 2,4,6-Tribromophenol	7.070	330	92948	164.39	ug/ml	-0.01
Spiked Amount 200.000	Range 30 - 130		Recovery = 82.19%			
72) p-Terphenyl-d14	8.678	244	358807	72.68	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 72.68%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.761	42	32619	28.17	ug/ml	85
5) Pyridine	2.791	79	54181	19.60	ug/ml	98
6) Aniline	4.481	93	68746	17.33	ug/ml#	1
7) Phenol	4.476	94	108478	33.07	ug/ml#	57
8) Bis(2-chloroethyl)ether	4.522	63	55256	33.12	ug/ml	92
9) 2-Chlorophenol	4.561	128	76497	29.89	ug/ml	95
10) 1,3-Dichlorobenzene	4.656	146	71517	26.80	ug/ml	99
11) 1,4-Dichlorobenzene	4.702	146	73707	26.97	ug/ml	99
12) 1,2-Dichlorobenzene	4.797	146	73271	28.44	ug/ml	99
13) 2- METHYLPHENOL	4.854	108	74448	31.92	ug/ml	94
14) 2,2'-oxybis(1-chloropr...	4.859	45	113383	41.92	ug/ml	93
15) Acetophenone	4.944	105	102940	30.71	ug/ml	87
16) 3/4- METHYLPHENOL	4.949	107	86511	33.34	ug/ml#	75
17) N-Nitroso-Di-N-Propyla...	4.944	70	57057	32.78	ug/ml	96
18) Hexachloroethane	5.011	117	26037	24.87	ug/ml	96
21) NITROBENZENE	5.054	77	79998	30.87	ug/ml	95
22) Isophorone	5.201	82	153082	35.22	ug/ml	98
23) 2-Nitrophenol	5.252	139	40704	31.86	ug/ml	95
24) 2,4-Dimethylphenol	5.278	122	69369	33.60	ug/ml	96
25) Bis(2-Chloroethoxy)met...	5.330	93	91380	32.06	ug/ml	96
26) Benzoic Acid	5.335	122	43499	34.09	ug/ml	90
27) 2,4-Dichlorophenol	5.404	162	63312	32.20	ug/ml	99
28) 1,2,4-Trichlorobenzene	5.453	180	63325	30.09	ug/ml	100
29) Naphthalene	5.504	128	218929	30.80	ug/ml	100
30) 4-Chloroaniline	5.538	127	52257	17.05	ug/ml	94
31) Hexachlorobutadiene	5.576	225	34066	32.18	ug/ml	100
32) 4-Chloro-3-Methylphenol	5.836	107	68451	33.37	ug/ml	98
33) 2-MethylNaphthalene	5.931	142	137014	28.39	ug/ml	98
34) 1-Methylnaphthalene	5.996	142	141023	31.05	ug/ml	99
38) Hexachlorocyclopentadiene	6.026	237	6062	5.99	ug/ml	97
39) 1,2,4,5-Tetrachloroben...	6.037	216	62336	35.16	ug/ml	99
40) 2,4,6-Trichlorophenol	6.109	196	38416	32.02	ug/ml	95

Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330016.D
Acq On : 26 Nov 2025 7:02 pm
Operator : BGL
Sample : B418195-MSD1 Inst : GCMSSV2
Misc :
ALS Vial : 16 Sample Multiplier: 1

780

Quant Time: Nov 26 19:18:37 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

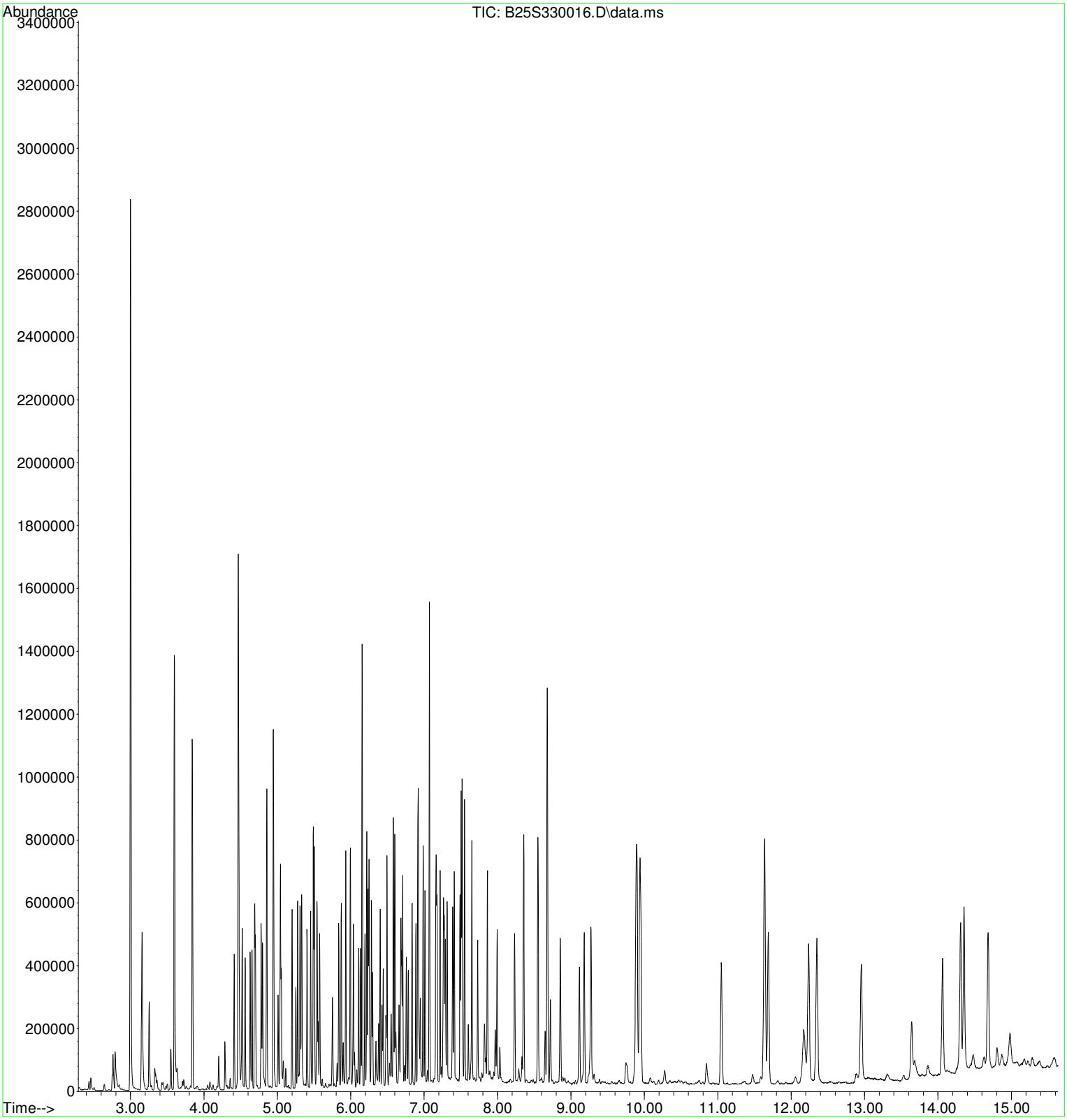
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 2,4,5-Trichlorophenol	6.134	196	45912	36.47 ug/ml	92
42) 2-ChloroNaphthalene	6.237	162	130172	28.74 ug/ml	98
43) 2-Nitroaniline	6.296	65	39306	33.88 ug/ml	95
44) 1,1-Biphenyl	6.219	154	165525	34.78 ug/ml	100
45) DIMETHYL PHTHALATE	6.402	163	143216	35.86 ug/ml	99
46) 2,6-DinitroToluene	6.443	165	35464	38.48 ug/ml	91
47) Acenaphthylene	6.494	152	215802	35.41 ug/ml	99
48) 3-Nitroaniline	6.551	138	39803	34.96 ug/ml#	50
49) Acenaphthene	6.600	154	133033	32.56 ug/ml	98
50) 2,4-Dinitrophenol	6.615	184	17058	34.29 ug/ml	88
51) 4-Nitrophenol	6.659	109	18906	38.38 ug/ml	94
52) Dibenzofuran	6.708	168	186764	34.61 ug/ml	97
53) 2,4-Dinitrotoluene	6.695	165	47217	37.95 ug/ml	95
54) DIETHYL PHTHALATE	6.836	149	140567	37.10 ug/ml	98
55) 4-Chlorophenyl phenyl ...	6.914	204	68464	35.95 ug/ml	98
56) Flourene	6.919	166	158571	35.34 ug/ml	100
57) 4-Nitroaniline	6.932	138	29534	23.50 ug/ml	91
59) 4,6-Dinitro-2-Methylph...	6.950	198	26546	33.76 ug/ml	94
60) N-Nitrosodiphenylamine	6.986	169	133348	33.86 ug/ml	99
61) 1,2-Diphenylhydrazine	7.011	77	145992	30.85 ug/ml	95
62) 4-Bromophenyl phenyl e...	7.217	248	45173	36.93 ug/ml	94
63) Hexachlorobenzene	7.263	284	52091	38.39 ug/ml	95
64) Pentachlorophenol	7.387	266	23687	25.92 ug/ml	99
65) Pentachloronitrobenzene	7.392	295	9588	40.49 ug/ml#	81
66) Phenanthrene	7.518	178	239825	33.66 ug/ml	99
67) Anthracene	7.551	178	241752	33.93 ug/ml	99
68) Carbazole	7.649	167	231261	34.94 ug/ml	99
69) Di-N-Butyl Phthalate	7.863	149	251244	38.85 ug/ml	99
70) Flouranthene	8.356	202	275846	39.17 ug/ml	99
73) Benzidine	8.454	184	41	N.D.	
74) Pyrene	8.549	202	286607	32.78 ug/ml	100
75) Butylbenzyl phthalate	9.182	149	119250	37.36 ug/ml	92
76) 3,3'-Dichlorobenzidine	9.866	252	10098	4.03 ug/ml	93
77) Benzo(a)anthracene	9.886	228	281478	35.00 ug/ml	97
78) Chrysene	9.938	228	275178	34.61 ug/ml	98
79) Bis(2-ethylhexyl)phtha...	9.953	149	166332	45.48 ug/ml	98
81) Di-n-octylphthalate	11.049	149	286562	44.02 ug/ml	98
82) Benzo(b)fluoranthene	11.640	252	305859	37.56 ug/ml	97
83) Benzo(k)fluoranthene	11.689	252	286367	35.43 ug/ml	98
84) Benzo(a)pyrene	12.239	252	279744	37.06 ug/ml	97
85) Indeno(1,2,3-cd)pyrene	14.309	276	245216	36.50 ug/ml	96
86) Dibenz(a,h)anthracene	14.356	278	246564	34.92 ug/ml	97
87) Benzo(g,h,i)perylene	14.685	276	249409	33.45 ug/ml	93
89) 1,4-Dioxane	2.460	88	13013	11.79 ug/ml	97
90) Benzaldehyde	4.411	106	58114	26.86 ug/ml	96
91) Benzyl Alcohol	4.779	108	54928	35.48 ug/ml	93
93) 2,6-Dichlorophenol	5.404	162	63312	29.96 ug/ml	96
94) Caprolactam	5.751	113	26012	32.84 ug/ml	82
96) 2,3,4,6-Tetrachlorophenol	6.785	230	25441	30.97 ug/ml	97
97) Atrazine	7.312	200	42757	42.91 ug/ml	99

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

Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330016.D
Acq On : 26 Nov 2025 7:02 pm
Operator : BGL
Sample : B418195-MSD1 Inst : GCMSSV2
Misc :
ALS Vial : 16 Sample Multiplier: 1

781

Quant Time: Nov 26 19:18:37 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration



1 - FORM I
ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B418195-MSD2	File ID:	B25S330018.D
Sampled:		Prepared:	11/25/25 08:43	Analyzed:	11/26/25 19:52
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.09 g / 1 mL				
Batch:	B418195	Sequence:	S129079	Calibration:	2500833	Instrument:	GCMSSV2
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol	0.861	0.057	0.80	
1912-24-9	Atrazine	1.11	0.056	0.80	V-06
100-52-7	Benzaldehyde	0.727	0.056	0.41	'-05, MS-09, V-3
92-52-4	Biphenyl	0.928	0.046	0.080	
105-60-2	Caprolactam	0.813	0.070	0.41	
83-32-9	Acenaphthene	0.871	0.0044	0.040	
208-96-8	Acenaphthylene	0.956	0.0050	0.040	
98-86-2	Acetophenone	0.732	0.043	0.41	MS-22
62-53-3	Aniline	0.402	0.077	0.41	S-09, V-05, V-34
120-12-7	Anthracene	0.883	0.0046	0.040	
56-55-3	Benzo(a)anthracene	0.969	0.0062	0.040	
50-32-8	Benzo(a)pyrene	0.999	0.013	0.040	
205-99-2	Benzo(b)fluoranthene	1.03	0.0098	0.040	
191-24-2	Benzo(g,h,i)perylene	0.908	0.016	0.040	
207-08-9	Benzo(k)fluoranthene	0.944	0.0081	0.040	
111-91-1	Bis(2-chloroethoxy)methane	0.801	0.041	0.41	
111-44-4	Bis(2-chloroethyl)ether	0.857	0.054	0.41	
108-60-1	2,2'-oxybis(1-Chloropropane)	0.781	0.16	0.41	MS-23
117-81-7	Bis(2-Ethylhexyl)phthalate	2.15	0.055	0.41	R-06, V-06
101-55-3	4-Bromophenylphenylether	0.906	0.036	0.41	
85-68-7	Butylbenzylphthalate	1.01	0.046	0.41	
86-74-8	Carbazole	0.971	0.042	0.20	
106-47-8	4-Chloroaniline	0.492	0.065	0.79	MS-09, J
59-50-7	4-Chloro-3-methylphenol	0.856	0.043	0.79	
91-58-7	2-Chloronaphthalene	0.768	0.036	0.41	MS-09
95-57-8	2-Chlorophenol	0.795	0.036	0.41	
7005-72-3	4-Chlorophenylphenylether	0.910	0.037	0.41	
218-01-9	Chrysene	0.940	0.0052	0.040	
53-70-3	Dibenz(a,h)anthracene	0.937	0.018	0.040	

1 - FORM I
ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B418195-MSD2	File ID:	B25S330018.D
Sampled:		Prepared:	11/25/25 08:43	Analyzed:	11/26/25 19:52
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.09 g / 1 mL				
Batch:	B418195	Sequence:	S129079	Calibration:	2500833
Column:	1				

Instrument: GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
132-64-9	Dibenzofuran	0.915	0.040	0.41	
84-74-2	Di-n-butylphthalate	1.07	0.16	0.41	
91-94-1	3,3-Dichlorobenzidine	0.160	0.073	0.20	MS-09, J
120-83-2	2,4-Dichlorophenol	0.876	0.038	0.41	
84-66-2	Diethylphthalate	0.936	0.040	0.41	
105-67-9	2,4-Dimethylphenol	0.838	0.084	0.41	
131-11-3	Dimethylphthalate	0.909	0.036	0.41	
534-52-1	4,6-Dinitro-2-methylphenol	0.971	0.33	0.41	
51-28-5	2,4-Dinitrophenol	0.844	0.38	0.79	V-04, V-06
121-14-2	2,4-Dinitrotoluene	0.987	0.096	0.41	
606-20-2	2,6-Dinitrotoluene	0.992	0.051	0.41	
117-84-0	Di-n-octylphthalate	1.09	0.060	0.41	V-06
206-44-0	Fluoranthene	1.14	0.0056	0.040	
86-73-7	Fluorene	0.929	0.0048	0.040	
118-74-1	Hexachlorobenzene	0.983	0.041	0.41	
87-68-3	Hexachlorobutadiene	0.887	0.042	0.41	
77-47-4	Hexachlorocyclopentadiene	0.0487		0.41	MS-09, J
67-72-1	Hexachloroethane	0.580	0.037	0.41	MS-09
193-39-5	Indeno(1,2,3-cd)pyrene	1.01	0.016	0.040	
78-59-1	Isophorone	0.882	0.043	0.41	
90-12-0	1-Methylnaphthalene	0.837	0.0050	0.040	
91-57-6	2-Methylnaphthalene	0.785	0.0046	0.040	MS-09
95-48-7	2-Methylphenol	0.723	0.051	0.41	
108-39-4/106-44-5	3/4-Methylphenol	0.766	0.066	0.41	
91-20-3	Naphthalene	0.847	0.0057	0.040	
88-74-4	2-Nitroaniline	0.881	0.062	0.41	
99-09-2	3-Nitroaniline	0.724	0.053	0.41	MS-09
100-01-6	4-Nitroaniline	0.642	0.057	0.41	MS-09
98-95-3	Nitrobenzene	0.819	0.046	0.41	

1 - FORM I
ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Pace New England			Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B418195-MSD2	File ID:	B25S330018.D
Sampled:		Prepared:	11/25/25 08:43	Analyzed:	11/26/25 19:52
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.09 g / 1 mL				
Batch:	B418195	Sequence:	S129079	Calibration:	2500833
Instrument:	GCMSSV2				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
88-75-5	2-Nitrophenol	0.907	0.042	0.41	
100-02-7	4-Nitrophenol	1.05	0.16	0.79	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine	0.869	0.053	0.41	
621-64-7	N-Nitrosodi-n-propylamine	0.730	0.050	0.41	MS-22
87-86-5	Pentachlorophenol	0.676	0.052	0.41	
85-01-8	Phenanthrene	0.910	0.0041	0.040	
108-95-2	Phenol	0.858	0.039	0.41	
129-00-0	Pyrene	0.922	0.0068	0.040	
110-86-1	Pyridine	0.578	0.052	0.41	MS-09
95-94-3	1,2,4,5-Tetrachlorobenzene	0.921	0.039	0.41	
95-95-4	2,4,5-Trichlorophenol	0.965	0.041	0.41	
88-06-2	2,4,6-Trichlorophenol	0.888	0.036	0.41	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330018.D
Acq On : 26 Nov 2025 7:52 pm
Operator : BGL
Sample : B418195-MSD2 Inst : GCMSSV2
Misc :
ALS Vial : 18 Sample Multiplier: 1

785

Quant Time: Nov 26 20:07:48 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.692	152	62624	40.00	ug/ml	-0.01
19) NAPHTHALENE-d8	5.491	136	218488	40.00	ug/ml	-0.01
35) ACENAPHTHENE-D10	6.582	164	116725	40.00	ug/ml	-0.01
58) PHENANTHRENE-D10	7.505	188	209850	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.902	240	227302	40.00	ug/ml	-0.01
80) PERYLENE-D12	12.355	264	253771	40.00	ug/ml	0.00
88) 1,4-Dichlorobenzene-D4...	4.692	152	62624	40.00	ug/ml	-0.01
92) NAPHTHALENE-d8 (2)	5.491	136	218488	40.00	ug/ml	0.00
95) ACENAPHTHENE-D10 (2)	6.582	164	116701	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	3.843	112	152845	87.36	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 43.68%			
3) Phenol-d6	4.468	99	252399	87.49	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 43.74%			
20) Nitrobenzene-d5	5.041	82	88632	40.76	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 40.76%			
36) 2-Fluorobiphenyl	6.155	172	177611	46.09	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 46.09%			
37) 2,4,6-Tribromophenol	7.070	330	55735	107.51	ug/ml	-0.01
Spiked Amount 200.000	Range 30 - 130		Recovery = 53.75%			
72) p-Terphenyl-d14	8.678	244	217951	46.30	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 46.30%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.763	42	22984	20.61	ug/ml	87
5) Pyridine	2.794	79	38551	14.48	ug/ml	98
6) Aniline	4.483	93	38512	10.08	ug/ml#	1
7) Phenol	4.476	94	67916	21.50	ug/ml#	61
8) Bis(2-chloroethyl)ether	4.522	63	34504	21.47	ug/ml	94
9) 2-Chlorophenol	4.563	128	49083	19.91	ug/ml	95
10) 1,3-Dichlorobenzene	4.656	146	47779	18.59	ug/ml	100
11) 1,4-Dichlorobenzene	4.702	146	50252	19.09	ug/ml	99
12) 1,2-Dichlorobenzene	4.800	146	47641	19.20	ug/ml	100
13) 2- METHYLPHENOL	4.854	108	40681	18.11	ug/ml	96
14) 2,2'-oxybis(1-chloropr...	4.859	45	50955	19.56	ug/ml	97
15) Acetophenone	4.944	105	59150	18.32	ug/ml#	84
16) 3/4- METHYLPHENOL	4.949	107	47966	19.19	ug/ml#	75
17) N-Nitroso-Di-N-Propyla...	4.944	70	30657	18.29	ug/ml	97
18) Hexachloroethane	5.010	117	14656	14.53	ug/ml	93
21) NITROBENZENE	5.054	77	44904	20.50	ug/ml	99
22) Isophorone	5.201	82	81197	22.10	ug/ml	98
23) 2-Nitrophenol	5.252	139	24542	22.72	ug/ml	97
24) 2,4-Dimethylphenol	5.278	122	36632	20.99	ug/ml	94
25) Bis(2-Chloroethoxy)met...	5.332	93	48313	20.05	ug/ml	98
26) Benzoic Acid	5.327	122	19910	18.46	ug/ml	99
27) 2,4-Dichlorophenol	5.407	162	36462	21.94	ug/ml	96
28) 1,2,4-Trichlorobenzene	5.455	180	37728	21.21	ug/ml	98
29) Naphthalene	5.504	128	127440	21.21	ug/ml	100
30) 4-Chloroaniline	5.535	127	31947	12.33	ug/ml	97
31) Hexachlorobutadiene	5.576	225	19880	22.21	ug/ml	98
32) 4-Chloro-3-Methylphenol	5.836	107	37151	21.43	ug/ml	97
33) 2-MethylNaphthalene	5.934	142	80210	19.66	ug/ml	98
34) 1-Methylnaphthalene	5.993	142	80428	20.95	ug/ml	99
38) Hexachlorocyclopentadiene	6.029	237	1129	1.22	ug/ml	97
39) 1,2,4,5-Tetrachloroben...	6.037	216	37507	23.07	ug/ml	98
40) 2,4,6-Trichlorophenol	6.109	196	24477	22.25	ug/ml	99

Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330018.D
Acq On : 26 Nov 2025 7:52 pm
Operator : BGL
Sample : B418195-MSD2 Inst : GCMSSV2
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 26 20:07:48 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

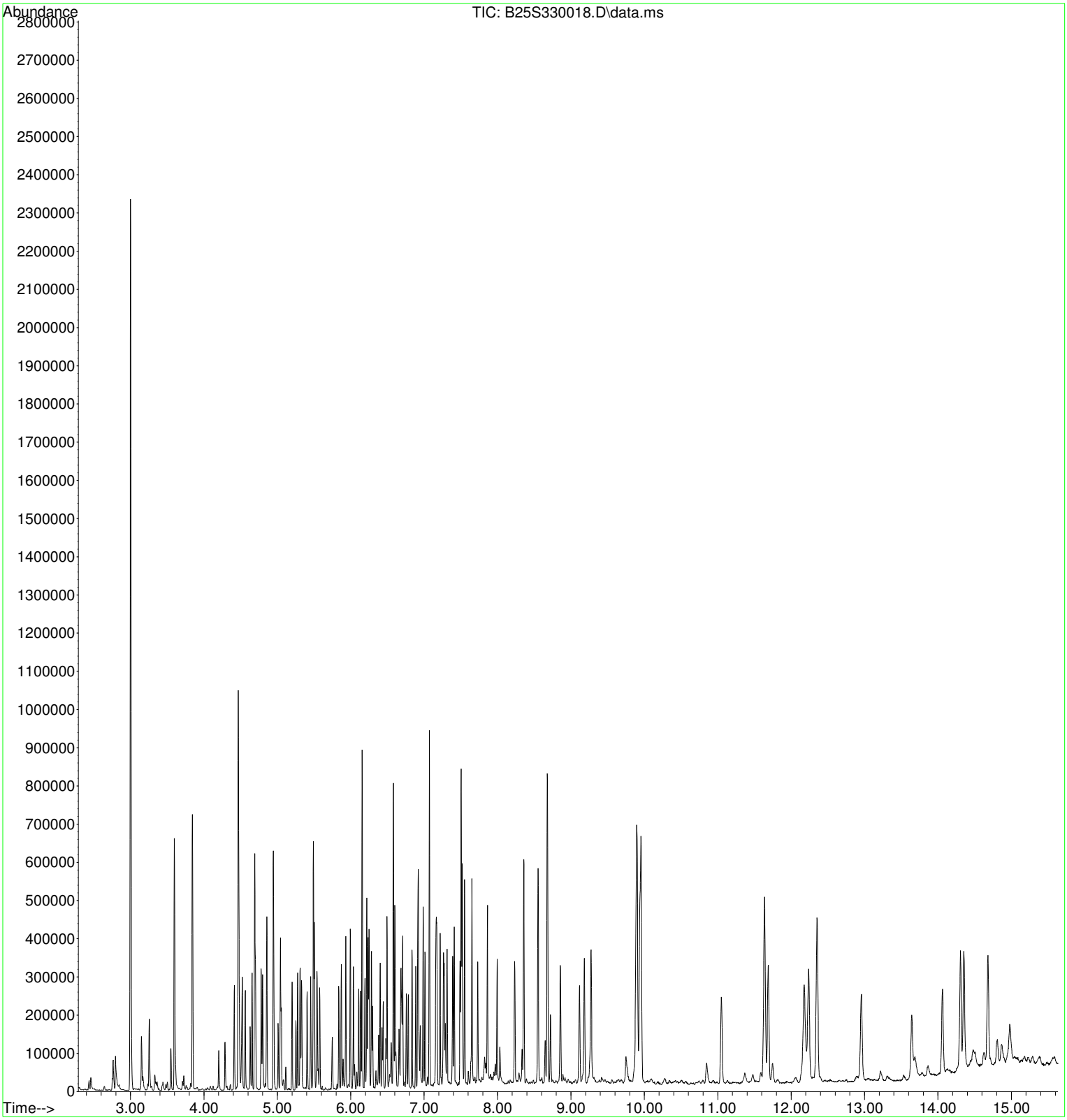
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 2,4,5-Trichlorophenol	6.134	196	27897	24.17	ug/ml	93
42) 2-ChloroNaphthalene	6.237	162	79854	19.23	ug/ml	98
43) 2-Nitroaniline	6.296	65	23469	22.06	ug/ml	96
44) 1,1-Biphenyl	6.219	154	101350	23.23	ug/ml	99
45) DIMETHYL PHTHALATE	6.402	163	83340	22.76	ug/ml	99
46) 2,6-DinitroToluene	6.443	165	20997	24.85	ug/ml	93
47) Acenaphthylene	6.494	152	133804	23.95	ug/ml	100
48) 3-Nitroaniline	6.551	138	18926	18.13	ug/ml#	75
49) Acenaphthene	6.602	154	81695	21.81	ug/ml	98
50) 2,4-Dinitrophenol	6.615	184	9641	21.14	ug/ml#	90
51) 4-Nitrophenol	6.659	109	11849	26.24	ug/ml	96
52) Dibenzofuran	6.708	168	113366	22.92	ug/ml	97
53) 2,4-Dinitrotoluene	6.692	165	28199	24.72	ug/ml	95
54) DIETHYL PHTHALATE	6.834	149	81424	23.44	ug/ml	98
55) 4-Chlorophenyl phenyl ...	6.913	204	39794	22.79	ug/ml	99
56) Flourene	6.921	166	95737	23.27	ug/ml	99
57) 4-Nitroaniline	6.929	138	18527	16.08	ug/ml	90
59) 4,6-Dinitro-2-Methylph...	6.947	198	15220	24.32	ug/ml	94
60) N-Nitrosodiphenylamine	6.985	169	78868	21.77	ug/ml	99
61) 1,2-Diphenylhydrazine	7.011	77	87533	20.10	ug/ml	95
62) 4-Bromophenyl phenyl e...	7.217	248	25527	22.68	ug/ml	96
63) Hexachlorobenzene	7.263	284	30739	24.62	ug/ml	95
64) Pentachlorophenol	7.387	266	14247	16.94	ug/ml	99
65) Pentachloronitrobenzene	7.392	295	5396	24.76	ug/ml#	86
66) Phenanthrene	7.520	178	149433	22.80	ug/ml	99
67) Anthracene	7.551	178	144983	22.11	ug/ml	99
68) Carbazole	7.651	167	148152	24.32	ug/ml	99
69) Di-N-Butyl Phthalate	7.862	149	159405	26.79	ug/ml	100
70) Flouranthene	8.356	202	184403	28.46	ug/ml	99
73) Benzidine	8.510	184	24	N.D.		
74) Pyrene	8.552	202	192573	23.10	ug/ml	99
75) Butylbenzyl phthalate	9.184	149	77242	25.38	ug/ml	89
76) 3,3'-Dichlorobenzidine	9.860	252	9547	4.00	ug/ml	97
77) Benzo(a)anthracene	9.889	228	186083	24.27	ug/ml	98
78) Chrysene	9.938	228	178485	23.54	ug/ml	98
79) Bis(2-ethylhexyl)phtha...	9.956	149	187698	53.82	ug/ml	100
81) Di-n-octylphthalate	11.051	149	170002	27.32	ug/ml	97
82) Benzo(b)fluoranthene	11.637	252	200421	25.75	ug/ml	98
83) Benzo(k)fluoranthene	11.689	252	182626	23.63	ug/ml	98
84) Benzo(a)pyrene	12.239	252	180547	25.02	ug/ml	96
85) Indeno(1,2,3-cd)pyrene	14.307	276	162502	25.31	ug/ml	97
86) Dibenz(a,h)anthracene	14.353	278	158432	23.47	ug/ml	98
87) Benzo(g,h,i)perylene	14.682	276	162015	22.73	ug/ml	95
89) 1,4-Dioxane	2.459	88	10574	9.95	ug/ml	91
90) Benzaldehyde	4.414	106	37922	18.20	ug/ml	95
91) Benzyl Alcohol	4.779	108	34586	23.20	ug/ml	94
93) 2,6-Dichlorophenol	5.543	162	34461	19.29	ug/ml	93
94) Caprolactam	5.749	113	13623	20.35	ug/ml	97
96) 2,3,4,6-Tetrachlorophenol	6.785	230	16234	21.56	ug/ml	94
97) Atrazine	7.312	200	25329	27.73	ug/ml	100

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

Data Path : C:\msdchem\1\data\B112625\
Data File : B25S330018.D
Acq On : 26 Nov 2025 7:52 pm
Operator : BGL
Sample : B418195-MSD2 Inst : GCMSSV2
Misc :
ALS Vial : 18 Sample Multiplier: 1

787

Quant Time: Nov 26 20:07:48 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration



PREPARATION BENCH SHEET

Printed: 11/20/2025 3:29:48PM

Analysis
8270 DER TCL

788

Matrix: Soil

B417934

Pace New England

Prepared using: SW-846 3546

Surrogate Solution
25J0656 Semi Surrogate 100-200ppm

Spiking Solution
25K0100 8270/Svoa Spike-50 ppm

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
B417934-BLK1	Blank			mm 11/24/25		30.09	1.0		1000		
B417934-BS1	LCS					30.09		1000	1000		
B417934-BSD1	LCS Dup					30.09		1000	1000		
B417934-MS1	Matrix Spike [25K1213-13]			MEF 11/24/25		30.07	1.0	1000	1000		
B417934-MS2	Matrix Spike [25K1213-14]					30.07		1000	1000		
B417934-MSD1	Matrix Spike Dup [25K1213-13]					30.08		1000	1000		
B417934-MSD2	Matrix Spike Dup [25K1213-14]					30.07		1000	1000		
25K1213-01	C-2 (0-2in)	12/01/25	12/01/25	mm 11/24/25		30.08	1.0		1000	organic material	5
25K1213-02	C-2 (2-12in)	12/01/25	12/01/25	MEF 11/24/25		30.08	1.0		1000	organic material	5
25K1213-03	C-3 (0-2in)	12/01/25	12/01/25			30.08			1000	clay	5
25K1213-04	C-3 (2-12in)	12/01/25	12/01/25			30.05			1000	rocky	5
25K1213-05	E-4 (0-2in)	12/01/25	12/01/25			30.09			1000	clay, rooty	5
25K1213-06	E-4 (2-12in)	12/01/25	12/01/25			30.06			1000	clay, rocky	5
25K1213-07	E-1 (0-2in)	12/01/25	12/01/25			30.06			1000	clay	5
25K1213-08	E-1 (2-12in)	12/01/25	12/01/25	MM 11/24/25		30.06	1.0		1000	organic material	5
25K1213-09	C-1 (0-2in)	12/01/25	12/01/25			30.05			1000	organic material	5
25K1213-10	C-1 (2-12in)	12/01/25	12/01/25			30.07			1000	organic material	5
25K1213-11	B-1 (0-2in)	12/01/25	12/01/25			30.07			1000	organic material	5
25K1213-12	B-1 (2-12in)	12/01/25	12/01/25			30.09			1000	organic material	5

50K

BA BEF 11/20/25
Spikedby/Witnessed By Date

BA 11/20/25
Extracted By Date

C:\ELMNT\Print\bch_DEF_EXT_TAT.rpt

PREPARATION BENCH SHEET

Printed: 11/20/2025 3:29:48PM

Analysis
8270 DER TCL

789

B417934

Pace New England

Prepared using: SW-846 3546

Surrogate Solution
25J0656 Semi Surrogate 100-200ppm

Spiking Solution
25K0100 8270/Svoa Spike-50 ppm

Matrix: Soil

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
25K1213-13	B-2 (0-2in)	12/01/25	12/01/25	MEF 11/24/25		30.04	1.0		1000	organic material	5
25K1213-14	B-2 (2-12in)	12/01/25	12/01/25	"		30.08	"		1000	organic material	5
25K1213-15	Dup-1	12/01/25	12/01/25	MEF 11/24/25		15.10	1.0		1000	clay, wet	5
25K1213-16	Dup-2	12/01/25	12/01/25	"		30.06	"		1000	organic material	5

FROM B417763

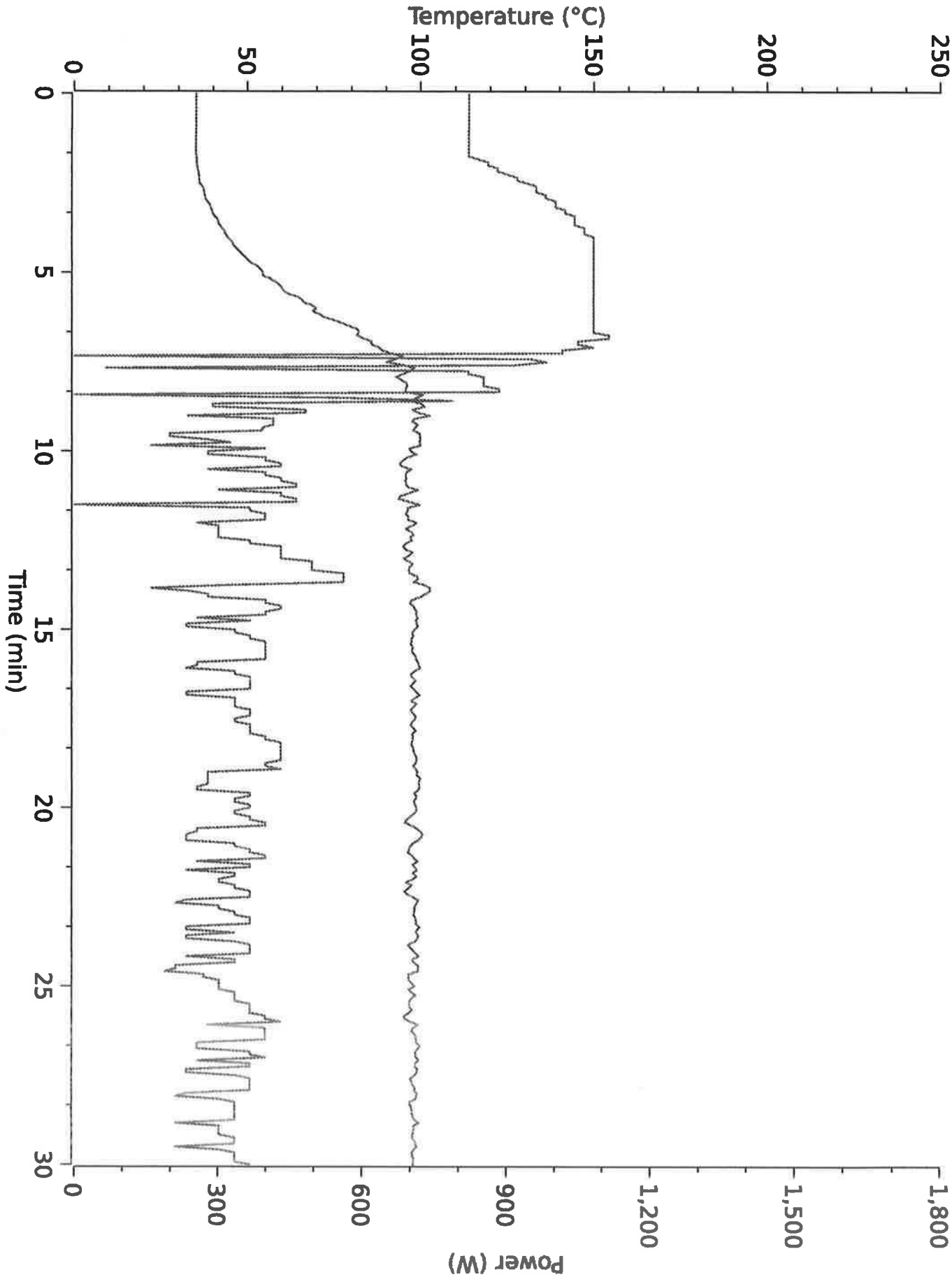
Start Date/Time _____

StopDate/Time _____

Standard ID#	Description
25J0102	Filter Paper (Fisher) 15.0cm
25J0524	Methylene Chloride (200 L Drum)
25K0107	Acetone
25K0172	Sodium Sulfate (Baked)

Spikedby/Witnessed By _____ Date _____

Extracted By _____ Date _____


Temperature (°C)
0
50
100
150
200
250
Time (min)
0
5
10
15
20
25
30
Power (W)
0
300
600
900
1,200
1,500
1,800

PREPARATION BENCH SHEET

Printed: 11/25/2025 9:26:30AM

Analysis
8270 CP-51
8270 DER TCL
8270 MA MCP

B418195

Pace New England

Prepared using: SW-846 3546

Surrogate Solution
25K0485 Semi Surrogate 100-200ppm

Spiking Solution
25K0512 8270/Svoa Spike-50 ppm

Matrix: Soil

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments
B418195-BLK1	Blank			MM 11/24/25		30.02	1.0		1000	Shared w/ B418194
B418195-BS1	LCS B 11/26					30.08		1000	1000	
B418195-BSD1	LCS Dup					30.03		1000	1000	
B418195-MS1	Matrix Spike [25K1213-13RE1]					30.47		1006	1000	Roots, Grass
B418195-MS2	Matrix Spike [25K1213-14RE1] DER					30.07		1000	1000	
B418195-MSD1	Matrix Spike Dup [25K1213-13RE1]					30.42		1000	1000	Roots, Grass
B418195-MSD2	Matrix Spike Dup [25K1213-14RE1]					30.09		1000	1000	
25K1213-13RE1	B-2 (0-2in) ELK		11/17/25			30.46		1000	1000	Added for BatchQC in: B418195 Roots, Grass
25K1213-13RE1	B-2 (0-2in)		11/17/25			—			1000	Added for BatchQC in: B418195
25K1213-13RE1	B-2 (0-2in)	12/01/25	12/01/25			—			1000	Re-extr SS%R LOW MS/D REQ added 11/25/2025 by BGL
25K1213-14RE1	B-2 (2-12in) DER	12/01/25	12/01/25			30.14			1000	Re-ext MS/D low%r REQ-11/25/2025 by BGL
25K1213-14RE1	B-2 (2-12in)		11/17/25			—			1000	Added for BatchQC in: B418195
25K1213-14RE1	B-2 (2-12in)		11/17/25			—			1000	Added for BatchQC in: B418195
25K1441-01	UST004-Bottom CP-51	12/10/25	12/02/25			30.21			1000	Rocky
25K1441-02	UST004-North Wall	12/10/25	12/02/25			30.11			1000	
25K1441-03	UST004-East Wall	12/10/25	12/02/25	"		30.02	"		1000	
25K1441-04	UST004-West Wall	12/10/25	12/02/25	DR 12/2/25		30.04	1.0		1000	
25K1441-05	UST003-Bottom	12/10/25	12/02/25	"		30.05	"		1000	Rocky

791

B-Ext-028

Spikedby/Witnessed By BMO JEM Date 11/25/25

Extracted By BMO Date 11/25/25

PREPARATION BENCH SHEET

Printed: 11/25/2025 9:26:30AM

Analysis
8270 CP-51
8270 DER TCL
8270 MA MCP

B418195

Pace New England

Prepared using: SW-846 3546

Surrogate Solution
25K0485 Semi Surrogate 100-200ppm

Spiking Solution
25K0512 8270/Svoa Spike-50 ppm

Matrix: Soil

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments
25K1441-06	UST003-East Wall	12/10/25	12/02/25			30.00	1.0		1000	Rocky
25K1441-07	UST003-West Wall	12/10/25	12/02/25			30.06			1000	Rocky
25K1441-08	UST002-Bottom	12/10/25	12/02/25			30.20			1000	Rocky
25K1441-09	UST002-East Wall	12/10/25	12/02/25			30.10			1000	
25K1441-10	UST002-West Wall	12/10/25	12/02/25			30.11			1000	wet, Muddy
25K1441-11	Dispenser NE	12/10/25	12/02/25			30.12			1000	
25K1441-12	Dispenser NW	12/10/25	12/02/25			30.07			1000	Rocky
25K1578-01	SP-4 mcp	12/10/25	12/07/25	BMO 12/1/25		30.19	1.0mL		1000	20x Rule. Shared w/ B418194 Roots
25K1578-02	SP-4A	12/10/25	12/07/25	DK 12/1/25		30.10	1.0		1000	20x Rule. Shared w/ B418194 Rocky
25K1579-01	SP-2	12/10/25	12/05/25	BMO 12/1/25		30.04	1.0mL		1000	20x Rule. Shared w/ B418194
25K1579-02	SP-2A	12/10/25	12/05/25			30.01			1000	20x Rule. Shared w/ B418194
25K1580-01	SP-1A	12/10/25	12/05/25	DK 12/1/25		30.03	1.0		1000	20x Rule. Shared w/ B418194 Rocky
25K1581-01	SP-3	12/10/25	12/05/25			30.07			1000	20x Rule. Shared w/ B418194

Start Date/Time _____

StopDate/Time _____

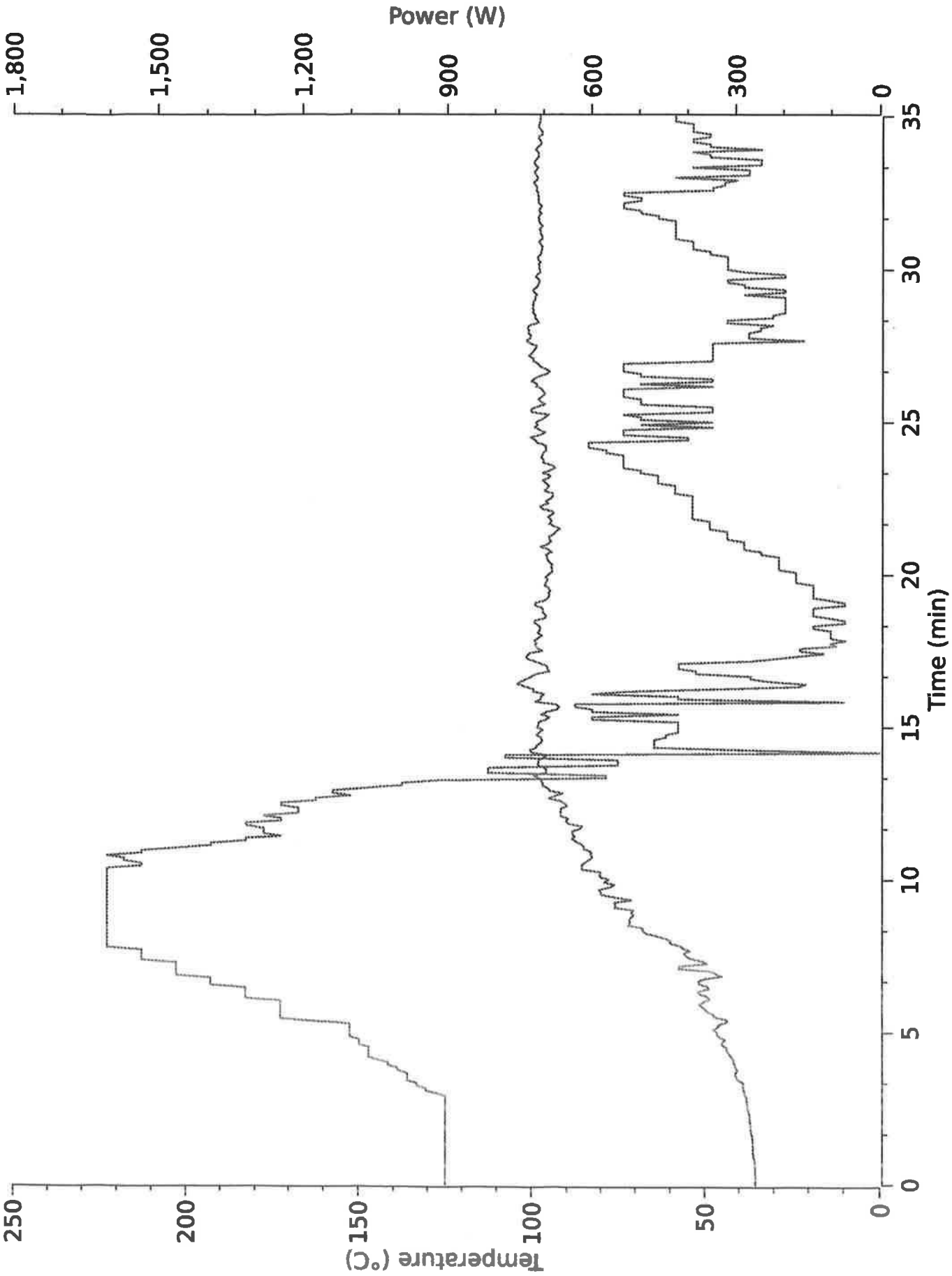
Standard ID#	Description	Manufacture Lot#
25J0102	Filter Paper (Fisher) 15.0cm	18364644
25K0374	Acetone	252747
25K0502	Sodium Sulfate (Baked)	Sodium Sulfate
25K0504	Methylene Chloride (200 L Drum)	EL269-US

792

Spikedby/Witnessed By _____ Date _____

Extracted By _____ Date _____

C:\ELMNT\Print\bch_DEF_EXT.rpt


Power (W)
1,800
1,500
1,200
900
600
300
0
Temperature (°C)
250
200
150
100
50
0
Time (min)
0
5
10
15
20
25
30
35

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Date	Filename	Lab ID	Sample Info
24 Nov 2025 9:04 am	B25S328001.D	DFTPP 50ng 25j0422 1682	
24 Nov 2025 9:28 am	B25S328002.D	8270std 50 ppm 25H0510	
24 Nov 2025 9:52 am	B25S328003.D	ncextras 50 ppm 25I0219	
24 Nov 2025 10:17 am	B25S328004.D	B411748-BLK1@/TIC RR-naoth	
24 Nov 2025 10:41 am	B25S328005.D	25K0504-01@/DERSTIC RR	
24 Nov 2025 11:11 am	B25S328006.D	B418036-BS1@/ncstds 3DAY	
24 Nov 2025 11:36 am	B25S328007.D	B418036-BSd1	
24 Nov 2025 12:00 pm	B25S328008.D	B418036-Blk1	
24 Nov 2025 12:25 pm	B25S328009.D	SVSPK 25K0512	
24 Nov 2025 12:49 pm	B25S328010.D	25K1407-01	
24 Nov 2025 1:14 pm	B25S328011.D	25K0512 SVMSSPK	
24 Nov 2025 1:39 pm	B25S328012.D	25K1407-03	
24 Nov 2025 2:03 pm	B25S328013.D	25K1407-05	
24 Nov 2025 2:28 pm	B25S328014.D	25K1407-07	
24 Nov 2025 2:52 pm	B25S328015.D	25K1407-09	
24 Nov 2025 3:17 pm	B25S328016.D	25K1407-11	
24 Nov 2025 3:42 pm	B25S328017.D	8270STD 50 PPM	
24 Nov 2025 4:06 pm	B25S328018.D	NCEXtras 50 p[pm	
24 Nov 2025 4:31 pm	B25S328019.D	B418036-MS1@/nctsds	
24 Nov 2025 4:55 pm	B25S328020.D	B418036-MSD1	
24 Nov 2025 5:20 pm	B25S328021.D	B417901-BS1@/RCPS	
24 Nov 2025 5:44 pm	B25S328022.D	B417901-BSD1	
24 Nov 2025 6:09 pm	B25S328023.D	B417901-BLK1	
24 Nov 2025 6:33 pm	B25S328024.D	25K1201-01@/pahs	
24 Nov 2025 6:58 pm	B25S328025.D	B417934-BS1@/DERS	
24 Nov 2025 7:22 pm	B25S328026.D	B417934-BSD1	
24 Nov 2025 7:47 pm	B25S328027.D	B417934-MS1@/DERS	
24 Nov 2025 8:11 pm	B25S328028.D	B417934-MSD1	
24 Nov 2025 8:36 pm	B25S328029.D	B417934-BLK1	
24 Nov 2025 9:00 pm	B25S328030.D	25K1213-01	
24 Nov 2025 9:24 pm	B25S328031.D	25K1213-02	
24 Nov 2025 9:48 pm	B25S328032.D	25K1213-03	
24 Nov 2025 10:13 pm	B25S328033.D	25K1213-04	
24 Nov 2025 10:37 pm	B25S328034.D	25K1213-05	
24 Nov 2025 11:01 pm	B25S328035.D	25K1213-06	
24 Nov 2025 11:25 pm	B25S328036.D	25K1213-07	
24 Nov 2025 11:50 pm	B25S328037.D	25K1213-08	
25 Nov 2025 12:14 am	B25S328038.D	25K1213-09	
25 Nov 2025 12:38 am	B25S328039.D	25K1213-10	
25 Nov 2025 1:02 am	B25S328040.D	25K1213-11	
25 Nov 2025 1:26 am	B25S328041.D	25K1213-12	
25 Nov 2025 1:51 am	B25S328042.D	25K1213-13	
25 Nov 2025 2:15 am	B25S328043.D	25K1213-14	
25 Nov 2025 2:39 am	B25S328044.D	B417934-MS2@/DERS	
25 Nov 2025 3:03 am	B25S328045.D	B417934-MSD2	
25 Nov 2025 3:27 am	B25S328046.D	25K1213-15	
25 Nov 2025 3:51 am	B25S328047.D	25K1213-16	
25 Nov 2025 4:15 am	B25S328048.D	VIPERBLAK	

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Date	Filename	Lab ID	Sample Info
25 Nov 2025 1:22 pm	B25S329001.D	DFTPP 50ng 25j0422 1682	
25 Nov 2025 1:43 pm	B25S329002.D	25k0511-acidstockss50X	
25 Nov 2025 2:08 pm	B25S329003.D	8270std 50 ppm 25H0510	
25 Nov 2025 2:33 pm	B25S329004.D	ncextras 50 ppm 25I0219	
25 Nov 2025 2:58 pm	B25S329005.D	B417963-BS1@/DERS	
25 Nov 2025 3:22 pm	B25S329006.D	B417963-BSD1	
25 Nov 2025 3:47 pm	B25S329007.D	B417963-BLK1	
25 Nov 2025 4:12 pm	B25S329008.D	25K1216-01	
25 Nov 2025 4:36 pm	B25S329009.D	25K1216-02	
25 Nov 2025 5:01 pm	B25S329010.D	25K1216-03	
25 Nov 2025 5:26 pm	B25S329011.D	25K1216-04	
25 Nov 2025 5:51 pm	B25S329012.D	25K1216-05	
25 Nov 2025 6:15 pm	B25S329013.D	25K1216-06	
25 Nov 2025 6:40 pm	B25S329014.D	25K1213-16@/RRT	
25 Nov 2025 7:05 pm	B25S329015.D	25K0833-02@/RCPS	
25 Nov 2025 7:30 pm	B25S329016.D	B417963-MS1@/K1216-01	
25 Nov 2025 7:54 pm	B25S329017.D	B417963-MSD1	
25 Nov 2025 8:19 pm	B25S329018.D	25K0752-13RE1@4X	
25 Nov 2025 8:44 pm	B25S329019.D	25K0752-18RE1@8X	
25 Nov 2025 9:08 pm	B25S329020.D	25K0741-02	
25 Nov 2025 9:33 pm	B25S329021.D	25K0752-01	
25 Nov 2025 9:58 pm	B25S329022.D	25K0752-02	
25 Nov 2025 10:22 pm	B25S329023.D	25K0752-03	
25 Nov 2025 10:47 pm	B25S329024.D	25K0752-04	
25 Nov 2025 11:12 pm	B25S329025.D	25K0752-05	
25 Nov 2025 11:37 pm	B25S329026.D	25K0752-06	
26 Nov 2025 12:01 am	B25S329027.D	B417827-MS1@/DERS K0741-02	
26 Nov 2025 12:26 am	B25S329028.D	B417827-MSD1	
26 Nov 2025 12:51 am	B25S329029.D	25K1228-01	
26 Nov 2025 1:15 am	B25S329030.D	25K1228-02	
26 Nov 2025 1:40 am	B25S329031.D	25K1228-03	
26 Nov 2025 2:05 am	B25S329032.D	25K1228-04	
26 Nov 2025 2:30 am	B25S329033.D	VIPERBLANK	

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Date	Filename	Lab ID	Sample Info
26 Nov 2025 12:49 pm	B25S330001.D	DFTPP 50ng 25j0422 1682	
26 Nov 2025 1:13 pm	B25S330002.D	8270std 50 ppm 25H0510	
26 Nov 2025 1:37 pm	B25S330003.D	ncextras 50 ppm 25I0219	
26 Nov 2025 2:13 pm	B25S330004.D	B418133-SRM1@/IOOC 8270S	
26 Nov 2025 2:36 pm	B25S330005.D	B418133-SRM2@/MEF 11/25	
26 Nov 2025 3:00 pm	B25S330006.D	SVOA SS	
26 Nov 2025 3:24 pm	B25S330007.D	SV SURR 25K0595	
26 Nov 2025 3:48 pm	B25S330008.D	B418133-SRM3	
26 Nov 2025 4:12 pm	B25S330009.D	B418133-SRM4	
26 Nov 2025 4:36 pm	B25S330010.D	B418195-BS1@/8270S	
26 Nov 2025 5:00 pm	B25S330011.D	B418195-BSD1	
26 Nov 2025 5:25 pm	B25S330012.D	B418195-BLK1	
26 Nov 2025 5:49 pm	B25S330013.D	25K1213-13RE1@/DER	
26 Nov 2025 6:13 pm	B25S330014.D	25K1213-14RE1	
26 Nov 2025 6:38 pm	B25S330015.D	B418195-MS1@/K1213-13RE1	
26 Nov 2025 7:02 pm	B25S330016.D	B418195-MSD1	
26 Nov 2025 7:27 pm	B25S330017.D	B418195-MS2@/K1213-14RE1	
26 Nov 2025 7:52 pm	B25S330018.D	B418195-MSD2	
26 Nov 2025 8:16 pm	B25S330019.D	BLKVIPER	
26 Nov 2025 8:41 pm	B25S330020.D	25K1228-05@/B417963	
26 Nov 2025 9:06 pm	B25S330021.D	25K1228-06	
26 Nov 2025 9:30 pm	B25S330022.D	25K1228-07	

WET

SAMPLE DATA

1 - FORM I
ANALYSIS DATA SHEET

C-2 (0-2in)

Laboratory:	Pace New England	SDG:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-01
Sampled:	11/17/25 13:10		
% Solids:	79.86		

CAS NO.	Analyte	Concentration (% Wt)	RL	DF	Q	Batch	Analyzed	Method
TSOLIDS	% Solids	79.9		1		B417935	11/20/25 15:41	SM 2540G

1 - FORM I
ANALYSIS DATA SHEET
C-2 (2-12in)

Laboratory:	Pace New England	SDG:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-02
Sampled:	11/17/25 13:15		
% Solids:	83.24		

CAS NO.	Analyte	Concentration (% Wt)	RL	DF	Q	Batch	Analyzed	Method
TSOLIDS	% Solids	83.2		1		B417935	11/20/25 15:41	SM 2540G

1 - FORM I
ANALYSIS DATA SHEET

C-3 (0-2in)

Laboratory:	Pace New England	SDG:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-03
Sampled:	11/17/25 14:00		
% Solids:	74.55		

CAS NO.	Analyte	Concentration (% Wt)	RL	DF	Q	Batch	Analyzed	Method
TSOLIDS	% Solids	74.5		1		B417935	11/20/25 15:41	SM 2540G

1 - FORM I
ANALYSIS DATA SHEET
C-3 (2-12in)

Laboratory:	Pace New England	SDG:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-04
Sampled:	11/17/25 14:05		
% Solids:	85.68		

CAS NO.	Analyte	Concentration (% Wt)	RL	DF	Q	Batch	Analyzed	Method
TSOLIDS	% Solids	85.7		1		B417935	11/20/25 15:41	SM 2540G

1 - FORM I
ANALYSIS DATA SHEET

E-4 (0-2in)

Laboratory:	Pace New England	SDG:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-05
Sampled:	11/17/25 09:50		
% Solids:	77.09		

CAS NO.	Analyte	Concentration (% Wt)	RL	DF	Q	Batch	Analyzed	Method
TSOLIDS	% Solids	77.1		1		B417935	11/20/25 15:41	SM 2540G

1 - FORM I
ANALYSIS DATA SHEET
E-4 (2-12in)

Laboratory:	Pace New England	SDG:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-06
Sampled:	11/17/25 09:55		
% Solids:	82.86		

CAS NO.	Analyte	Concentration (% Wt)	RL	DF	Q	Batch	Analyzed	Method
TSOLIDS	% Solids	82.9		1		B417935	11/20/25 15:41	SM 2540G

1 - FORM I
ANALYSIS DATA SHEET
E-1 (0-2in)

Laboratory:	Pace New England	SDG:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-07
Sampled:	11/17/25 10:10		
% Solids:	75.07		

CAS NO.	Analyte	Concentration (% Wt)	RL	DF	Q	Batch	Analyzed	Method
TSOLIDS	% Solids	75.1		1		B417935	11/20/25 15:41	SM 2540G

1 - FORM I
ANALYSIS DATA SHEET
E-1 (2-12in)

Laboratory:	Pace New England	SDG:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-08
Sampled:	11/17/25 10:30		
% Solids:	82.81		

CAS NO.	Analyte	Concentration (% Wt)	RL	DF	Q	Batch	Analyzed	Method
TSOLIDS	% Solids	82.8		1		B417935	11/20/25 15:41	SM 2540G

1 - FORM I
ANALYSIS DATA SHEET
C-1 (0-2in)

Laboratory:	Pace New England	SDG:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-09
Sampled:	11/17/25 11:25		
% Solids:	79.94		

CAS NO.	Analyte	Concentration (% Wt)	RL	DF	Q	Batch	Analyzed	Method
TSOLIDS	% Solids	79.9		1		B417935	11/20/25 15:41	SM 2540G

1 - FORM I
ANALYSIS DATA SHEET
C-1 (2-12in)

Laboratory:	Pace New England	SDG:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-10
Sampled:	11/17/25 11:30		
% Solids:	87.91		

CAS NO.	Analyte	Concentration (% Wt)	RL	DF	Q	Batch	Analyzed	Method
TSOLIDS	% Solids	87.9		1		B417935	11/20/25 15:41	SM 2540G

1 - FORM I
ANALYSIS DATA SHEET

B-1 (0-2in)

Laboratory:	Pace New England	SDG:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-11
Sampled:	11/17/25 11:45		
% Solids:	79.30		

CAS NO.	Analyte	Concentration (% Wt)	RL	DF	Q	Batch	Analyzed	Method
TSOLIDS	% Solids	79.3		1		B417935	11/20/25 15:41	SM 2540G

1 - FORM I
ANALYSIS DATA SHEET

B-1 (2-12in)

Laboratory:	Pace New England	SDG:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-12
Sampled:	11/17/25 11:50		
% Solids:	88.58		

CAS NO.	Analyte	Concentration (% Wt)	RL	DF	Q	Batch	Analyzed	Method
TSOLIDS	% Solids	88.6		1		B417935	11/20/25 15:41	SM 2540G

1 - FORM I
ANALYSIS DATA SHEET

B-2 (0-2in)

Laboratory:	Pace New England	SDG:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-13
Sampled:	11/17/25 12:35		
% Solids:	83.74		

CAS NO.	Analyte	Concentration (% Wt)	RL	DF	Q	Batch	Analyzed	Method
TSOLIDS	% Solids	83.7		1		B417935	11/20/25 15:41	SM 2540G

1 - FORM I
ANALYSIS DATA SHEET

B-2 (2-12in)

Laboratory:	Pace New England	SDG:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-14
Sampled:	11/17/25 12:40		
% Solids:	83.23		

CAS NO.	Analyte	Concentration (% Wt)	RL	DF	Q	Batch	Analyzed	Method
TSOLIDS	% Solids	83.2		1		B417935	11/20/25 15:41	SM 2540G

1 - FORM I
ANALYSIS DATA SHEET

Dup-1

Laboratory:	Pace New England	SDG:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-15
Sampled:	11/17/25 00:00		
% Solids:	75.06		

CAS NO.	Analyte	Concentration (% Wt)	RL	DF	Q	Batch	Analyzed	Method
TSOLIDS	% Solids	75.1		1		B417935	11/20/25 15:41	SM 2540G

1 - FORM I
ANALYSIS DATA SHEET

Dup-2

Laboratory:	Pace New England	SDG:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1213-16
Sampled:	11/17/25 00:00		
% Solids:	85.26		

CAS NO.	Analyte	Concentration (% Wt)	RL	DF	Q	Batch	Analyzed	Method
TSOLIDS	% Solids	85.3		1		B417935	11/20/25 15:41	SM 2540G

DUPLICATES

B-2 (0-2in)

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	B417935-DUP1
Batch:	B417935	Initial/Final:	5 g / 5 g
Preparation:	% Solids	Analysis:	SM 2540G
% Solids:	83.74		

ANALYTE	SAMPLE CONCENTRATION (% Wt)	DUPLICATE CONCENTRATION (% Wt)	RPD %	Q	CONTROL LIMIT
% Solids	83.7	83.5	0.281		10

DUPLICATES

B-2 (2-12in)

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	B417935-DUP2
Batch:	B417935	Initial/Final:	5 g / 5 g
Preparation:	% Solids	Analysis:	SM 2540G
% Solids:	83.23		

ANALYTE	SAMPLE CONCENTRATION (% Wt)	DUPLICATE CONCENTRATION (% Wt)	RPD %	Q	CONTROL LIMIT
% Solids	83.2	81.6	2.01		10

PREPARATION BATCH SUMMARY

SM 2540G

Laboratory:	Pace New England	Work Order:	25K1213
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Batch:	B417935 Batch Matrix: Soil	Preparation:	% Solids

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
C-2 (0-2in)	25K1213-01	11/20/25 15:41	5.00	5.00
C-2 (2-12in)	25K1213-02	11/20/25 15:41	5.00	5.00
C-3 (0-2in)	25K1213-03	11/20/25 15:41	5.00	5.00
C-3 (2-12in)	25K1213-04	11/20/25 15:41	5.00	5.00
E-4 (0-2in)	25K1213-05	11/20/25 15:41	5.00	5.00
E-4 (2-12in)	25K1213-06	11/20/25 15:41	5.00	5.00
E-1 (0-2in)	25K1213-07	11/20/25 15:41	5.00	5.00
E-1 (2-12in)	25K1213-08	11/20/25 15:41	5.00	5.00
C-1 (0-2in)	25K1213-09	11/20/25 15:41	5.00	5.00
C-1 (2-12in)	25K1213-10	11/20/25 15:41	5.00	5.00
B-1 (0-2in)	25K1213-11	11/20/25 15:41	5.00	5.00
B-1 (2-12in)	25K1213-12	11/20/25 15:41	5.00	5.00
B-2 (0-2in)	25K1213-13	11/20/25 15:41	5.00	5.00
B-2 (2-12in)	25K1213-14	11/20/25 15:41	5.00	5.00
Dup-1	25K1213-15	11/20/25 15:41	5.00	5.00
Dup-2	25K1213-16	11/20/25 15:41	5.00	5.00
B-2 (0-2in)	B417935-DUP1	11/20/25 15:41	5.00	5.00
B-2 (2-12in)	B417935-DUP2	11/20/25 15:41	5.00	5.00

Percent Moisture/ Percent Solids

D2216-90

Analyst: DMB **Test Code:** %Moist/%Solids **Batch ID:** B417935

Analyte: Dried at 105°C **Units:** %

TEMP IN: 104 °C

analyst	sample#	dish	Units	dish&sample	Units	time	date	sample	dried dish&sample	Units	time	date	dried sample	% solid
DMB	25K1213-01	1.0311	g	11.2508	g	18:42	11/20/25	10.2197	9.1925	g	22:45	11/20/25	8.16	79.86
DMB	25K1213-02	1.0387	g	11.7844	g	18:42	11/20/25	10.7457	9.9832	g	22:45	11/20/25	8.94	83.24
DMB	25K1213-03	1.0252	g	11.5295	g	18:42	11/20/25	10.5043	8.8557	g	22:45	11/20/25	7.83	74.55
DMB	25K1213-04	1.0189	g	11.5624	g	18:42	11/20/25	10.5435	10.0528	g	22:45	11/20/25	9.03	85.68
DMB	25K1213-05	1.0265	g	11.7448	g	18:42	11/20/25	10.7183	9.2893	g	22:45	11/20/25	8.26	77.09
DMB	25K1213-06	1.0297	g	12.1562	g	18:42	11/20/25	11.1265	10.2491	g	22:45	11/20/25	9.22	82.86
DMB	25K1213-07	1.0301	g	11.2073	g	18:42	11/20/25	10.1772	8.6700	g	22:45	11/20/25	7.64	75.07
DMB	25K1213-08	1.0470	g	11.3523	g	18:42	11/20/25	10.3053	9.5809	g	22:45	11/20/25	8.53	82.81
DMB	25K1213-09	1.0262	g	11.7621	g	18:42	11/20/25	10.7359	9.6084	g	22:45	11/20/25	8.58	79.94
DMB	25K1213-10	1.0164	g	12.7105	g	18:42	11/20/25	11.6941	11.2965	g	22:45	11/20/25	10.28	87.91
DMB	25K1213-11	1.0120	g	11.6559	g	18:42	11/20/25	10.6439	9.4530	g	22:45	11/20/25	8.44	79.30
DMB	25K1213-12	1.0128	g	12.2940	g	18:42	11/20/25	11.2812	11.0058	g	22:45	11/20/25	9.99	88.58
DMB	25K1213-13	1.0055	g	11.2891	g	18:42	11/20/25	10.2836	9.6168	g	22:45	11/20/25	8.61	83.74
DMB	25K1213-14	1.0083	g	11.5699	g	18:42	11/20/25	10.5616	9.7988	g	22:45	11/20/25	8.79	83.23
DMB	25K1213-15	1.0234	g	11.5996	g	18:42	11/20/25	10.5762	8.9616	g	22:45	11/20/25	7.94	75.06
DMB	25K1213-16	1.0237	g	11.5385	g	18:42	11/20/25	10.5148	9.9885	g	22:45	11/20/25	8.96	85.26
DMB	25K1216-01	0.9918	g	12.0126	g	18:42	11/20/25	11.0208	10.0293	g	22:45	11/20/25	9.04	82.00
DMB	25K1216-02	0.9965	g	11.5014	g	18:42	11/20/25	10.5049	10.1390	g	22:45	11/20/25	9.14	87.03
DMB	25K1216-03	0.9943	g	11.6482	g	18:42	11/20/25	10.6539	9.6218	g	22:45	11/20/25	8.63	80.98
DMB	25K1216-04	0.9953	g	11.2574	g	18:42	11/20/25	10.2621	10.3493	g	22:45	11/20/25	9.35	91.15
DMB	25K1216-05	1.0261	g	11.6761	g	18:42	11/20/25	10.6500	9.7959	g	22:45	11/20/25	8.77	82.35
DMB	25K1216-06	0.9963	g	12.6119	g	18:42	11/20/25	11.6156	11.4800	g	22:45	11/20/25	10.48	90.26
DMB	25K1228-01	0.9886	g	11.8936	g	18:42	11/20/25	10.9050	10.9549	g	22:45	11/20/25	9.97	91.39
DMB	25K1228-02	0.9981	g	11.7124	g	18:42	11/20/25	10.7143	9.3985	g	22:45	11/20/25	8.40	78.40
DMB	25K1228-03	1.0034	g	12.0750	g	18:42	11/20/25	11.0716	10.3280	g	22:45	11/20/25	9.32	84.22
DMB	25K1228-04	0.9942	g	11.1712	g	18:42	11/20/25	10.1770	9.2589	g	22:45	11/20/25	8.26	81.21
DMB	25K1228-05	1.0015	g	12.1026	g	18:42	11/20/25	11.1011	11.5887	g	22:45	11/20/25	10.59	95.37

TEMP IN: 104 °C

analyst	sample#	dish	Units	dish&sample	Units	time	date	sample	dried dish&sample	Units	time	date	dried sample	% solid
DMB	25K1228-06	0.9806	g	11.9474	g	18:42	11/20/25	10.9668	9.1255	g	22:45	11/20/25	8.14	74.27
DMB	25K1228-07	1.0420	g	12.0031	g	18:42	11/20/25	10.9611	8.2691	g	22:45	11/20/25	7.23	65.93
DMB	25K1269-07	1.0007	g	12.6893	g	18:42	11/20/25	11.6886	11.8508	g	22:45	11/20/25	10.85	92.83
DMB	B417935-DUP1	1.0041	g	11.3526	g	18:42	11/20/25	10.3485	9.6454	g	22:45	11/20/25	8.64	83.50
DMB	B417935-DUP2	0.9998	g	11.1574	g	18:42	11/20/25	10.1576	9.2854	g	22:45	11/20/25	8.29	81.57



Pace Analytical Services

Laboratory Code: 11148

SDG Number: L2574898

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Project Number: 25K1213

Lab Number: L2574898
Report Date: 12/01/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2574898-01	C-2 (0-2IN)	SOIL	Not Specified	11/17/25 13:10	11/21/25
L2574898-02	C-2 (2-12IN)	SOIL	Not Specified	11/17/25 13:15	11/21/25
L2574898-03	C-3 (0-2IN)	SOIL	Not Specified	11/17/25 14:00	11/21/25
L2574898-04	C-3 (2-12IN)	SOIL	Not Specified	11/17/25 14:05	11/21/25
L2574898-05	E-4 (0-2IN)	SOIL	Not Specified	11/17/25 09:50	11/21/25
L2574898-06	E-4 (2-12IN)	SOIL	Not Specified	11/17/25 09:55	11/21/25
L2574898-07	E-1 (0-2IN)	SOIL	Not Specified	11/17/25 10:10	11/21/25
L2574898-08	E-1 (2-12IN)	SOIL	Not Specified	11/17/25 10:30	11/21/25
L2574898-09	C-1 (0-2IN)	SOIL	Not Specified	11/17/25 11:25	11/21/25
L2574898-10	C-1 (2-12IN)	SOIL	Not Specified	11/17/25 11:30	11/21/25
L2574898-11	B-1 (0-2IN)	SOIL	Not Specified	11/17/25 11:45	11/21/25
L2574898-12	B-1 (2-12IN)	SOIL	Not Specified	11/17/25 11:50	11/21/25
L2574898-13	B-2 (0-2IN)	SOIL	Not Specified	11/17/25 12:35	11/21/25
L2574898-14	B-2 (2-12IN)	SOIL	Not Specified	11/17/25 12:40	11/21/25
L2574898-15	DUP-1	SOIL	Not Specified	11/17/25 00:00	11/21/25
L2574898-16	DUP-2	SOIL	Not Specified	11/17/25 00:00	11/21/25

Project Name:	25K1213	**Lab Number:**	L2574898
Project Number:	25K1213	**Report Date:**	12/01/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	25K1213	**Lab Number:**	L2574898
Project Number:	25K1213	**Report Date:**	12/01/25

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Total Metals

L2574898-01 through -16: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

The WG2146092-3/-4 MS/MSD recoveries performed on L2574898-13 are outside the acceptance criteria for antimony (46%/45%) and calcium (198%/398%). A post digestion spike was performed and was within acceptance criteria.

The WG2146092-3/-4 MS/MSDrecoveries performed on L2574898-13 do not apply for aluminum (321%/328%), iron (884%/667%) and manganese (159%/140%) because the sample concentrations are greater than four times the spike amounts added.

The WG2146092-4 Laboratory Duplicate RPD performed on L2574898-13 is outside the acceptance criteria for calcium (32%) due to the non-homogeneous nature of the native sample.

The WG2146092-7/-8 MS/MSD recoveries performed on L2574898-14 do not apply for aluminum (155%/188%) and iron (MSD 0%) because the sample concentration is greater than four times the spike amount added.

The WG2146092-7/-8 MS/MSD recoveries performed on L2574898-14 are outside the acceptance criteria for antimony (43%/45%). A post digestion spike was performed and was within acceptance criteria.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Caitlin Wallukeit Report Date: 12/01/25

Title: Technical Director/Representative

Project Name:	25K1213	**Lab Number:**	L2574898
Project Number:	25K1213	**Report Date:**	12/01/25

DATA PACKAGE GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: DU Report with 'J' Qualifiers

Data Qualifiers

the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

ND or U - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

TYPICAL INSTRUMENT PARAMETERS

Volatile Organics Instruments

Volatile Organics:

Instrument: Agilent 7890 GC/5975C MSD	Columns (length x ID x df):
Trap: Supelco K Trap (VOACARB 3000)	RTX-VMS 20m x 0.18mm x 1um
Concentrator: EST Encon (or equivalent)	RTX-VMS 30m x 0.25mm x 1.4um
Autosampler: EST Centurion (or equivalent)	RTX-502.2 40m x 0.18mm x 1um
Purge time: 11 min	

Volatile Organics: VPH

Instrument: Agilent 6890 (or equivalent)	Column Type: Restek RTX 502.2
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 105 Meters
Concentrator: EST Encon (or equivalent)	df: 3.00 um
Autosampler: EST Centurion (or equivalent)	ID: 0.53mm

Volatile Organics: PIANO

Instrument: Agilent 7890 GC/5975C MSD	Column Type: DB-VRX
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 60 Meters
Concentrator: Tekmar Velocity / EST Encon	df: 1.40 um
Autosampler: Varian Archon / EST Centurion	ID: 0.25 mm
Purge time: 11 min	Desorb: 1 min

Volatile Organics: Dissolved Gas

Instrument: Agilent 7890 (or equivalent) with FID/TCD	
	Column Type: Haysep S Column
	Column Length: 2 Meters packed (100/200 mesh)
Autosampler: LEAP Headspace	Purge time: 0.6 min

Volatile Organics in Air Instruments

Volatile Organics in Air:

Instruments: Agilent 6890 GC / 5975 MSD Shimadzu QP2010-SE / QP2020

Concentrator: Entech 7100A or 7200	Column Type: Restek RTX-1
Autosampler: Entech 7016CA or 7016D	Column Length: 60 Meters
	df: 1.00 um
	ID: 0.25 mm or 0.32 mm

Trap 1: Glass Bead: manufacturer-Entech: 20 cm packing material
Trap 2: Tenax: manufacturer-Entech: 20 cm packing material

Semivolatile Organics Instruments - Westborough

Semivolatile Organics (Acid/Base/Neutral Extractables):

Instrument: Agilent 5973N MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.32 um
Column Length: 30 Meters	ID: 0.25 mm

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

Instrument: Agilent 5973 MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Pesticides/PCB/Herbicides:

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Petroleum/EPH:

Instrument: Agilent 6890 w/FID / HP 5890 w/ FID	Injection Volume: 1uL
Column: Restek RTX 5	df: 0.25
Column Length: 30 Meters	
ID: 0.32 mm	

Semivolatile Organic Instruments - Mansfield

Semivolatile Organics (ALK-PAH Extractables):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 1 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8270):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 2 ul
Column Type: ZB-Semivolatiles	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (8270 SIM):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (1,4-Dioxane):

Instrument: Agilent 5973N / 5975 / 5977 MSD	Injection volume: 3 ul
Column Type: RTX-5	df: 0.25um, 0.18 um
Column Length: 30 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (209 Congener):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: RTX-5, RTX-PCB	df: 0.25um, 0.18 um
Column Length: 60 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (8081):

Instrument: Agilent 6890 / 7890	Injection volume: 1 ul
Column Type: RTX-5 / RTX-CLP II	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8082):

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Semivolatile Organics (SHC Extractables):

Instrument: Agilent 6890	Injection volume: 1 ul
Column Type: RTX-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Sample Delivery Group Summary

Pace Job Number : L2574898

Account Name : Pace New England
Project Number : 25K1213
Project Name : 25K1213

Received : 21-NOV-2025
Reviewer : Julie Convery

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	4.3	

Condition Information

1) All samples on COC received?	**YES**
2) Extra samples received?	**NO**
3) Are there any sample container discrepancies?	**NO**
4) Are there any discrepancies between COC & sample labels?	**NO**
5) Are samples in appropriate containers for requested analysis?	**YES**
6) Are samples properly preserved for requested analysis?	**YES**
7) Are samples within holding time for requested analysis?	**YES**
8) All sampling equipment returned?	**NA**

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	**NA**

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Dec 04 2025, 05:56 pm

Login Number: L2574898
Account: CONTEST-MET-SE Pace New EnglandProject: 25K1213
Received: 21NOV25 Due Date: 01DEC25

Sample #	Client ID	Mat	PR	Collected
L2574898-01	C-2 (0-2IN)	3	3D	17NOV25 13:10

report to the MDL TS Performed in ELON, TS value to be manually entered ASP-B Package Due Date: 12/01/25

ASP-B,B-TI,TAL,AG-TI,AL-TI,AS-TI,BA-TI,BE-TI,CA-TI,CD-TI,CO-TI,CR-TI,CU-TI,FE-TI,HG-T,K-TI,MG-TI,MN-TI,NA-TI,NI-TI,PB-TI,PREPT,SB-TI,SE-TI,TL-TI,V-TI,ZN-TI,TS

Sample #	Client ID	Mat	PR	Collected
L2574898-02	C-2 (2-12IN)	3	3D	17NOV25 13:15

report to the MDL TS Performed in ELON, TS value to be manually entered Package Due Date: 12/01/25

B-TI,TAL,AG-TI,AL-TI,AS-TI,BA-TI,BE-TI,CA-TI,CD-TI,CO-TI,CR-TI,CU-TI,FE-TI,HG-T,K-TI,MG-TI,MN-TI,NA-TI,NI-TI,PB-TI,PREPT,SB-TI,SE-TI,TL-TI,V-TI,ZN-TI,TS

Sample #	Client ID	Mat	PR	Collected
L2574898-03	C-3 (0-2IN)	3	3D	17NOV25 14:00

report to the MDL TS Performed in ELON, TS value to be manually entered Package Due Date: 12/01/25

B-TI,TAL,AG-TI,AL-TI,AS-TI,BA-TI,BE-TI,CA-TI,CD-TI,CO-TI,CR-TI,CU-TI,FE-TI,HG-T,K-TI,MG-TI,MN-TI,NA-TI,NI-TI,PB-TI,PREPT,SB-TI,SE-TI,TL-TI,V-TI,ZN-TI,TS

Sample #	Client ID	Mat	PR	Collected
L2574898-04	C-3 (2-12IN)	3	3D	17NOV25 14:05

report to the MDL TS Performed in ELON, TS value to be manually entered Package Due Date: 12/01/25

B-TI,TAL,AG-TI,AL-TI,AS-TI,BA-TI,BE-TI,CA-TI,CD-TI,CO-TI,CR-TI,CU-TI,FE-TI,HG-T,K-TI,MG-TI,MN-TI,NA-TI,NI-TI,PB-TI,PREPT,SB-TI,SE-TI,TL-TI,V-TI,ZN-TI,TS

Sample #	Client ID	Mat	PR	Collected
L2574898-05	E-4 (0-2IN)	3	3D	17NOV25 09:50

report to the MDL TS Performed in ELON, TS value to be manually entered Package Due Date: 12/01/25

B-TI,TAL,AG-TI,AL-TI,AS-TI,BA-TI,BE-TI,CA-TI,CD-TI,CO-TI,CR-TI,CU-TI,FE-TI,HG-T,K-TI,MG-TI,MN-TI,NA-TI,NI-TI,PB-TI,PREPT,SB-TI,SE-TI,TL-TI,V-TI,ZN-TI,TS

Sample #	Client ID	Mat	PR	Collected
L2574898-06	E-4 (2-12IN)	3	3D	17NOV25 09:55

report to the MDL TS Performed in ELON, TS value to be manually entered Package Due Date: 12/01/25

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Dec 04 2025, 05:56 pm

Login Number: L2574898
Account: CONTEST-MET-SE Pace New EnglandProject: 25K1213
Received: 21NOV25 Due Date: 01DEC25

Sample #	Client ID	Mat	PR	Collected

B-TI,TAL,AG-TI,AL-TI,AS-TI,BA-TI,BE-TI,CA-TI,CD-TI,CO-TI,CR-TI,CU-TI,FE-TI,HG-T,K-TI,MG-TI,MN-TI,NA-TI,NI-TI,PB-TI,PREPT,SB-TI,SE-TI,TL-TI,V-TI,ZN-TI,TS

L2574898-07 E-1 (0-2IN) 3 3D 17NOV25 10:10
report to the MDL TS Performed in ELON, TS value to be manually entered Package Due Date: 12/01/25

B-TI,TAL,AG-TI,AL-TI,AS-TI,BA-TI,BE-TI,CA-TI,CD-TI,CO-TI,CR-TI,CU-TI,FE-TI,HG-T,K-TI,MG-TI,MN-TI,NA-TI,NI-TI,PB-TI,PREPT,SB-TI,SE-TI,TL-TI,V-TI,ZN-TI,TS

L2574898-08 E-1 (2-12IN) 3 3D 17NOV25 10:30
report to the MDL TS Performed in ELON, TS value to be manually entered Package Due Date: 12/01/25

B-TI,TAL,AG-TI,AL-TI,AS-TI,BA-TI,BE-TI,CA-TI,CD-TI,CO-TI,CR-TI,CU-TI,FE-TI,HG-T,K-TI,MG-TI,MN-TI,NA-TI,NI-TI,PB-TI,PREPT,SB-TI,SE-TI,TL-TI,V-TI,ZN-TI,TS

L2574898-09 C-1 (0-2IN) 3 3D 17NOV25 11:25
report to the MDL TS Performed in ELON, TS value to be manually entered Package Due Date: 12/01/25

B-TI,TAL,AG-TI,AL-TI,AS-TI,BA-TI,BE-TI,CA-TI,CD-TI,CO-TI,CR-TI,CU-TI,FE-TI,HG-T,K-TI,MG-TI,MN-TI,NA-TI,NI-TI,PB-TI,PREPT,SB-TI,SE-TI,TL-TI,V-TI,ZN-TI,TS

L2574898-10 C-1 (2-12IN) 3 3D 17NOV25 11:30
report to the MDL TS Performed in ELON, TS value to be manually entered Package Due Date: 12/01/25

B-TI,TAL,AG-TI,AL-TI,AS-TI,BA-TI,BE-TI,CA-TI,CD-TI,CO-TI,CR-TI,CU-TI,FE-TI,HG-T,K-TI,MG-TI,MN-TI,NA-TI,NI-TI,PB-TI,PREPT,SB-TI,SE-TI,TL-TI,V-TI,ZN-TI,TS

L2574898-11 B-1 (0-2IN) 3 3D 17NOV25 11:45
report to the MDL TS Performed in ELON, TS value to be manually entered Package Due Date: 12/01/25

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Dec 04 2025, 05:56 pm

Login Number: L2574898
Account: CONTEST-MET-SE Pace New EnglandProject: 25K1213
Received: 21NOV25 Due Date: 01DEC25

Sample #	Client ID	Mat	PR	Collected

B-TI,TAL,AG-TI,AL-TI,AS-TI,BA-TI,BE-TI,CA-TI,CD-TI,CO-TI,CR-TI,CU-TI,FE-TI,HG-T,K-TI,MG-TI,MN-TI,NA-TI,NI-TI,PB-TI,PREPT,SB-TI,SE-TI,TL-TI,V-TI,ZN-TI,TS

L2574898-12 B-1 (2-12IN) 3 3D 17NOV25 11:50
report to the MDL TS Performed in ELON, TS value to be manually entered Package Due Date: 12/01/25

B-TI,TAL,AG-TI,AL-TI,AS-TI,BA-TI,BE-TI,CA-TI,CD-TI,CO-TI,CR-TI,CU-TI,FE-TI,HG-T,K-TI,MG-TI,MN-TI,NA-TI,NI-TI,PB-TI,PREPT,SB-TI,SE-TI,TL-TI,V-TI,ZN-TI,TS

L2574898-13 B-2 (0-2IN) 3 3D 17NOV25 12:35
L2574898-13 MS L2574898-13 MSD report to the MDL TS Performed in ELON, TS value to be manually entered Package Due Date: 12/01/25

B-TI,MS/MSD,TAL,AG-TI,AL-TI,AS-TI,BA-TI,BE-TI,CA-TI,CD-TI,CO-TI,CR-TI,CU-TI,FE-TI,HG-T,K-TI,MG-TI,MN-TI,NA-TI,NI-TI,PB-TI,PREPT,SB-TI,SE-TI,TL-TI,V-TI,ZN-TI,TS

L2574898-14 B-2 (2-12IN) 3 3D 17NOV25 12:40
L2574898-14 MS L2574898-14 MSD report to the MDL TS Performed in ELON, TS value to be manually entered Package Due Date: 12/01/25

B-TI,MS/MSD,TAL,AG-TI,AL-TI,AS-TI,BA-TI,BE-TI,CA-TI,CD-TI,CO-TI,CR-TI,CU-TI,FE-TI,HG-T,K-TI,MG-TI,MN-TI,NA-TI,NI-TI,PB-TI,PREPT,SB-TI,SE-TI,TL-TI,V-TI,ZN-TI,TS

L2574898-15 DUP-1 3 3D 17NOV25 00:00
report to the MDL TS Performed in ELON, TS value to be manually entered Package Due Date: 12/01/25

B-TI,TAL,AG-TI,AL-TI,AS-TI,BA-TI,BE-TI,CA-TI,CD-TI,CO-TI,CR-TI,CU-TI,FE-TI,HG-T,K-TI,MG-TI,MN-TI,NA-TI,NI-TI,PB-TI,PREPT,SB-TI,SE-TI,TL-TI,V-TI,ZN-TI,TS

L2574898-16 DUP-2 3 3D 17NOV25 00:00
report to the MDL TS Performed in ELON, TS value to be manually entered Package Due Date: 12/01/25

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Dec 04 2025, 05:56 pm

Login Number: L2574898
Account: CONTEST-MET-SE Pace New EnglandProject: 25K1213
Received: 21NOV25 Due Date: 01DEC25

Sample #	Client ID	Mat	PR	Collected

B-TI,TAL,AG-TI,AL-TI,AS-TI,BA-TI,BE-TI,CA-TI,CD-TI,CO-TI,CR-TI,CU-TI,FE-TI,HG-T,K-TI,MG-TI,MN-TI,NA-TI,NI-TI,PB-TI,PREPT,SB-TI,SE-TI,TL-TI,V-TI,ZN-TI,TS

Logged By: Julie Convery

L0579898

RUSH

SUBCONTRACT CHAIN OF CUSTODY

Pace New England

25K1213

ELITE

SENDING LABORATORY:

Pace New England
39 Spruce Street
East Longmeadow, MA 01028
Phone: 413.525.2332
Fax: 413.525.6405
Project Manager: Raymond J. McCarthy

RECEIVING LABORATORY:

Pace Analytical Services - Westborough, MA
8 Walkup Drive
Westborough, MA 01581
Phone :(508) 898-9220
Fax: (508) 898-9193

Project Location: New York

Analysis	Sample Name	Due	Expires	Comments
Sample ID: 25K1213-01 C-2 (0-2in)		**Soil**	**Sampled: 11/17/25 13:10**	**CAT B**
SG-TAL 23 Metals 6010 (incl. Hg) Total		12/01/25 14:00	11/24/25 13:10	
S-Metals Digestion		12/01/25 14:00	12/01/25 13:10	
S-Boron 6010 Total		12/01/25 14:00	05/16/26 13:10	
Containers Supplied:				
2 oz amber glass jar (B)				
Sample ID: 25K1213-02 C-2 (2-12in)		**Soil**	**Sampled: 11/17/25 13:15**	**CAT B**
SG-TAL 23 Metals 6010 (incl. Hg) Total		12/01/25 14:00	11/24/25 13:15	
S-Metals Digestion		12/01/25 14:00	12/01/25 13:15	
S-Boron 6010 Total		12/01/25 14:00	05/16/26 13:15	
Containers Supplied:				
2 oz amber glass jar (B)				
Sample ID: 25K1213-03 C-3 (0-2in)		**Soil**	**Sampled: 11/17/25 14:00**	**CAT B**
SG-TAL 23 Metals 6010 (incl. Hg) Total		12/01/25 14:00	11/24/25 14:00	
S-Metals Digestion		12/01/25 14:00	12/01/25 14:00	
S-Boron 6010 Total		12/01/25 14:00	05/16/26 14:00	
Containers Supplied:				
2 oz amber glass jar (B)				
Sample ID: 25K1213-04 C-3 (2-12in)		**Soil**	**Sampled: 11/17/25 14:05**	**CAT B**
SG-TAL 23 Metals 6010 (incl. Hg) Total		12/01/25 14:00	11/24/25 14:05	
S-Boron 6010 Total		12/01/25 14:00	05/16/26 14:05	
S-Metals Digestion		12/01/25 14:00	12/01/25 14:05	
Containers Supplied:				
2 oz amber glass jar (B)				

Released By	Date: 11/21/25 1405	Received By	Date: 11-21 17—
Released By	Date: 11-21 1845	Received By	Date: 11-21 25-1845

RUSH

SUBCONTRACT CHAIN OF CUSTODY

Pace New England

25K1213

L2574898 838

ELITE

Analysis	Sample Name	Due	Expires	Comments
Sample ID: 25K1213-05 E-4 (0-2in)		**Soil**	**Sampled: 11/17/25 09:50**	**CAT B**
SG-TAL 23 Metals 6010 (incl. Hg) Total		12/01/25 14:00	11/24/25 09:50	
S-Metals Digestion		12/01/25 14:00	12/01/25 09:50	
S-Boron 6010 Total		12/01/25 14:00	05/16/26 09:50	
Containers Supplied:				
2 oz amber glass jar (B)				
Sample ID: 25K1213-06 E-4 (2-12in)		**Soil**	**Sampled: 11/17/25 09:55**	**CAT B**
S-Boron 6010 Total		12/01/25 14:00	05/16/26 09:55	
SG-TAL 23 Metals 6010 (incl. Hg) Total		12/01/25 14:00	11/24/25 09:55	
S-Metals Digestion		12/01/25 14:00	12/01/25 09:55	
Containers Supplied:				
2 oz amber glass jar (B)				
Sample ID: 25K1213-07 E-1 (0-2in)		**Soil**	**Sampled: 11/17/25 10:10**	**CAT B**
S-Metals Digestion		12/01/25 14:00	12/01/25 10:10	
SG-TAL 23 Metals 6010 (incl. Hg) Total		12/01/25 14:00	11/24/25 10:10	
S-Boron 6010 Total		12/01/25 14:00	05/16/26 10:10	
Containers Supplied:				
2 oz amber glass jar (B)				
Sample ID: 25K1213-08 E-1 (2-12in)		**Soil**	**Sampled: 11/17/25 10:30**	**CAT B**
S-Metals Digestion		12/01/25 14:00	12/01/25 10:30	
S-Boron 6010 Total		12/01/25 14:00	05/16/26 10:30	
SG-TAL 23 Metals 6010 (incl. Hg) Total		12/01/25 14:00	11/24/25 10:30	
Containers Supplied:				
2 oz amber glass jar (B)				
Sample ID: 25K1213-09 C-1 (0-2in)		**Soil**	**Sampled: 11/17/25 11:25**	**CAT B**
SG-TAL 23 Metals 6010 (incl. Hg) Total		12/01/25 14:00	11/24/25 11:25	
S-Metals Digestion		12/01/25 14:00	12/01/25 11:25	
S-Boron 6010 Total		12/01/25 14:00	05/16/26 11:25	
Containers Supplied:				
2 oz amber glass jar (B)				

Released By	Date: 11/21/25 1405	Received By	Date: 11-21 17-
Released By	Date: 11-21 1845	Received By	Date: 11-21 25-1845

RUSH

SUBCONTRACT CHAIN OF CUSTODY

Pace New England

25K1213

L254839 2574898

ELITE

Analysis	Sample Name	Due	Expires	Comments
Sample ID: 25K1213-10 C-1 (2-12in)		**Soil**	**Sampled: 11/17/25 11:30**	**CAT B**
S-Boron 6010 Total		12/01/25 14:00	05/16/26 11:30	
S-Metals Digestion		12/01/25 14:00	12/01/25 11:30	
SG-TAL 23 Metals 6010 (incl. Hg) Total		12/01/25 14:00	11/24/25 11:30	
Containers Supplied:				
2 oz amber glass jar (B)				
Sample ID: 25K1213-11 B-1 (0-2in)		**Soil**	**Sampled: 11/17/25 11:45**	**CAT B**
S-Metals Digestion		12/01/25 14:00	12/01/25 11:45	
SG-TAL 23 Metals 6010 (incl. Hg) Total		12/01/25 14:00	11/24/25 11:45	
S-Boron 6010 Total		12/01/25 14:00	05/16/26 11:45	
Containers Supplied:				
2 oz amber glass jar (B)				
Sample ID: 25K1213-12 B-1 (2-12in)		**Soil**	**Sampled: 11/17/25 11:50**	**CAT B**
S-Metals Digestion		12/01/25 14:00	12/01/25 11:50	
S-Boron 6010 Total		12/01/25 14:00	05/16/26 11:50	
SG-TAL 23 Metals 6010 (incl. Hg) Total		12/01/25 14:00	11/24/25 11:50	
Containers Supplied:				
2 oz amber glass jar (B)				
Sample ID: 25K1213-13 B-2 (0-2in)		**Soil**	**Sampled: 11/17/25 12:35**	**CAT B, MS/MSD**
S-MS/MSD Metal(s)		12/01/25 14:00	11/12/26 12:35	
SG-TAL 23 Metals 6010 (incl. Hg) Total		12/01/25 14:00	11/24/25 12:35	
S-Boron 6010 Total		12/01/25 14:00	05/16/26 12:35	
S-Metals Digestion		12/01/25 14:00	12/01/25 12:35	
Containers Supplied:				
2 oz amber glass jar (D)	2 oz amber glass jar (E)	2 oz amber glass jar (F)		
Sample ID: 25K1213-14 B-2 (2-12in)		**Soil**	**Sampled: 11/17/25 12:40**	**CAT B, MS/MSD**
SG-TAL 23 Metals 6010 (incl. Hg) Total		12/01/25 14:00	11/24/25 12:40	
S-Metals Digestion		12/01/25 14:00	12/01/25 12:40	
S-MS/MSD Metal(s)		12/01/25 14:00	11/12/26 12:40	
S-Boron 6010 Total		12/01/25 14:00	05/16/26 12:40	
Containers Supplied:				
2 oz amber glass jar (D)	2 oz amber glass jar (E)	2 oz amber glass jar (F)		

Released By	Date	Received By	Date
	11/21/25 1405		11-21 17-
Released By	Date	Received By	Date
	11-21 1815		11-21 25-1845

L2574898

RUSH

SUBCONTRACT CHAIN OF CUSTODY

Pace New England

25K1213

ELITE

Analysis	Sample Name	Due	Expires	Comments
Sample ID: 25K1213-15 Dup-1		**Soil**	**Sampled: 11/17/25 00:00**	**CAT B**
SG-TAL 23 Metals 6010 (incl. Hg) Total		12/01/25 14:00	11/24/25 00:00	
S-Metals Digestion		12/01/25 14:00	12/01/25 00:00	
S-Barium 6010 Total		12/01/25 14:00	05/16/26 00:00	
Containers Supplied:				
2 oz amber glass jar (B)				
Sample ID: 25K1213-16 Dup-2		**Soil**	**Sampled: 11/17/25 00:00**	**CAT B**
SG-TAL 23 Metals 6010 (incl. Hg) Total		12/01/25 14:00	11/24/25 00:00	
S-Metals Digestion		12/01/25 14:00	12/01/25 00:00	
S-Boron 6010 Total		12/01/25 14:00	05/16/26 00:00	
Containers Supplied:				
2 oz amber glass jar (B)				

Released By	Date	Received By	Date
11/21/25 1405			11-21 17-
Released By	Date	Received By	Date
11-21 1845			11-21/25-1845

Pace Analytical™

Phone: 413-525-2332

25K1213

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ANALYSIS REQUESTED

	Client Sample ID / Description	Collection Date/Time	Grab/Comp	Comments	Matrix	Matrix Code	Other Code	8260D SW-846 VOC + Naphthalene by SIM	1,4-Dioxane SIM	8082A PCBs	8151 Herbicides	TAL Total Metals	TCLP ROHA & Metals	PFAS 1633	PFAS E37 ID	Total Solids
1	C-2 (0-2')	11/7/25														
2	C-6 (2-12')	11/7/25														
3	C-3 (0-2')	11/7/25														
4	C-5 (5-12')	11/7/25														
5	C-4 (0-2') (B)	11/7/25														
6	C-4 (5-12') (B)	11/7/25														

Comments:
- Please send results to thomas.yorke@dec.ny.gov - RUSH T.A.T (5 Day)
- For TAL metals analysis, also report mercury and boron
- All sample dates on the COC are 11.7.25 except C-4 (11.8.25)

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

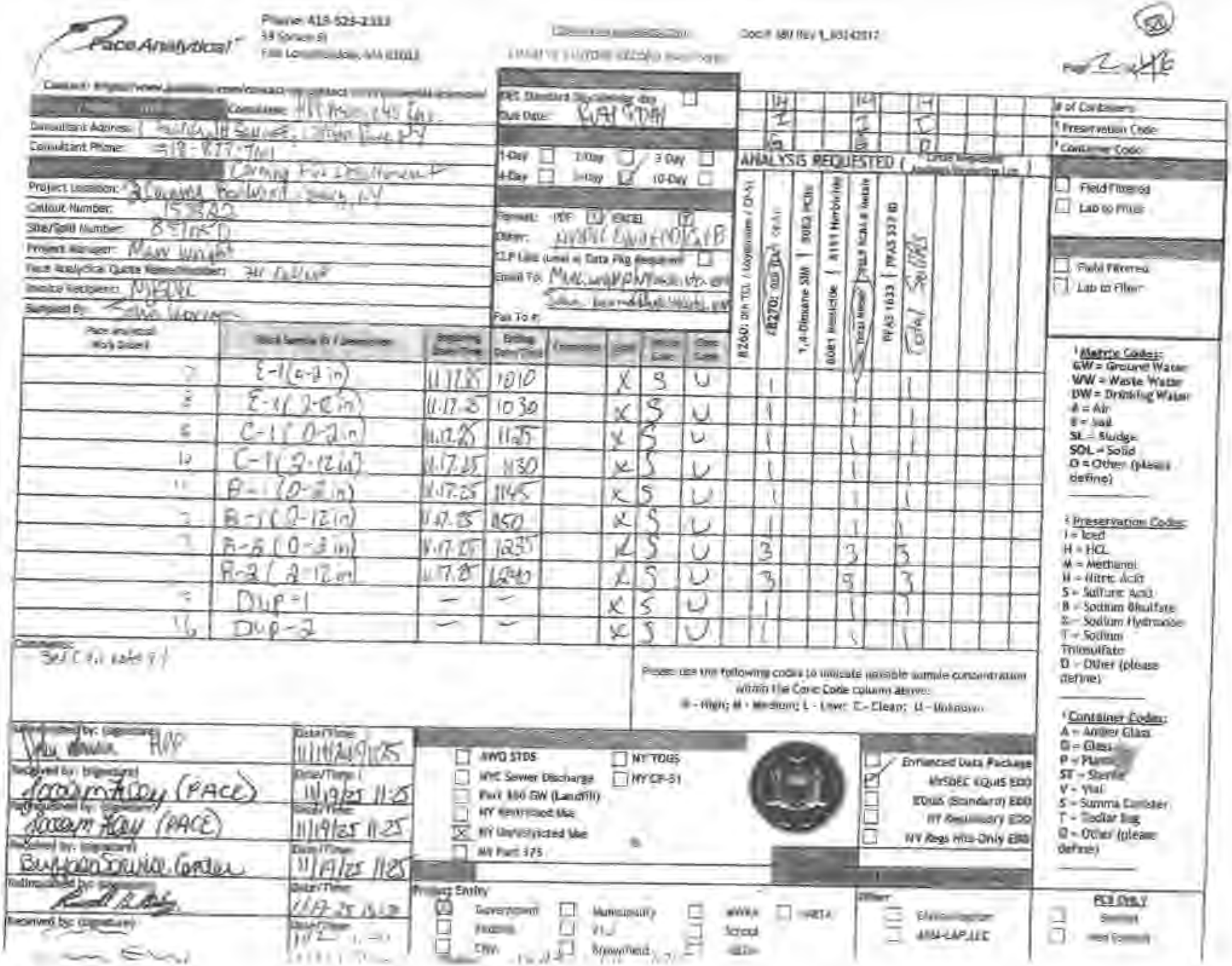
Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Relinquished by: (Signature) — Date/Time: 11/7/25 1:15
Received by: (Signature) Jocelyn Fahey (PACE) — Date/Time: 11/7/25 11:25
Relinquished by: (Signature) Jocelyn Fahey (PACE) — Date/Time: 11/8/25 11:25
Received by: (Signature) Burlington Service Center — Date/Time: 11/10/25 11:25
Relinquished by: (Signature) — Date/Time: 11/12/25 12:
Received by: (Signature) — Date/Time:

841



Pace Analytical

Phone: 413-525-2332
39 Spruce St
East Longmeadow, MA 01028

Doc#: 680 Rev 1_8/14/2017

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Contact: https://www.pacelabs.com/contact-us/ or contact your PM directly

Company: [illegible]
Consultant Address: [illegible]
Consultant Phone: 518-877-7101
Project Location: Corning Inc. [illegible]
Callout Number: 153382
Site/Spill Number: BS1058
Project Manager: Mary Wright
Pace Analytical Quote Name/Number: [illegible]
Invoice Recipient: [illegible]
Samples By: [illegible]

PST Standard Turnaround day
Due Date: [illegible]

1-Day ☐ 2-Day ☐ 3 Day ☐
4-Day ☐ 5-Day ☐ 10-Day ☐

Format: PDF ☐ EXCEL ☐
Other: [illegible]
CLP Like (Level 4 Data Pkg Required) ☐
Email To: [illegible]
Fax To #:

ANALYSIS REQUESTED (Analysis Turnaround Time)

Pace Analytical Work Order #	Client Sample ID / Description	Collection Date/Time	Collection Date/Time	Comments	Matrix	Matrix Code	Client Code	#260: 8260 TCL / Oxygenates / DO-51	#270: 8270 TCL	1,4-Dioxane SIM	8081 Pesticides	8151 Herbicides	Total Solids & Metals	PFAS 1633	PFAS 537 ID	Total Solids	# of Containers	Preservation Code	Container Code
7	E-1 (0-2 in)	11.17.25	1010		X	S	U		1				1			1			
8	E-1 (2-6 in)	11.17.25	1030		X	S	U		1				1			1			
9	C-1 (0-2 in)	11.17.25	1135		X	S	U		1				1			1			
10	C-1 (2-12 in)	11.17.25	1130		X	S	U		1				1			1			
11	B-1 (0-2 in)	11.17.25	1145		X	S	U		1				1			1			
2	B-1 (2-12 in)	11.17.25	1150		X	S	U		1				1			1			
3	B-2 (0-2 in)	11.17.25	1235		X	S	U		3				3			3			
4	B-2 (2-12 in)	11.17.25	1240		X	S	U		3				3			3			
5	Dup-1	—	—		X	S	U		1				1			1			
16	Dup-2	—	—		X	S	U		1				1			1			

Containers: 3oz (4), water (1)

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

☐ Field Filtered
☐ Lab to Filter

☐ Field Filtered
☐ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Relinquished by: (Signature)	Date/Time:
[illegible] RAP	11/19/25 11:25
Received by: (Signature)	Date/Time:
[illegible] (PACE)	11/19/25 11:25
Relinquished by: (Signature)	Date/Time:
[illegible] (PACE)	11/19/25 11:25
Received by: (Signature)	Date/Time:
Buffalo Service Center	11/A/25 1125
Relinquished by: (Signature)	Date/Time:
[illegible]	11/A/25 1530
Received by: (Signature)	Date/Time:
[illegible]	[illegible]

☐ NWQ STDS
☐ NYC Sewer Discharge
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☒ NY Unrestricted Use
☐ NH Part 375
☐ NY TOGS
☐ NY CP-51

☐ Enhanced Data Package
☐ MASSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Deliverable EDD
☐ NY Regs Hits-Only EDD

Project Entry
☐ Government ☐ Municipality ☐ WWTA ☐ VRP
☐ Federal ☐ VCP ☐ School
☐ CRA ☐ Brownfield

Other
☐ [illegible]
☐ ANA-LAP,LLC

PCB Only
☐ Section
☐ Hot Content

Metals

Inorganic Data
(ICP Analysis)

Form 1
METALS

Client	: Pace New England	Lab Number	: L2574898
Project Name	: 25K1213	Project Number	: 25K1213
Lab ID	: L2574898-15	Date Collected	: 11/17/25 00:00
Client ID	: DUP-1	Date Received	: 11/21/25
Sample Location	:	Date Analyzed	: 11/26/25 23:51
Sample Matrix	: SOIL	Dilution Factor	: 2
Analytical Method	: 1,6010D	Analyst	: JMF
Lab File ID	: WG2146815.pdf	Instrument ID	: TRACE11
Sample Amount	: 1.323g	%Solids	: 75
Digestion Method	: EPA 3050B	Date Digested	: 11/25/25

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	4740	10.1	3.27	
7440-36-0	Antimony, Total	ND	5.03	3.87	U
7440-38-2	Arsenic, Total	6.77	1.01	0.435	
7440-39-3	Barium, Total	61.9	1.01	0.107	
7440-41-7	Beryllium, Total	0.339	0.503	0.055	J
7440-42-8	Boron, Total	5.87	3.02	0.581	
7440-43-9	Cadmium, Total	0.800	1.01	0.055	J
7440-70-2	Calcium, Total	2550	10.1	5.71	
7440-47-3	Chromium, Total	7.05	1.01	0.853	
7440-48-4	Cobalt, Total	6.62	2.01	0.250	
7440-50-8	Copper, Total	12.6	1.01	0.228	
7439-89-6	Iron, Total	11300	5.03	1.06	
7439-92-1	Lead, Total	58.4	5.03	0.240	
7439-95-4	Magnesium, Total	1780	10.1	1.64	
7439-96-5	Manganese, Total	370	1.01	0.539	
7440-02-0	Nickel, Total	13.0	2.52	0.813	
7440-09-7	Potassium, Total	560	252	51.0	
7782-49-2	Selenium, Total	0.471	2.01	0.331	J
7440-22-4	Silver, Total	ND	0.503	0.300	U
7440-23-5	Sodium, Total	ND	201	107.	U
7440-28-0	Thallium, Total	ND	2.01	0.908	U
7440-62-2	Vanadium, Total	6.79	1.01	0.152	
7440-66-6	Zinc, Total	66.1	5.03	0.610	

Form 1
METALS

Client	: Pace New England	Lab Number	: L2574898
Project Name	: 25K1213	Project Number	: 25K1213
Lab ID	: L2574898-16	Date Collected	: 11/17/25 00:00
Client ID	: DUP-2	Date Received	: 11/21/25
Sample Location	:	Date Analyzed	: 11/26/25 23:53
Sample Matrix	: SOIL	Dilution Factor	: 2
Analytical Method	: 1,6010D	Analyst	: JMF
Lab File ID	: WG2146815.pdf	Instrument ID	: TRACE11
Sample Amount	: 1.286g	%Solids	: 85
Digestion Method	: EPA 3050B	Date Digested	: 11/25/25

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	6390	9.12	2.96	
7440-36-0	Antimony, Total	ND	4.56	3.51	U
7440-38-2	Arsenic, Total	8.95	0.912	0.394	
7440-39-3	Barium, Total	84.4	0.912	0.097	
7440-41-7	Beryllium, Total	0.455	0.456	0.050	J
7440-42-8	Boron, Total	7.06	2.73	0.526	
7440-43-9	Cadmium, Total	0.949	0.912	0.050	
7440-70-2	Calcium, Total	3500	9.12	5.17	
7440-47-3	Chromium, Total	9.57	0.912	0.773	
7440-48-4	Cobalt, Total	8.75	1.82	0.226	
7440-50-8	Copper, Total	17.2	0.912	0.207	
7439-89-6	Iron, Total	15000	4.56	0.957	
7439-92-1	Lead, Total	77.0	4.56	0.217	
7439-95-4	Magnesium, Total	2420	9.12	1.48	
7439-96-5	Manganese, Total	500	0.912	0.489	
7440-02-0	Nickel, Total	17.4	2.28	0.736	
7440-09-7	Potassium, Total	644	228	46.2	
7782-49-2	Selenium, Total	0.558	1.82	0.300	J
7440-22-4	Silver, Total	ND	0.456	0.272	U
7440-23-5	Sodium, Total	ND	182	96.6	U
7440-28-0	Thallium, Total	ND	1.82	0.822	U
7440-62-2	Vanadium, Total	9.12	0.912	0.138	
7440-66-6	Zinc, Total	84.7	4.56	0.552	

Form 1
METALS

Client	: Pace New England	Lab Number	: L2574898
Project Name	: 25K1213	Project Number	: 25K1213
Lab ID	: WG2146097-1	Date Collected	: NA
Client ID	: WG2146097-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 11/26/25 22:01
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,6010D	Analyst	: JMF
Lab File ID	: WG2146815.pdf	Instrument ID	: TRACE11
Sample Amount	: 1.25g	%Solids	: NA
Digestion Method	: EPA 3050B	Date Digested	: 11/25/25

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	ND	4.00	1.30	U
7440-36-0	Antimony, Total	ND	2.00	1.54	U
7440-38-2	Arsenic, Total	ND	0.400	0.173	U
7440-39-3	Barium, Total	ND	0.400	0.042	U
7440-41-7	Beryllium, Total	ND	0.200	0.022	U
7440-42-8	Boron, Total	ND	1.20	0.231	U
7440-43-9	Cadmium, Total	ND	0.400	0.022	U
7440-70-2	Calcium, Total	ND	4.00	2.27	U
7440-47-3	Chromium, Total	ND	0.400	0.339	U
7440-48-4	Cobalt, Total	ND	0.800	0.099	U
7440-50-8	Copper, Total	ND	0.400	0.091	U
7439-89-6	Iron, Total	0.508	2.00	0.420	J
7439-92-1	Lead, Total	ND	2.00	0.095	U
7439-95-4	Magnesium, Total	ND	4.00	0.652	U
7439-96-5	Manganese, Total	ND	0.400	0.214	U
7440-02-0	Nickel, Total	ND	1.00	0.323	U
7440-09-7	Potassium, Total	ND	100	20.3	U
7782-49-2	Selenium, Total	ND	0.800	0.132	U
7440-22-4	Silver, Total	ND	0.200	0.119	U
7440-23-5	Sodium, Total	ND	80.0	42.4	U
7440-28-0	Thallium, Total	ND	0.800	0.361	U
7440-62-2	Vanadium, Total	ND	0.400	0.060	U
7440-66-6	Zinc, Total	ND	2.00	0.242	U

Form 1
METALS

Client	: Pace New England	Lab Number	: L2574898
Project Name	: 25K1213	Project Number	: 25K1213
Lab ID	: L2574898-01	Date Collected	: 11/17/25 13:10
Client ID	: C-2 (0-2IN)	Date Received	: 11/21/25
Sample Location	:	Date Analyzed	: 11/28/25 07:52
Sample Matrix	: SOIL	Dilution Factor	: 2
Analytical Method	: 1,6010D	Analyst	: LRS
Lab File ID	: WG2147204.pdf	Instrument ID	: TRACE11
Sample Amount	: 1.28g	%Solids	: 80
Digestion Method	: EPA 3050B	Date Digested	: 11/25/25

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	6250	9.78	3.18	
7440-36-0	Antimony, Total	ND	4.89	3.76	U
7440-38-2	Arsenic, Total	5.20	0.978	0.422	
7440-39-3	Barium, Total	84.3	0.978	0.104	
7440-41-7	Beryllium, Total	0.354	0.489	0.054	J
7440-42-8	Boron, Total	1.97	2.93	0.564	J
7440-43-9	Cadmium, Total	0.300	0.978	0.054	J
7440-70-2	Calcium, Total	1480	9.78	5.54	
7440-47-3	Chromium, Total	8.46	0.978	0.829	
7440-48-4	Cobalt, Total	7.11	1.96	0.242	
7440-50-8	Copper, Total	12.2	0.978	0.222	
7439-89-6	Iron, Total	14200	4.89	1.03	
7439-92-1	Lead, Total	28.9	4.89	0.233	
7439-95-4	Magnesium, Total	2050	9.78	1.59	
7439-96-5	Manganese, Total	406	0.978	0.524	
7440-02-0	Nickel, Total	14.4	2.44	0.790	
7440-09-7	Potassium, Total	580	244	49.6	
7782-49-2	Selenium, Total	ND	1.96	0.322	U
7440-22-4	Silver, Total	ND	0.489	0.291	U
7440-23-5	Sodium, Total	ND	196	104.	U
7440-28-0	Thallium, Total	ND	1.96	0.882	U
7440-62-2	Vanadium, Total	8.60	0.978	0.148	
7440-66-6	Zinc, Total	54.9	4.89	0.592	

Form 1
METALS

Client	: Pace New England	Lab Number	: L2574898
Project Name	: 25K1213	Project Number	: 25K1213
Lab ID	: L2574898-02	Date Collected	: 11/17/25 13:15
Client ID	: C-2 (2-12IN)	Date Received	: 11/21/25
Sample Location	:	Date Analyzed	: 11/28/25 07:54
Sample Matrix	: SOIL	Dilution Factor	: 2
Analytical Method	: 1,6010D	Analyst	: LRS
Lab File ID	: WG2147204.pdf	Instrument ID	: TRACE11
Sample Amount	: 1.288g	%Solids	: 83
Digestion Method	: EPA 3050B	Date Digested	: 11/25/25

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	6220	9.33	3.03	
7440-36-0	Antimony, Total	ND	4.66	3.59	U
7440-38-2	Arsenic, Total	5.07	0.933	0.403	
7440-39-3	Barium, Total	84.9	0.933	0.099	
7440-41-7	Beryllium, Total	0.351	0.466	0.051	J
7440-42-8	Boron, Total	1.59	2.80	0.538	J
7440-43-9	Cadmium, Total	0.300	0.933	0.051	J
7440-70-2	Calcium, Total	1370	9.33	5.29	
7440-47-3	Chromium, Total	8.52	0.933	0.791	
7440-48-4	Cobalt, Total	7.20	1.87	0.231	
7440-50-8	Copper, Total	12.2	0.933	0.212	
7439-89-6	Iron, Total	14200	4.66	0.980	
7439-92-1	Lead, Total	28.3	4.66	0.222	
7439-95-4	Magnesium, Total	2040	9.33	1.52	
7439-96-5	Manganese, Total	423	0.933	0.500	
7440-02-0	Nickel, Total	14.6	2.33	0.754	
7440-09-7	Potassium, Total	479	233	47.3	
7782-49-2	Selenium, Total	0.323	1.87	0.307	J
7440-22-4	Silver, Total	ND	0.466	0.278	U
7440-23-5	Sodium, Total	ND	187	98.9	U
7440-28-0	Thallium, Total	ND	1.87	0.842	U
7440-62-2	Vanadium, Total	8.59	0.933	0.141	
7440-66-6	Zinc, Total	54.6	4.66	0.566	

Form 1
METALS

Client	: Pace New England	Lab Number	: L2574898
Project Name	: 25K1213	Project Number	: 25K1213
Lab ID	: L2574898-03	Date Collected	: 11/17/25 14:00
Client ID	: C-3 (0-2IN)	Date Received	: 11/21/25
Sample Location	:	Date Analyzed	: 11/28/25 08:16
Sample Matrix	: SOIL	Dilution Factor	: 2
Analytical Method	: 1,6010D	Analyst	: LRS
Lab File ID	: WG2147204.pdf	Instrument ID	: TRACE11
Sample Amount	: 1.291g	%Solids	: 75
Digestion Method	: EPA 3050B	Date Digested	: 11/25/25

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	6330	10.4	3.38	
7440-36-0	Antimony, Total	ND	5.20	4.00	U
7440-38-2	Arsenic, Total	5.84	1.04	0.449	
7440-39-3	Barium, Total	84.8	1.04	0.110	
7440-41-7	Beryllium, Total	0.351	0.520	0.057	J
7440-42-8	Boron, Total	3.45	3.12	0.600	
7440-43-9	Cadmium, Total	0.288	1.04	0.057	J
7440-70-2	Calcium, Total	5180	10.4	5.90	
7440-47-3	Chromium, Total	10.0	1.04	0.882	
7440-48-4	Cobalt, Total	6.69	2.08	0.258	
7440-50-8	Copper, Total	16.5	1.04	0.236	
7439-89-6	Iron, Total	16100	5.20	1.09	
7439-92-1	Lead, Total	13.7	5.20	0.247	
7439-95-4	Magnesium, Total	3010	10.4	1.69	
7439-96-5	Manganese, Total	450	1.04	0.557	
7440-02-0	Nickel, Total	13.6	2.60	0.840	
7440-09-7	Potassium, Total	591	260	52.7	
7782-49-2	Selenium, Total	ND	2.08	0.342	U
7440-22-4	Silver, Total	ND	0.520	0.310	U
7440-23-5	Sodium, Total	738	208	110.	
7440-28-0	Thallium, Total	ND	2.08	0.938	U
7440-62-2	Vanadium, Total	9.28	1.04	0.157	
7440-66-6	Zinc, Total	57.0	5.20	0.630	

Form 1
METALS

Client	: Pace New England	Lab Number	: L2574898
Project Name	: 25K1213	Project Number	: 25K1213
Lab ID	: L2574898-04	Date Collected	: 11/17/25 14:05
Client ID	: C-3 (2-12IN)	Date Received	: 11/21/25
Sample Location	:	Date Analyzed	: 11/28/25 08:18
Sample Matrix	: SOIL	Dilution Factor	: 2
Analytical Method	: 1,6010D	Analyst	: LRS
Lab File ID	: WG2147204.pdf	Instrument ID	: TRACE11
Sample Amount	: 1.29g	%Solids	: 86
Digestion Method	: EPA 3050B	Date Digested	: 11/25/25

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	9630	9.04	2.94	
7440-36-0	Antimony, Total	ND	4.52	3.48	U
7440-38-2	Arsenic, Total	5.91	0.904	0.391	
7440-39-3	Barium, Total	129	0.904	0.096	
7440-41-7	Beryllium, Total	0.503	0.452	0.050	
7440-42-8	Boron, Total	1.54	2.71	0.522	J
7440-43-9	Cadmium, Total	0.204	0.904	0.050	J
7440-70-2	Calcium, Total	3560	9.04	5.13	
7440-47-3	Chromium, Total	12.6	0.904	0.767	
7440-48-4	Cobalt, Total	9.58	1.81	0.224	
7440-50-8	Copper, Total	13.8	0.904	0.205	
7439-89-6	Iron, Total	21300	4.52	0.950	
7439-92-1	Lead, Total	8.92	4.52	0.215	
7439-95-4	Magnesium, Total	3470	9.04	1.47	
7439-96-5	Manganese, Total	463	0.904	0.485	
7440-02-0	Nickel, Total	19.0	2.26	0.731	
7440-09-7	Potassium, Total	667	226	45.9	
7782-49-2	Selenium, Total	ND	1.81	0.298	U
7440-22-4	Silver, Total	ND	0.452	0.270	U
7440-23-5	Sodium, Total	669	181	95.9	
7440-28-0	Thallium, Total	ND	1.81	0.816	U
7440-62-2	Vanadium, Total	15.3	0.904	0.136	
7440-66-6	Zinc, Total	52.1	4.52	0.548	

Form 1
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Client	: Pace New England	Lab Number	: L2574898
Project Name	: 25K1213	Project Number	: 25K1213
Lab ID	: L2574898-05	Date Collected	: 11/17/25 09:50
Client ID	: E-4 (0-2IN)	Date Received	: 11/21/25
Sample Location	:	Date Analyzed	: 11/28/25 08:20
Sample Matrix	: SOIL	Dilution Factor	: 2
Analytical Method	: 1,6010D	Analyst	: LRS
Lab File ID	: WG2147204.pdf	Instrument ID	: TRACE11
Sample Amount	: 1.31g	%Solids	: 77
Digestion Method	: EPA 3050B	Date Digested	: 11/25/25

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	9370	9.90	3.22	
7440-36-0	Antimony, Total	ND	4.95	3.81	U
7440-38-2	Arsenic, Total	5.84	0.990	0.428	
7440-39-3	Barium, Total	99.4	0.990	0.105	
7440-41-7	Beryllium, Total	0.503	0.495	0.054	
7440-42-8	Boron, Total	2.06	2.97	0.571	J
7440-43-9	Cadmium, Total	0.156	0.990	0.054	J
7440-70-2	Calcium, Total	3570	9.90	5.61	
7440-47-3	Chromium, Total	12.2	0.990	0.840	
7440-48-4	Cobalt, Total	8.60	1.98	0.246	
7440-50-8	Copper, Total	15.0	0.990	0.225	
7439-89-6	Iron, Total	19700	4.95	1.04	
7439-92-1	Lead, Total	11.9	4.95	0.236	
7439-95-4	Magnesium, Total	3790	9.90	1.61	
7439-96-5	Manganese, Total	596	0.990	0.531	
7440-02-0	Nickel, Total	19.1	2.48	0.800	
7440-09-7	Potassium, Total	666	248	50.2	
7782-49-2	Selenium, Total	ND	1.98	0.326	U
7440-22-4	Silver, Total	ND	0.495	0.295	U
7440-23-5	Sodium, Total	362	198	105.	
7440-28-0	Thallium, Total	ND	1.98	0.893	U
7440-62-2	Vanadium, Total	13.4	0.990	0.150	
7440-66-6	Zinc, Total	58.3	4.95	0.600	

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Client	: Pace New England	Lab Number	: L2574898
Project Name	: 25K1213	Project Number	: 25K1213
Lab ID	: L2574898-06	Date Collected	: 11/17/25 09:55
Client ID	: E-4 (2-12IN)	Date Received	: 11/21/25
Sample Location	:	Date Analyzed	: 11/28/25 08:22
Sample Matrix	: SOIL	Dilution Factor	: 2
Analytical Method	: 1,6010D	Analyst	: LRS
Lab File ID	: WG2147204.pdf	Instrument ID	: TRACE11
Sample Amount	: 1.292g	%Solids	: 83
Digestion Method	: EPA 3050B	Date Digested	: 11/25/25

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	9840	9.34	3.03	
7440-36-0	Antimony, Total	ND	4.67	3.59	U
7440-38-2	Arsenic, Total	5.16	0.934	0.403	
7440-39-3	Barium, Total	113	0.934	0.099	
7440-41-7	Beryllium, Total	0.507	0.467	0.051	
7440-42-8	Boron, Total	1.70	2.80	0.539	J
7440-43-9	Cadmium, Total	0.155	0.934	0.051	J
7440-70-2	Calcium, Total	7660	9.34	5.29	
7440-47-3	Chromium, Total	12.9	0.934	0.792	
7440-48-4	Cobalt, Total	9.36	1.87	0.232	
7440-50-8	Copper, Total	15.9	0.934	0.212	
7439-89-6	Iron, Total	21400	4.67	0.980	
7439-92-1	Lead, Total	7.86	4.67	0.222	
7439-95-4	Magnesium, Total	3800	9.34	1.52	
7439-96-5	Manganese, Total	412	0.934	0.500	
7440-02-0	Nickel, Total	19.2	2.33	0.754	
7440-09-7	Potassium, Total	714	233	47.3	
7782-49-2	Selenium, Total	ND	1.87	0.307	U
7440-22-4	Silver, Total	ND	0.467	0.278	U
7440-23-5	Sodium, Total	249	187	99.0	
7440-28-0	Thallium, Total	ND	1.87	0.842	U
7440-62-2	Vanadium, Total	15.9	0.934	0.141	
7440-66-6	Zinc, Total	50.7	4.67	0.566	

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Client	: Pace New England	Lab Number	: L2574898
Project Name	: 25K1213	Project Number	: 25K1213
Lab ID	: L2574898-07	Date Collected	: 11/17/25 10:10
Client ID	: E-1 (0-2IN)	Date Received	: 11/21/25
Sample Location	:	Date Analyzed	: 11/28/25 08:24
Sample Matrix	: SOIL	Dilution Factor	: 2
Analytical Method	: 1,6010D	Analyst	: LRS
Lab File ID	: WG2147204.pdf	Instrument ID	: TRACE11
Sample Amount	: 1.287g	%Solids	: 75
Digestion Method	: EPA 3050B	Date Digested	: 11/25/25

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	7850	10.3	3.36	
7440-36-0	Antimony, Total	ND	5.17	3.98	U
7440-38-2	Arsenic, Total	6.34	1.03	0.447	
7440-39-3	Barium, Total	98.6	1.03	0.110	
7440-41-7	Beryllium, Total	0.477	0.517	0.057	J
7440-42-8	Boron, Total	5.12	3.10	0.597	
7440-43-9	Cadmium, Total	0.468	1.03	0.057	J
7440-70-2	Calcium, Total	2280	10.3	5.87	
7440-47-3	Chromium, Total	10.8	1.03	0.877	
7440-48-4	Cobalt, Total	8.70	2.07	0.256	
7440-50-8	Copper, Total	14.4	1.03	0.235	
7439-89-6	Iron, Total	17600	5.17	1.09	
7439-92-1	Lead, Total	38.0	5.17	0.246	
7439-95-4	Magnesium, Total	2620	10.3	1.69	
7439-96-5	Manganese, Total	491	1.03	0.554	
7440-02-0	Nickel, Total	17.7	2.59	0.836	
7440-09-7	Potassium, Total	576	259	52.4	
7782-49-2	Selenium, Total	0.512	2.07	0.340	J
7440-22-4	Silver, Total	ND	0.517	0.308	U
7440-23-5	Sodium, Total	ND	207	110.	U
7440-28-0	Thallium, Total	ND	2.07	0.933	U
7440-62-2	Vanadium, Total	10.9	1.03	0.156	
7440-66-6	Zinc, Total	65.0	5.17	0.627	

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Client	: Pace New England	Lab Number	: L2574898
Project Name	: 25K1213	Project Number	: 25K1213
Lab ID	: L2574898-08	Date Collected	: 11/17/25 10:30
Client ID	: E-1 (2-12IN)	Date Received	: 11/21/25
Sample Location	:	Date Analyzed	: 11/28/25 08:26
Sample Matrix	: SOIL	Dilution Factor	: 2
Analytical Method	: 1,6010D	Analyst	: LRS
Lab File ID	: WG2147204.pdf	Instrument ID	: TRACE11
Sample Amount	: 1.316g	%Solids	: 83
Digestion Method	: EPA 3050B	Date Digested	: 11/25/25

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	7280	9.18	2.98	
7440-36-0	Antimony, Total	ND	4.59	3.53	U
7440-38-2	Arsenic, Total	5.66	0.918	0.396	
7440-39-3	Barium, Total	94.6	0.918	0.097	
7440-41-7	Beryllium, Total	0.426	0.459	0.051	J
7440-42-8	Boron, Total	5.11	2.75	0.530	
7440-43-9	Cadmium, Total	0.585	0.918	0.051	J
7440-70-2	Calcium, Total	1870	9.18	5.20	
7440-47-3	Chromium, Total	9.51	0.918	0.778	
7440-48-4	Cobalt, Total	7.91	1.84	0.228	
7440-50-8	Copper, Total	11.9	0.918	0.208	
7439-89-6	Iron, Total	16100	4.59	0.964	
7439-92-1	Lead, Total	31.3	4.59	0.218	
7439-95-4	Magnesium, Total	2370	9.18	1.50	
7439-96-5	Manganese, Total	536	0.918	0.492	
7440-02-0	Nickel, Total	16.0	2.29	0.742	
7440-09-7	Potassium, Total	444	229	46.5	
7782-49-2	Selenium, Total	0.425	1.84	0.302	J
7440-22-4	Silver, Total	ND	0.459	0.273	U
7440-23-5	Sodium, Total	ND	184	97.3	U
7440-28-0	Thallium, Total	ND	1.84	0.828	U
7440-62-2	Vanadium, Total	10.0	0.918	0.138	
7440-66-6	Zinc, Total	55.1	4.59	0.556	

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Client	: Pace New England	Lab Number	: L2574898
Project Name	: 25K1213	Project Number	: 25K1213
Lab ID	: L2574898-09	Date Collected	: 11/17/25 11:25
Client ID	: C-1 (0-2IN)	Date Received	: 11/21/25
Sample Location	:	Date Analyzed	: 11/28/25 08:29
Sample Matrix	: SOIL	Dilution Factor	: 2
Analytical Method	: 1,6010D	Analyst	: LRS
Lab File ID	: WG2147204.pdf	Instrument ID	: TRACE11
Sample Amount	: 1.304g	%Solids	: 80
Digestion Method	: EPA 3050B	Date Digested	: 11/25/25

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	9070	9.60	3.12	
7440-36-0	Antimony, Total	ND	4.80	3.70	U
7440-38-2	Arsenic, Total	6.11	0.960	0.415	
7440-39-3	Barium, Total	114	0.960	0.102	
7440-41-7	Beryllium, Total	0.498	0.480	0.053	
7440-42-8	Boron, Total	1.76	2.88	0.554	J
7440-43-9	Cadmium, Total	0.257	0.960	0.053	J
7440-70-2	Calcium, Total	4190	9.60	5.44	
7440-47-3	Chromium, Total	12.1	0.960	0.814	
7440-48-4	Cobalt, Total	8.62	1.92	0.238	
7440-50-8	Copper, Total	15.3	0.960	0.218	
7439-89-6	Iron, Total	19000	4.80	1.01	
7439-92-1	Lead, Total	16.1	4.80	0.228	
7439-95-4	Magnesium, Total	2880	9.60	1.56	
7439-96-5	Manganese, Total	674	0.960	0.514	
7440-02-0	Nickel, Total	18.6	2.40	0.776	
7440-09-7	Potassium, Total	657	240	48.7	
7782-49-2	Selenium, Total	0.417	1.92	0.316	J
7440-22-4	Silver, Total	ND	0.480	0.286	U
7440-23-5	Sodium, Total	350	192	102.	
7440-28-0	Thallium, Total	ND	1.92	0.866	U
7440-62-2	Vanadium, Total	12.3	0.960	0.145	
7440-66-6	Zinc, Total	60.8	4.80	0.582	

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Client	: Pace New England	Lab Number	: L2574898
Project Name	: 25K1213	Project Number	: 25K1213
Lab ID	: L2574898-10	Date Collected	: 11/17/25 11:30
Client ID	: C-1 (2-12IN)	Date Received	: 11/21/25
Sample Location	:	Date Analyzed	: 11/28/25 08:31
Sample Matrix	: SOIL	Dilution Factor	: 2
Analytical Method	: 1,6010D	Analyst	: LRS
Lab File ID	: WG2147204.pdf	Instrument ID	: TRACE11
Sample Amount	: 1.287g	%Solids	: 88
Digestion Method	: EPA 3050B	Date Digested	: 11/25/25

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	9360	8.84	2.87	
7440-36-0	Antimony, Total	ND	4.42	3.40	U
7440-38-2	Arsenic, Total	5.76	0.884	0.382	
7440-39-3	Barium, Total	132	0.884	0.094	
7440-41-7	Beryllium, Total	0.492	0.442	0.049	
7440-42-8	Boron, Total	1.54	2.65	0.510	J
7440-43-9	Cadmium, Total	0.180	0.884	0.049	J
7440-70-2	Calcium, Total	7790	8.84	5.01	
7440-47-3	Chromium, Total	12.2	0.884	0.750	
7440-48-4	Cobalt, Total	8.98	1.77	0.219	
7440-50-8	Copper, Total	14.7	0.884	0.201	
7439-89-6	Iron, Total	19600	4.42	0.928	
7439-92-1	Lead, Total	12.2	4.42	0.210	
7439-95-4	Magnesium, Total	3440	8.84	1.44	
7439-96-5	Manganese, Total	540	0.884	0.474	
7440-02-0	Nickel, Total	18.0	2.21	0.714	
7440-09-7	Potassium, Total	648	221	44.8	
7782-49-2	Selenium, Total	ND	1.77	0.291	U
7440-22-4	Silver, Total	ND	0.442	0.263	U
7440-23-5	Sodium, Total	357	177	93.7	
7440-28-0	Thallium, Total	ND	1.77	0.797	U
7440-62-2	Vanadium, Total	14.0	0.884	0.133	
7440-66-6	Zinc, Total	54.5	4.42	0.536	

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Client	: Pace New England	Lab Number	: L2574898
Project Name	: 25K1213	Project Number	: 25K1213
Lab ID	: L2574898-11	Date Collected	: 11/17/25 11:45
Client ID	: B-1 (0-2IN)	Date Received	: 11/21/25
Sample Location	:	Date Analyzed	: 11/28/25 08:33
Sample Matrix	: SOIL	Dilution Factor	: 2
Analytical Method	: 1,6010D	Analyst	: LRS
Lab File ID	: WG2147204.pdf	Instrument ID	: TRACE11
Sample Amount	: 1.324g	%Solids	: 79
Digestion Method	: EPA 3050B	Date Digested	: 11/25/25

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	7100	9.52	3.10	
7440-36-0	Antimony, Total	ND	4.76	3.67	U
7440-38-2	Arsenic, Total	9.10	0.952	0.411	
7440-39-3	Barium, Total	101	0.952	0.101	
7440-41-7	Beryllium, Total	0.577	0.476	0.052	
7440-42-8	Boron, Total	5.30	2.86	0.550	
7440-43-9	Cadmium, Total	1.02	0.952	0.052	
7440-70-2	Calcium, Total	2650	9.52	5.40	
7440-47-3	Chromium, Total	11.5	0.952	0.808	
7440-48-4	Cobalt, Total	11.3	1.90	0.236	
7440-50-8	Copper, Total	27.6	0.952	0.216	
7439-89-6	Iron, Total	17800	4.76	1.00	
7439-92-1	Lead, Total	102	4.76	0.227	
7439-95-4	Magnesium, Total	2390	9.52	1.55	
7439-96-5	Manganese, Total	598	0.952	0.510	
7440-02-0	Nickel, Total	20.7	2.38	0.770	
7440-09-7	Potassium, Total	736	238	48.3	
7782-49-2	Selenium, Total	0.847	1.90	0.313	J
7440-22-4	Silver, Total	ND	0.476	0.284	U
7440-23-5	Sodium, Total	ND	190	101.	U
7440-28-0	Thallium, Total	ND	1.90	0.859	U
7440-62-2	Vanadium, Total	10.8	0.952	0.144	
7440-66-6	Zinc, Total	120	4.76	0.577	

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METALS

Client	: Pace New England	Lab Number	: L2574898
Project Name	: 25K1213	Project Number	: 25K1213
Lab ID	: L2574898-12	Date Collected	: 11/17/25 11:50
Client ID	: B-1 (2-12IN)	Date Received	: 11/21/25
Sample Location	:	Date Analyzed	: 11/28/25 08:35
Sample Matrix	: SOIL	Dilution Factor	: 2
Analytical Method	: 1,6010D	Analyst	: LRS
Lab File ID	: WG2147204.pdf	Instrument ID	: TRACE11
Sample Amount	: 1.275g	%Solids	: 89
Digestion Method	: EPA 3050B	Date Digested	: 11/25/25

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	6310	8.85	2.88	
7440-36-0	Antimony, Total	ND	4.43	3.41	U
7440-38-2	Arsenic, Total	14.1	0.885	0.382	
7440-39-3	Barium, Total	108	0.885	0.094	
7440-41-7	Beryllium, Total	0.519	0.443	0.049	
7440-42-8	Boron, Total	8.70	2.66	0.511	
7440-43-9	Cadmium, Total	0.884	0.885	0.049	J
7440-70-2	Calcium, Total	5610	8.85	5.02	
7440-47-3	Chromium, Total	18.4	0.885	0.751	
7440-48-4	Cobalt, Total	10.3	1.77	0.220	
7440-50-8	Copper, Total	46.2	0.885	0.201	
7439-89-6	Iron, Total	22100	4.43	0.929	
7439-92-1	Lead, Total	123	4.43	0.211	
7439-95-4	Magnesium, Total	2770	8.85	1.44	
7439-96-5	Manganese, Total	494	0.885	0.474	
7440-02-0	Nickel, Total	21.0	2.21	0.715	
7440-09-7	Potassium, Total	450	221	44.9	
7782-49-2	Selenium, Total	1.09	1.77	0.291	J
7440-22-4	Silver, Total	ND	0.443	0.264	U
7440-23-5	Sodium, Total	ND	177	93.8	U
7440-28-0	Thallium, Total	ND	1.77	0.798	U
7440-62-2	Vanadium, Total	11.2	0.885	0.134	
7440-66-6	Zinc, Total	127	4.43	0.536	

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METALS

Client	: Pace New England	Lab Number	: L2574898
Project Name	: 25K1213	Project Number	: 25K1213
Lab ID	: L2574898-13	Date Collected	: 11/17/25 12:35
Client ID	: B-2 (0-2IN)	Date Received	: 11/21/25
Sample Location	:	Date Analyzed	: 11/28/25 07:30
Sample Matrix	: SOIL	Dilution Factor	: 2
Analytical Method	: 1,6010D	Analyst	: LRS
Lab File ID	: WG2147204.pdf	Instrument ID	: TRACE11
Sample Amount	: 1.309g	%Solids	: 84
Digestion Method	: EPA 3050B	Date Digested	: 11/25/25

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	5900	9.13	2.97	
7440-36-0	Antimony, Total	ND	4.56	3.51	U
7440-38-2	Arsenic, Total	7.28	0.913	0.394	
7440-39-3	Barium, Total	78.2	0.913	0.097	
7440-41-7	Beryllium, Total	0.423	0.456	0.050	J
7440-42-8	Boron, Total	7.11	2.74	0.527	
7440-43-9	Cadmium, Total	0.819	0.913	0.050	J
7440-70-2	Calcium, Total	2960	9.13	5.18	
7440-47-3	Chromium, Total	8.77	0.913	0.774	
7440-48-4	Cobalt, Total	8.07	1.82	0.226	
7440-50-8	Copper, Total	15.7	0.913	0.207	
7439-89-6	Iron, Total	13800	4.56	0.958	
7439-92-1	Lead, Total	68.1	4.56	0.217	
7439-95-4	Magnesium, Total	2230	9.13	1.49	
7439-96-5	Manganese, Total	458	0.913	0.489	
7440-02-0	Nickel, Total	15.7	2.28	0.737	
7440-09-7	Potassium, Total	640	228	46.3	
7782-49-2	Selenium, Total	0.533	1.82	0.300	J
7440-22-4	Silver, Total	ND	0.456	0.272	U
7440-23-5	Sodium, Total	ND	182	96.7	U
7440-28-0	Thallium, Total	ND	1.82	0.823	U
7440-62-2	Vanadium, Total	8.31	0.913	0.138	
7440-66-6	Zinc, Total	79.4	4.56	0.553	

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METALS

Client	: Pace New England	Lab Number	: L2574898
Project Name	: 25K1213	Project Number	: 25K1213
Lab ID	: L2574898-14	Date Collected	: 11/17/25 12:40
Client ID	: B-2 (2-12IN)	Date Received	: 11/21/25
Sample Location	:	Date Analyzed	: 11/28/25 07:56
Sample Matrix	: SOIL	Dilution Factor	: 2
Analytical Method	: 1,6010D	Analyst	: LRS
Lab File ID	: WG2147204.pdf	Instrument ID	: TRACE11
Sample Amount	: 1.3g	%Solids	: 83
Digestion Method	: EPA 3050B	Date Digested	: 11/25/25

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	6790	9.24	3.00	
7440-36-0	Antimony, Total	ND	4.62	3.56	U
7440-38-2	Arsenic, Total	7.82	0.924	0.399	
7440-39-3	Barium, Total	87.3	0.924	0.098	
7440-41-7	Beryllium, Total	0.479	0.462	0.051	
7440-42-8	Boron, Total	6.50	2.77	0.533	
7440-43-9	Cadmium, Total	0.907	0.924	0.051	J
7440-70-2	Calcium, Total	3610	9.24	5.24	
7440-47-3	Chromium, Total	10.1	0.924	0.784	
7440-48-4	Cobalt, Total	9.25	1.85	0.229	
7440-50-8	Copper, Total	17.8	0.924	0.210	
7439-89-6	Iron, Total	15600	4.62	0.971	
7439-92-1	Lead, Total	74.5	4.62	0.220	
7439-95-4	Magnesium, Total	2580	9.24	1.51	
7439-96-5	Manganese, Total	522	0.924	0.496	
7440-02-0	Nickel, Total	18.2	2.31	0.747	
7440-09-7	Potassium, Total	635	231	46.9	
7782-49-2	Selenium, Total	0.444	1.85	0.304	J
7440-22-4	Silver, Total	ND	0.462	0.276	U
7440-23-5	Sodium, Total	ND	185	98.0	U
7440-28-0	Thallium, Total	ND	1.85	0.834	U
7440-62-2	Vanadium, Total	9.50	0.924	0.140	
7440-66-6	Zinc, Total	90.3	4.62	0.560	

Form 1
METALS

Client	: Pace New England	Lab Number	: L2574898
Project Name	: 25K1213	Project Number	: 25K1213
Lab ID	: WG2146092-1	Date Collected	: NA
Client ID	: WG2146092-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 11/28/25 07:19
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,6010D	Analyst	: LRS
Lab File ID	: WG2147204.pdf	Instrument ID	: TRACE11
Sample Amount	: 1.25g	%Solids	: NA
Digestion Method	: EPA 3050B	Date Digested	: 11/25/25

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	ND	4.00	1.30	U
7440-36-0	Antimony, Total	ND	2.00	1.54	U
7440-38-2	Arsenic, Total	ND	0.400	0.173	U
7440-39-3	Barium, Total	ND	0.400	0.042	U
7440-41-7	Beryllium, Total	ND	0.200	0.022	U
7440-42-8	Boron, Total	ND	1.20	0.231	U
7440-43-9	Cadmium, Total	ND	0.400	0.022	U
7440-70-2	Calcium, Total	ND	4.00	2.27	U
7440-47-3	Chromium, Total	ND	0.400	0.339	U
7440-48-4	Cobalt, Total	ND	0.800	0.099	U
7440-50-8	Copper, Total	ND	0.400	0.091	U
7439-89-6	Iron, Total	0.608	2.00	0.420	J
7439-92-1	Lead, Total	ND	2.00	0.095	U
7439-95-4	Magnesium, Total	ND	4.00	0.652	U
7439-96-5	Manganese, Total	ND	0.400	0.214	U
7440-02-0	Nickel, Total	ND	1.00	0.323	U
7440-09-7	Potassium, Total	ND	100	20.3	U
7782-49-2	Selenium, Total	ND	0.800	0.132	U
7440-22-4	Silver, Total	ND	0.200	0.119	U
7440-23-5	Sodium, Total	ND	80.0	42.4	U
7440-28-0	Thallium, Total	ND	0.800	0.361	U
7440-62-2	Vanadium, Total	ND	0.400	0.060	U
7440-66-6	Zinc, Total	ND	2.00	0.242	U

Form 1
METALS

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Lab ID	: WG2146092-6	**Date Collected**	:
Client ID	: Serial Dilution	**Date Received**	:
Sample Location	:	**Date Analyzed**	: 11/28/25 07:39
Sample Matrix	: SOIL	**Dilution Factor**	: 10
Analytical Method	: 1,6010D	**Analyst**	: LRS
Lab File ID	: WG2147204.pdf	**Instrument ID**	: TRACE11
Sample Amount	: 1.309g	**%Solids**	: NA
Digestion Method	: EPA 3050B	**Date Digested**	: 11/25/25

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Total	5690	45.6	14.8	
7440-39-3	Barium, Total	75.1	4.56	0.484	
7440-70-2	Calcium, Total	2850	45.6	25.9	
7439-89-6	Iron, Total	13600	22.8	4.79	
7439-95-4	Magnesium, Total	2250	45.6	7.44	
7439-96-5	Manganese, Total	447.	4.56	2.45	

Form 1
METALS

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Lab ID	: WG2146092-10	**Date Collected**	:
Client ID	: Serial Dilution	**Date Received**	:
Sample Location	:	**Date Analyzed**	: 11/28/25 08:05
Sample Matrix	: SOIL	**Dilution Factor**	: 10
Analytical Method	: 1,6010D	**Analyst**	: LRS
Lab File ID	: WG2147204.pdf	**Instrument ID**	: TRACE11
Sample Amount	: 1.3g	**%Solids**	: NA
Digestion Method	: EPA 3050B	**Date Digested**	: 11/25/25

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Total	6540	46.2	15.0	
7440-39-3	Barium, Total	83.7	4.62	0.490	
7440-70-2	Calcium, Total	3470	46.2	26.2	
7439-89-6	Iron, Total	15400	23.1	4.85	
7439-95-4	Magnesium, Total	2530	46.2	7.54	
7439-96-5	Manganese, Total	510.	4.62	2.48	

Form 2A
Initial and Continuing Calibration Verification

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Instrument ID	: TRACE11	**Units**	: mg/l

		Initial Calibration			Continuing Calibration(s)						
Lab ID	:	R2041160-1									
Date Analyzed	:	11/26/25 08:24									
Parameter		**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum		0.500	0.4960	99							
Antimony		0.500	0.5170	103							
Arsenic		0.500	0.4830	97							
Barium		0.500	0.5000	100							
Beryllium		0.500	0.5150	103							
Boron		0.500	0.5000	100							
Cadmium		0.500	0.5090	102							
Calcium		0.500	0.5100	102							
Chromium		0.500	0.5100	102							
Cobalt		0.500	0.5190	104							
Copper		0.500	0.5200	104							
Iron		0.500	0.5080	102							
Lead		0.500	0.5110	102							
Magnesium		0.500	0.5100	102							
Manganese		0.500	0.5160	103							
Nickel		0.500	0.5200	104							
Potassium		5.00	5.2100	104							
Selenium		0.500	0.4920	98							
Silver		0.500	0.5070	101							
Sodium		10.0	10.2000	102							
Thallium		0.500	0.5180	104							
Vanadium		0.500	0.5130	103							
Zinc		0.500	0.5110	102							

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Instrument ID	: TRACE11	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :	R2041160-3			R2041160-6			R2041160-8		R2041160-10	
Date Analyzed :	11/26/25 08:28			11/26/25 09:31			11/26/25 09:57		11/26/25 10:57	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum	0.500	0.4940	99	0.5000	0.492	98	0.490	98	0.507	101
Antimony	0.500	0.5130	103	0.5000	0.521	104	0.519	104	0.534	107
Arsenic	0.500	0.4800	96	0.5000	0.483	97	0.484	97	0.488	98
Barium	0.500	0.4980	100	0.5000	0.499	100	0.501	100	0.511	102
Beryllium	0.500	0.5100	102	0.5000	0.512	102	0.511	102	0.521	104
Boron	0.500	0.5030	101	0.5000	0.499	100	0.504	101	0.515	103
Cadmium	0.500	0.5080	102	0.5000	0.509	102	0.514	103	0.523	105
Calcium	0.500	0.5050	101	0.5000	0.505	101	0.514	103	0.527	105
Chromium	0.500	0.5090	102	0.5000	0.510	102	0.513	103	0.523	105
Cobalt	0.500	0.5180	104	0.5000	0.518	104	0.521	104	0.530	106
Copper	0.500	0.5190	104	0.5000	0.520	104	0.523	105	0.530	106
Iron	0.500	0.5020	100	0.5000	0.503	101	0.511	102	0.523	105
Lead	0.500	0.5070	101	0.5000	0.511	102	0.509	102	0.514	103
Magnesium	0.500	0.5070	101	0.5000	0.510	102	0.518	104	0.524	105
Manganese	0.500	0.5120	102	0.5000	0.514	103	0.514	103	0.525	105
Nickel	0.500	0.5180	104	0.5000	0.519	104	0.524	105	0.532	106
Potassium	5.00	5.2200	104	5.0000	5.22	104	5.25	105	5.38	108
Selenium	0.500	0.4890	98	0.5000	0.491	98	0.495	99	0.497	99
Silver	0.500	0.5100	102	0.5000	0.508	102	0.507	101	0.515	103
Sodium	10.0	10.1000	101	10.0000	10.2	102	10.3	103	10.4	104
Thallium	0.500	0.5160	103	0.5000	0.517	103	0.520	104	0.522	104
Vanadium	0.500	0.5110	102	0.5000	0.514	103	0.516	103	0.525	105
Zinc	0.500	0.5100	102	0.5000	0.511	102	0.517	103	0.526	105

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Instrument ID	: TRACE11	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :				R2041160-12			R2041160-14		R2041160-16	
Date Analyzed :				11/26/25 11:38			11/26/25 11:51		11/26/25 12:26	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum				0.5000	0.492	98	0.492	98	0.495	99
Antimony				0.5000	0.520	104	0.516	103	0.518	104
Arsenic				0.5000	0.480	96	0.475	95	0.472	94
Barium				0.5000	0.500	100	0.498	100	0.499	100
Beryllium				0.5000	0.508	102	0.506	101	0.506	101
Boron				0.5000	0.502	100	0.499	100	0.501	100
Cadmium				0.5000	0.510	102	0.509	102	0.508	102
Calcium				0.5000	0.509	102	0.508	102	0.505	101
Chromium				0.5000	0.508	102	0.510	102	0.508	102
Cobalt				0.5000	0.517	103	0.516	103	0.514	103
Copper				0.5000	0.516	103	0.517	103	0.515	103
Iron				0.5000	0.507	101	0.507	101	0.510	102
Lead				0.5000	0.506	101	0.504	101	0.502	100
Magnesium				0.5000	0.507	101	0.507	101	0.504	101
Manganese				0.5000	0.512	102	0.511	102	0.510	102
Nickel				0.5000	0.520	104	0.519	104	0.516	103
Potassium				5.0000	5.28	106	5.22	104	5.24	105
Selenium				0.5000	0.491	98	0.488	98	0.485	97
Silver				0.5000	0.502	100	0.502	100	0.502	100
Sodium				10.0000	10.2	102	10.1	101	10.1	101
Thallium				0.5000	0.517	103	0.512	102	0.510	102
Vanadium				0.5000	0.512	102	0.511	102	0.509	102
Zinc				0.5000	0.515	103	0.513	103	0.514	103

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Instrument ID	: TRACE11	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :				R2041160-18			R2041160-20		R2041160-22	
Date Analyzed :				11/26/25 13:04			11/26/25 13:31		11/26/25 14:14	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum				0.5000	0.482	96	0.489	98	0.486	97
Antimony				0.5000	0.515	103	0.512	102	0.515	103
Arsenic				0.5000	0.467	93	0.470	94	0.468	94
Barium				0.5000	0.494	99	0.492	98	0.495	99
Beryllium				0.5000	0.501	100	0.500	100	0.500	100
Boron				0.5000	0.496	99	0.496	99	0.496	99
Cadmium				0.5000	0.505	101	0.504	101	0.509	102
Calcium				0.5000	0.499	100	0.497	99	0.495	99
Chromium				0.5000	0.503	101	0.502	100	0.508	102
Cobalt				0.5000	0.511	102	0.511	102	0.513	103
Copper				0.5000	0.510	102	0.509	102	0.513	103
Iron				0.5000	0.500	100	0.497	99	0.494	99
Lead				0.5000	0.497	99	0.497	99	0.496	99
Magnesium				0.5000	0.502	100	0.500	100	0.496	99
Manganese				0.5000	0.505	101	0.504	101	0.504	101
Nickel				0.5000	0.514	103	0.513	103	0.515	103
Potassium				5.0000	5.19	104	5.18	104	5.18	104
Selenium				0.5000	0.478	96	0.485	97	0.479	96
Silver				0.5000	0.495	99	0.495	99	0.498	100
Sodium				10.0000	10.0	100	10.0	100	10.0	100
Thallium				0.5000	0.503	101	0.507	101	0.505	101
Vanadium				0.5000	0.505	101	0.504	101	0.509	102
Zinc				0.5000	0.511	102	0.510	102	0.511	102

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Instrument ID	: TRACE11	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :				R2041160-24			R2041160-26		R2041160-28	
Date Analyzed :				11/26/25 15:01			11/26/25 15:36		11/26/25 16:02	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum				0.5000	0.488	98	0.487	97	0.486	97
Antimony				0.5000	0.507	101	0.514	103	0.506	101
Arsenic				0.5000	0.466	93	0.465	93	0.465	93
Barium				0.5000	0.498	100	0.497	99	0.493	99
Beryllium				0.5000	0.502	100	0.502	100	0.499	100
Boron				0.5000	0.495	99	0.495	99	0.496	99
Cadmium				0.5000	0.508	102	0.509	102	0.504	101
Calcium				0.5000	0.498	100	0.493	99	0.495	99
Chromium				0.5000	0.508	102	0.508	102	0.502	100
Cobalt				0.5000	0.512	102	0.514	103	0.509	102
Copper				0.5000	0.513	103	0.512	102	0.507	101
Iron				0.5000	0.501	100	0.499	100	0.496	99
Lead				0.5000	0.495	99	0.496	99	0.494	99
Magnesium				0.5000	0.495	99	0.498	100	0.496	99
Manganese				0.5000	0.504	101	0.506	101	0.504	101
Nickel				0.5000	0.513	103	0.514	103	0.513	103
Potassium				5.0000	5.23	105	5.21	104	5.19	104
Selenium				0.5000	0.480	96	0.480	96	0.477	95
Silver				0.5000	0.494	99	0.497	99	0.494	99
Sodium				10.0000	10.2	102	10.2	102	10.1	101
Thallium				0.5000	0.505	101	0.504	101	0.502	100
Vanadium				0.5000	0.508	102	0.510	102	0.504	101
Zinc				0.5000	0.509	102	0.510	102	0.508	102

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Instrument ID	: TRACE11	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :				R2041160-30			R2041160-32		R2041160-34	
Date Analyzed :				11/26/25 16:43			11/26/25 17:09		11/26/25 17:42	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum				0.5000	0.487	97	0.480	96	0.478	96
Antimony				0.5000	0.512	102	0.507	101	0.500	100
Arsenic				0.5000	0.465	93	0.463	93	0.463	93
Barium				0.5000	0.494	99	0.489	98	0.489	98
Beryllium				0.5000	0.499	100	0.496	99	0.496	99
Boron				0.5000	0.496	99	0.491	98	0.494	99
Cadmium				0.5000	0.505	101	0.498	100	0.495	99
Calcium				0.5000	0.497	99	0.491	98	0.496	99
Chromium				0.5000	0.502	100	0.494	99	0.495	99
Cobalt				0.5000	0.511	102	0.504	101	0.502	100
Copper				0.5000	0.508	102	0.504	101	0.504	101
Iron				0.5000	0.497	99	0.492	98	0.492	98
Lead				0.5000	0.494	99	0.492	98	0.492	98
Magnesium				0.5000	0.498	100	0.496	99	0.492	98
Manganese				0.5000	0.504	101	0.499	100	0.500	100
Nickel				0.5000	0.512	102	0.506	101	0.505	101
Potassium				5.0000	5.19	104	5.13	103	5.51	110
Selenium				0.5000	0.478	96	0.474	95	0.475	95
Silver				0.5000	0.494	99	0.489	98	0.490	98
Sodium				10.0000	10.0	100	9.89	99	9.97	100
Thallium				0.5000	0.503	101	0.501	100	0.501	100
Vanadium				0.5000	0.504	101	0.498	100	0.498	100
Zinc				0.5000	0.509	102	0.504	101	0.499	100

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Instrument ID	: TRACE11	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :				R2041160-36			R2041160-38		R2041160-40	
Date Analyzed :				11/26/25 18:29			11/26/25 19:23		11/26/25 20:02	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum				0.5000	0.483	97	0.479	96	0.474	95
Antimony				0.5000	0.497	99	0.496	99	0.499	100
Arsenic				0.5000	0.467	93	0.462	92	0.461	92
Barium				0.5000	0.487	97	0.484	97	0.486	97
Beryllium				0.5000	0.494	99	0.493	99	0.494	99
Boron				0.5000	0.483	97	0.476	95	0.481	96
Cadmium				0.5000	0.488	98	0.487	97	0.491	98
Calcium				0.5000	0.491	98	0.490	98	0.489	98
Chromium				0.5000	0.490	98	0.491	98	0.492	98
Cobalt				0.5000	0.497	99	0.497	99	0.501	100
Copper				0.5000	0.500	100	0.498	100	0.501	100
Iron				0.5000	0.488	98	0.485	97	0.490	98
Lead				0.5000	0.493	99	0.493	99	0.492	98
Magnesium				0.5000	0.490	98	0.487	97	0.493	99
Manganese				0.5000	0.497	99	0.496	99	0.498	100
Nickel				0.5000	0.501	100	0.499	100	0.503	101
Potassium				5.0000	5.16	103	5.12	102	5.13	103
Selenium				0.5000	0.479	96	0.474	95	0.473	95
Silver				0.5000	0.487	97	0.487	97	0.489	98
Sodium				10.0000	9.98	100	9.94	99	10.0	100
Thallium				0.5000	0.503	101	0.501	100	0.498	100
Vanadium				0.5000	0.494	99	0.492	98	0.497	99
Zinc				0.5000	0.491	98	0.488	98	0.493	99

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Instrument ID	: TRACE11	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :				R2041160-42			R2041160-44		R2041160-46	
Date Analyzed :				11/26/25 21:44			11/26/25 22:25		11/26/25 23:05	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum				0.5000	0.476	95	0.473	95	0.472	94
Antimony				0.5000	0.499	100	0.494	99	0.499	100
Arsenic				0.5000	0.461	92	0.461	92	0.458	92
Barium				0.5000	0.487	97	0.482	96	0.486	97
Beryllium				0.5000	0.496	99	0.492	98	0.494	99
Boron				0.5000	0.481	96	0.482	96	0.481	96
Cadmium				0.5000	0.490	98	0.488	98	0.491	98
Calcium				0.5000	0.496	99	0.489	98	0.491	98
Chromium				0.5000	0.495	99	0.491	98	0.491	98
Cobalt				0.5000	0.501	100	0.497	99	0.500	100
Copper				0.5000	0.503	101	0.500	100	0.500	100
Iron				0.5000	0.489	98	0.488	98	0.496	99
Lead				0.5000	0.492	98	0.491	98	0.490	98
Magnesium				0.5000	0.491	98	0.488	98	0.490	98
Manganese				0.5000	0.501	100	0.494	99	0.499	100
Nickel				0.5000	0.502	100	0.500	100	0.502	100
Potassium				5.0000	5.17	103	5.09	102	5.15	103
Selenium				0.5000	0.476	95	0.475	95	0.471	94
Silver				0.5000	0.490	98	0.488	98	0.489	98
Sodium				10.0000	9.99	100	9.88	99	9.97	100
Thallium				0.5000	0.503	101	0.500	100	0.499	100
Vanadium				0.5000	0.498	100	0.495	99	0.496	99
Zinc				0.5000	0.493	99	0.488	98	0.492	98

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Instrument ID	: TRACE11	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :				R2041160-47			R2041160-49			
Date Analyzed :				11/26/25 23:33			11/26/25 23:55			
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum				0.5000	0.471	94	0.478	96		
Antimony				0.5000	0.496	99	0.496	99		
Arsenic				0.5000	0.458	92	0.460	92		
Barium				0.5000	0.486	97	0.482	96		
Beryllium				0.5000	0.492	98	0.490	98		
Boron				0.5000	0.483	97	0.484	97		
Cadmium				0.5000	0.492	98	0.492	98		
Calcium				0.5000	0.487	97	0.485	97		
Chromium				0.5000	0.491	98	0.491	98		
Cobalt				0.5000	0.500	100	0.502	100		
Copper				0.5000	0.498	100	0.500	100		
Iron				0.5000	0.488	98	0.494	99		
Lead				0.5000	0.490	98	0.489	98		
Magnesium				0.5000	0.488	98	0.488	98		
Manganese				0.5000	0.496	99	0.494	99		
Nickel				0.5000	0.503	101	0.505	101		
Potassium				5.0000	5.10	102	5.10	102		
Selenium				0.5000	0.472	94	0.472	94		
Silver				0.5000	0.486	97	0.489	98		
Sodium				10.0000	9.88	99	9.85	98		
Thallium				0.5000	0.497	99	0.496	99		
Vanadium				0.5000	0.494	99	0.496	99		
Zinc				0.5000	0.495	99	0.494	99		

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Instrument ID	: TRACE11	**Units**	: mg/l

		Initial Calibration			Continuing Calibration(s)						
Lab ID	:	R2041517-1									
Date Analyzed	:	11/28/25 06:22									
Parameter		**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum		0.500	0.4750	95							
Antimony		0.500	0.5060	101							
Arsenic		0.500	0.4740	95							
Barium		0.500	0.4860	97							
Beryllium		0.500	0.4970	99							
Boron		0.500	0.4920	98							
Cadmium		0.500	0.5110	102							
Calcium		0.500	0.4850	97							
Chromium		0.500	0.5060	101							
Cobalt		0.500	0.5100	102							
Copper		0.500	0.5150	103							
Iron		0.500	0.4890	98							
Lead		0.500	0.4910	98							
Magnesium		0.500	0.4990	100							
Manganese		0.500	0.5000	100							
Nickel		0.500	0.5120	102							
Potassium		5.00	5.0700	101							
Selenium		0.500	0.4760	95							
Silver		0.500	0.5020	100							
Sodium		10.0	10.0000	100							
Thallium		0.500	0.4990	100							
Vanadium		0.500	0.5090	102							
Zinc		0.500	0.5080	102							

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Instrument ID	: TRACE11	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :	R2041517-3			R2041517-6			R2041517-8		R2041517-10	
Date Analyzed :	11/28/25 06:26			11/28/25 07:05			11/28/25 07:41		11/28/25 08:07	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum	0.500	0.4800	96	0.5000	0.479	96	0.480	96	0.482	96
Antimony	0.500	0.5100	102	0.5000	0.518	104	0.508	102	0.511	102
Arsenic	0.500	0.4760	95	0.5000	0.479	96	0.480	96	0.480	96
Barium	0.500	0.4940	99	0.5000	0.496	99	0.499	100	0.499	100
Beryllium	0.500	0.5010	100	0.5000	0.504	101	0.506	101	0.505	101
Boron	0.500	0.4960	99	0.5000	0.494	99	0.492	98	0.492	98
Cadmium	0.500	0.5110	102	0.5000	0.515	103	0.512	102	0.515	103
Calcium	0.500	0.4870	97	0.5000	0.490	98	0.494	99	0.494	99
Chromium	0.500	0.5070	101	0.5000	0.511	102	0.508	102	0.511	102
Cobalt	0.500	0.5110	102	0.5000	0.512	102	0.512	102	0.512	102
Copper	0.500	0.5170	103	0.5000	0.520	104	0.516	103	0.515	103
Iron	0.500	0.4900	98	0.5000	0.496	99	0.498	100	0.497	99
Lead	0.500	0.4960	99	0.5000	0.496	99	0.496	99	0.494	99
Magnesium	0.500	0.4980	100	0.5000	0.500	100	0.504	101	0.503	101
Manganese	0.500	0.5030	101	0.5000	0.505	101	0.507	101	0.507	101
Nickel	0.500	0.5130	103	0.5000	0.514	103	0.512	102	0.514	103
Potassium	5.00	5.1100	102	5.0000	5.14	103	5.13	103	5.15	103
Selenium	0.500	0.4760	95	0.5000	0.480	96	0.481	96	0.480	96
Silver	0.500	0.5060	101	0.5000	0.506	101	0.503	101	0.504	101
Sodium	10.0	10.0000	100	10.0000	10.1	101	10.1	101	10.1	101
Thallium	0.500	0.5030	101	0.5000	0.505	101	0.505	101	0.500	100
Vanadium	0.500	0.5090	102	0.5000	0.511	102	0.508	102	0.510	102
Zinc	0.500	0.5080	102	0.5000	0.512	102	0.509	102	0.513	103

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Instrument ID	: TRACE11	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :				R2041517-12						
Date Analyzed :				11/28/25 08:37						
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum				0.5000	0.490	98				
Antimony				0.5000	0.508	102				
Arsenic				0.5000	0.479	96				
Barium				0.5000	0.499	100				
Beryllium				0.5000	0.506	101				
Boron				0.5000	0.490	98				
Cadmium				0.5000	0.514	103				
Calcium				0.5000	0.493	99				
Chromium				0.5000	0.510	102				
Cobalt				0.5000	0.512	102				
Copper				0.5000	0.515	103				
Iron				0.5000	0.504	101				
Lead				0.5000	0.494	99				
Magnesium				0.5000	0.505	101				
Manganese				0.5000	0.508	102				
Nickel				0.5000	0.514	103				
Potassium				5.0000	5.13	103				
Selenium				0.5000	0.480	96				
Silver				0.5000	0.504	101				
Sodium				10.0000	10.1	101				
Thallium				0.5000	0.500	100				
Vanadium				0.5000	0.509	102				
Zinc				0.5000	0.510	102				

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)

Form 3
Blanks

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Instrument ID	: TRACE11		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :	R2041160-2		R2041160-7		R2041160-9		R2041160-11		WG2146097-1	
Date Analyzed :	11/26/25 08:26		11/26/25 09:33		11/26/25 09:59		11/26/25 10:59		11/26/25 22:01	
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q	mg/kg	Q
Aluminum	0.0325	U	0.0325	U	0.0325	U	0.0325	U	1.30	U
Antimony	0.0385	U	0.0385	U	0.0385	U	0.0385	U	1.54	U
Arsenic	0.00432	U	0.00432	U	0.00432	U	0.00432	U	0.173	U
Barium	0.00106	U	0.00106	U	0.00106	U	0.00106	U	0.042	U
Beryllium	0.000550	U	0.000550	U	0.000550	U	0.000550	U	0.022	U
Boron	0.00577	U	0.00577	U	0.00577	U	0.00577	U	0.231	U
Cadmium	0.000550	U	0.000550	U	0.000550	U	0.000550	U	0.022	U
Calcium	0.0567	U	0.0567	U	0.0567	U	0.0567	U	2.27	U
Chromium	0.00848	U	0.00848	U	0.00848	U	0.00848	U	0.339	U
Cobalt	0.00248	U	0.00248	U	0.00248	U	0.00248	U	0.099	U
Copper	0.00227	U	0.00227	U	0.00227	U	0.00227	U	0.091	U
Iron	0.0105	U	0.0105	U	0.0105	U	0.0105	U	0.508	J
Lead	0.00238	U	0.00238	U	0.00238	U	0.00238	U	0.095	U
Magnesium	0.0163	U	0.0163	U	0.0163	U	0.0163	U	0.652	U
Manganese	0.00536	U	0.00536	U	0.00536	U	0.00536	U	0.214	U
Nickel	0.00808	U	0.00808	U	0.00808	U	0.00808	U	0.323	U
Potassium	0.507	U	0.507	U	0.507	U	0.507	U	20.3	U
Selenium	0.00329	U	0.00329	U	0.00329	U	0.00401	J	0.132	U
Silver	0.00298	U	0.00298	U	0.00298	U	0.00298	U	0.119	U
Sodium	1.06	U	1.06	U	1.06	U	1.06	U	42.4	U
Thallium	0.00902	U	0.00902	U	0.00902	U	0.00902	U	0.361	U
Vanadium	0.00151	U	0.00151	U	0.00151	U	0.00151	U	0.060	U
Zinc	0.00606	U	0.00606	U	0.00606	U	0.00606	U	0.242	U

Form 3
Blanks

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Instrument ID	: TRACE11		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :	R2041160-4		R2041160-13		R2041160-15		R2041160-17			
Date Analyzed :	11/26/25 08:30		11/26/25 11:41		11/26/25 11:53		11/26/25 12:28			
Parameter	**mg/l**	**Q**	**mg/l**	**Q**	**mg/l**	**Q**	**mg/l**	**Q**		**Q**
Aluminum	0.0325	U	0.0325	U	0.0325	U	0.0325	U		
Antimony	0.0385	U	0.0385	U	0.0385	U	0.0385	U		
Arsenic	0.00432	U	0.00432	U	0.00432	U	0.00432	U		
Barium	0.00106	U	0.00106	U	0.00106	U	0.00106	U		
Beryllium	0.000550	U	0.000550	U	0.000550	U	0.000550	U		
Boron	0.00577	U	0.00577	U	0.00577	U	0.00577	U		
Cadmium	0.000550	U	0.000550	U	0.000550	U	0.000550	U		
Calcium	0.0567	U	0.0567	U	0.0567	U	0.0567	U		
Chromium	0.00848	U	0.00848	U	0.00848	U	0.00848	U		
Cobalt	0.00248	U	0.00248	U	0.00248	U	0.00248	U		
Copper	0.00227	U	0.00227	U	0.00227	U	0.00227	U		
Iron	0.0105	U	0.0105	U	0.0105	U	0.0105	U		
Lead	0.00238	U	0.00238	U	0.00238	U	0.00238	U		
Magnesium	0.0163	U	0.0163	U	0.0163	U	0.0163	U		
Manganese	0.00536	U	0.00536	U	0.00536	U	0.00536	U		
Nickel	0.00808	U	0.00808	U	0.00808	U	0.00808	U		
Potassium	0.507	U	0.507	U	0.507	U	0.507	U		
Selenium	0.00329	U	0.00329	U	0.00329	U	0.00329	U		
Silver	0.00298	U	0.00298	U	0.00298	U	0.00298	U		
Sodium	1.06	U	1.06	U	1.06	U	1.06	U		
Thallium	0.00902	U	0.00902	U	0.00902	U	0.00902	U		
Vanadium	0.00151	U	0.00151	U	0.00151	U	0.00151	U		
Zinc	0.00606	U	0.00606	U	0.00606	U	0.00606	U		

Form 3
Blanks

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Instrument ID	: TRACE11		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :			R2041160-19		R2041160-21		R2041160-23			
Date Analyzed :			11/26/25 13:06		11/26/25 13:33		11/26/25 14:16			
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q		Q
Aluminum			0.0325	U	0.0325	U	0.0325	U		
Antimony			0.0385	U	0.0385	U	0.0385	U		
Arsenic			0.00432	U	0.00432	U	0.00432	U		
Barium			0.00106	U	0.00106	U	0.00106	U		
Beryllium			0.000550	U	0.000550	U	0.000550	U		
Boron			0.00577	U	0.00577	U	0.00577	U		
Cadmium			0.000550	U	0.000550	U	0.000550	U		
Calcium			0.0567	U	0.0567	U	0.0567	U		
Chromium			0.00848	U	0.00848	U	0.00848	U		
Cobalt			0.00248	U	0.00248	U	0.00248	U		
Copper			0.00227	U	0.00227	U	0.00227	U		
Iron			0.0105	U	0.0105	U	0.0105	U		
Lead			0.00238	U	0.00238	U	0.00238	U		
Magnesium			0.0163	U	0.0163	U	0.0163	U		
Manganese			0.00536	U	0.00536	U	0.00536	U		
Nickel			0.00808	U	0.00808	U	0.00808	U		
Potassium			0.507	U	0.507	U	0.507	U		
Selenium			0.00329	U	0.00329	U	0.00329	U		
Silver			0.00298	U	0.00298	U	0.00298	U		
Sodium			1.06	U	1.06	U	1.06	U		
Thallium			0.00902	U	0.00902	U	0.00902	U		
Vanadium			0.00151	U	0.00151	U	0.00151	U		
Zinc			0.00606	U	0.00606	U	0.00606	U		

Form 3
Blanks

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Instrument ID	: TRACE11		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :			R2041160-25		R2041160-27		R2041160-29			
Date Analyzed :			11/26/25 15:03		11/26/25 15:38		11/26/25 16:04			
Parameter	**mg/l**	**Q**	**mg/l**	**Q**	**mg/l**	**Q**	**mg/l**	**Q**		**Q**
Aluminum			0.0325	U	0.0325	U	0.0325	U		
Antimony			0.0385	U	0.0385	U	0.0385	U		
Arsenic			0.00432	U	0.00432	U	0.00432	U		
Barium			0.00106	U	0.00106	U	0.00106	U		
Beryllium			0.000550	U	0.000550	U	0.000550	U		
Boron			0.00577	U	0.00577	U	0.00577	U		
Cadmium			0.000550	U	0.000550	U	0.000550	U		
Calcium			0.0567	U	0.0567	U	0.0567	U		
Chromium			0.00848	U	0.00848	U	0.00848	U		
Cobalt			0.00248	U	0.00248	U	0.00248	U		
Copper			0.00227	U	0.00227	U	0.00227	U		
Iron			0.0105	U	0.0105	U	0.0105	U		
Lead			0.00238	U	0.00238	U	0.00238	U		
Magnesium			0.0163	U	0.0163	U	0.0163	U		
Manganese			0.00536	U	0.00536	U	0.00536	U		
Nickel			0.00808	U	0.00808	U	0.00808	U		
Potassium			0.507	U	0.507	U	0.507	U		
Selenium			0.00329	U	0.00329	U	0.00329	U		
Silver			0.00298	U	0.00298	U	0.00298	U		
Sodium			1.06	U	1.06	U	1.06	U		
Thallium			0.00902	U	0.00902	U	0.00902	U		
Vanadium			0.00151	U	0.00151	U	0.00151	U		
Zinc			0.00606	U	0.00606	U	0.00606	U		

Form 3
Blanks

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Instrument ID	: TRACE11		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :			R2041160-31		R2041160-33		R2041160-35			
Date Analyzed :			11/26/25 16:45		11/26/25 17:12		11/26/25 17:44			
Parameter	**mg/l**	**Q**	**mg/l**	**Q**	**mg/l**	**Q**	**mg/l**	**Q**		**Q**
Aluminum			0.0325	U	0.0325	U	0.0325	U		
Antimony			0.0385	U	0.0385	U	0.0385	U		
Arsenic			0.00432	U	0.00432	U	0.00432	U		
Barium			0.00106	U	0.00106	U	0.00106	U		
Beryllium			0.000550	U	0.000550	U	0.000550	U		
Boron			0.00577	U	0.00577	U	0.00577	U		
Cadmium			0.000550	U	0.000550	U	0.000550	U		
Calcium			0.0567	U	0.0567	U	0.0567	U		
Chromium			0.00848	U	0.00848	U	0.00848	U		
Cobalt			0.00248	U	0.00248	U	0.00248	U		
Copper			0.00227	U	0.00227	U	0.00227	U		
Iron			0.0105	U	0.0105	U	0.0105	U		
Lead			0.00238	U	0.00238	U	0.00238	U		
Magnesium			0.0163	U	0.0163	U	0.0163	U		
Manganese			0.00536	U	0.00536	U	0.00536	U		
Nickel			0.00808	U	0.00808	U	0.00808	U		
Potassium			0.507	U	0.507	U	0.507	U		
Selenium			0.00329	U	0.00329	U	0.00329	U		
Silver			0.00298	U	0.00298	U	0.00298	U		
Sodium			1.06	U	1.06	U	1.06	U		
Thallium			0.00902	U	0.00902	U	0.00902	U		
Vanadium			0.00151	U	0.00151	U	0.00151	U		
Zinc			0.00606	U	0.00606	U	0.00606	U		

Form 3
Blanks

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Instrument ID	: TRACE11		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :			R2041160-37		R2041160-39		R2041160-41			
Date Analyzed :			11/26/25 18:32		11/26/25 19:25		11/26/25 20:04			
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q		Q
Aluminum			0.0325	U	0.0325	U	0.0325	U		
Antimony			0.0385	U	0.0385	U	0.0385	U		
Arsenic			0.00432	U	0.00432	U	0.00432	U		
Barium			0.00106	U	0.00106	U	0.00106	U		
Beryllium			0.000550	U	0.000550	U	0.000550	U		
Boron			0.00577	U	0.00577	U	0.00577	U		
Cadmium			0.000550	U	0.000550	U	0.000550	U		
Calcium			0.0567	U	0.0567	U	0.0567	U		
Chromium			0.00848	U	0.00848	U	0.00848	U		
Cobalt			0.00248	U	0.00248	U	0.00248	U		
Copper			0.00227	U	0.00227	U	0.00227	U		
Iron			0.0105	U	0.0105	U	0.0105	U		
Lead			0.00238	U	0.00238	U	0.00238	U		
Magnesium			0.0163	U	0.0163	U	0.0163	U		
Manganese			0.00536	U	0.00536	U	0.00536	U		
Nickel			0.00808	U	0.00808	U	0.00808	U		
Potassium			0.507	U	0.507	U	0.507	U		
Selenium			0.00329	U	0.00329	U	0.00329	U		
Silver			0.00298	U	0.00298	U	0.00298	U		
Sodium			1.06	U	1.06	U	1.06	U		
Thallium			0.00902	U	0.00902	U	0.00902	U		
Vanadium			0.00151	U	0.00151	U	0.00151	U		
Zinc			0.00606	U	0.00606	U	0.00606	U		

Form 3
Blanks

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Instrument ID	: TRACE11		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :			R2041160-43		R2041160-45		R2041160-48			
Date Analyzed :			11/26/25 21:46		11/26/25 22:27		11/26/25 23:36			
Parameter	**mg/l**	**Q**	**mg/l**	**Q**	**mg/l**	**Q**	**mg/l**	**Q**		**Q**
Aluminum			0.0325	U	0.0325	U	0.0325	U		
Antimony			0.0385	U	0.0385	U	0.0385	U		
Arsenic			0.00432	U	0.00432	U	0.00432	U		
Barium			0.00106	U	0.00106	U	0.00106	U		
Beryllium			0.000550	U	0.000550	U	0.000550	U		
Boron			0.00577	U	0.00577	U	0.00577	U		
Cadmium			0.000550	U	0.000550	U	0.000550	U		
Calcium			0.0567	U	0.0567	U	0.0567	U		
Chromium			0.00848	U	0.00848	U	0.00848	U		
Cobalt			0.00248	U	0.00248	U	0.00248	U		
Copper			0.00227	U	0.00227	U	0.00227	U		
Iron			0.0105	U	0.0105	U	0.0105	U		
Lead			0.00238	U	0.00238	U	0.00238	U		
Magnesium			0.0163	U	0.0163	U	0.0163	U		
Manganese			0.00536	U	0.00536	U	0.00536	U		
Nickel			0.00808	U	0.00808	U	0.00808	U		
Potassium			0.507	U	0.507	U	0.507	U		
Selenium			0.00329	U	0.00329	U	0.00448	J		
Silver			0.00298	U	0.00298	U	0.00298	U		
Sodium			1.06	U	1.06	U	1.06	U		
Thallium			0.00902	U	0.00902	U	0.00902	U		
Vanadium			0.00151	U	0.00151	U	0.00151	U		
Zinc			0.00606	U	0.00606	U	0.00606	U		

Form 3
Blanks

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Instrument ID	: TRACE11		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID	:		R2041160-50							
Date Analyzed	:		11/26/25 23:57							
Parameter	**mg/l**	**Q**	**mg/l**	**Q**	**mg/l**	**Q**	**mg/l**	**Q**		**Q**
Aluminum			0.0325	U						
Antimony			0.0385	U						
Arsenic			0.00432	U						
Barium			0.00106	U						
Beryllium			0.000550	U						
Boron			0.00577	U						
Cadmium			0.000550	U						
Calcium			0.0567	U						
Chromium			0.00848	U						
Cobalt			0.00248	U						
Copper			0.00227	U						
Iron			0.0105	U						
Lead			0.00238	U						
Magnesium			0.0163	U						
Manganese			0.00536	U						
Nickel			0.00808	U						
Potassium			0.507	U						
Selenium			0.00329	U						
Silver			0.00298	U						
Sodium			1.06	U						
Thallium			0.00902	U						
Vanadium			0.00151	U						
Zinc			0.00606	U						

Form 3
Blanks

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Instrument ID	: TRACE11		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :	R2041517-2		R2041517-7		R2041517-9		R2041517-11		WG2146092-1	
Date Analyzed :	11/28/25 06:24		11/28/25 07:07		11/28/25 07:43		11/28/25 08:09		11/28/25 07:19	
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q	mg/kg	Q
Aluminum	0.0325	U	0.0325	U	0.0325	U	0.0325	U	1.30	U
Antimony	0.0385	U	0.0385	U	0.0385	U	0.0385	U	1.54	U
Arsenic	0.00432	U	0.00432	U	0.00432	U	0.00432	U	0.173	U
Barium	0.00106	U	0.00106	U	0.00106	U	0.00106	U	0.042	U
Beryllium	0.000550	U	0.000550	U	0.000550	U	0.000550	U	0.022	U
Boron	0.00577	U	0.00577	U	0.00577	U	0.00577	U	0.231	U
Cadmium	0.000550	U	0.000550	U	0.000550	U	0.000550	U	0.022	U
Calcium	0.0567	U	0.0567	U	0.0567	U	0.0567	U	2.27	U
Chromium	0.00848	U	0.00848	U	0.00848	U	0.00848	U	0.339	U
Cobalt	0.00248	U	0.00248	U	0.00248	U	0.00248	U	0.099	U
Copper	0.00227	U	0.00227	U	0.00227	U	0.00227	U	0.091	U
Iron	0.0105	U	0.0105	U	0.0105	U	0.0105	U	0.608	J
Lead	0.00238	U	0.00238	U	0.00238	U	0.00238	U	0.095	U
Magnesium	0.0163	U	0.0163	U	0.0163	U	0.0163	U	0.652	U
Manganese	0.00536	U	0.00536	U	0.00536	U	0.00536	U	0.214	U
Nickel	0.00808	U	0.00808	U	0.00808	U	0.00808	U	0.323	U
Potassium	0.507	U	0.507	U	0.507	U	0.507	U	20.3	U
Selenium	0.00329	U	0.00329	U	0.00329	U	0.00329	U	0.132	U
Silver	0.00298	U	0.00298	U	0.00298	U	0.00298	U	0.119	U
Sodium	1.06	U	1.06	U	1.06	U	1.06	U	42.4	U
Thallium	0.00902	U	0.00902	U	0.00902	U	0.00902	U	0.361	U
Vanadium	0.00151	U	0.00151	U	0.00151	U	0.00151	U	0.060	U
Zinc	0.00606	U	0.00606	U	0.00606	U	0.00606	U	0.242	U

Form 3
Blanks

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Instrument ID	: TRACE11		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :	R2041517-4		R2041517-13							
Date Analyzed :	11/28/25 06:29		11/28/25 08:39							
Parameter	**mg/l**	**Q**	**mg/l**	**Q**	**mg/l**	**Q**	**mg/l**	**Q**		**Q**
Aluminum	0.0325	U	0.0325	U						
Antimony	0.0385	U	0.0385	U						
Arsenic	0.00432	U	0.00432	U						
Barium	0.00106	U	0.00106	U						
Beryllium	0.000550	U	0.000550	U						
Boron	0.00577	U	0.00577	U						
Cadmium	0.000550	U	0.000550	U						
Calcium	0.0567	U	0.0567	U						
Chromium	0.00848	U	0.00848	U						
Cobalt	0.00248	U	0.00248	U						
Copper	0.00227	U	0.00227	U						
Iron	0.0105	U	0.0105	U						
Lead	0.00238	U	0.00238	U						
Magnesium	0.0163	U	0.0163	U						
Manganese	0.00536	U	0.00536	U						
Nickel	0.00808	U	0.00808	U						
Potassium	0.507	U	0.507	U						
Selenium	0.00329	U	0.00329	U						
Silver	0.00298	U	0.00298	U						
Sodium	1.06	U	1.06	U						
Thallium	0.00902	U	0.00902	U						
Vanadium	0.00151	U	0.00151	U						
Zinc	0.00606	U	0.00606	U						

Form 4a
Interference Check Sample

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Instrument ID	: TRACE11	**Concentration Units**	: mg/l

	True		Initial Found				Final Found			
Lab ID :			R2041160-5							
Analysis Date :			11/26/25 08:37							
Analyte	**Sol. A**	**Sol. AB**	**Sol. A**	**%R**	**Sol. AB**	**%R**	**Sol. A**	**%R**	**Sol. AB**	**%R**
Aluminum	500		515.	103						
Antimony			0.00443							
Arsenic			-0.00252							
Barium			0.00147							
Beryllium			0.0000338							
Boron			0.00147							
Cadmium			0.000233							
Calcium	500		470.	94						
Chromium			0.000632							
Cobalt			0.000255							
Copper			0.00645							
Iron	200		186.	93						
Lead			-0.00178							
Magnesium	500		491.	98						
Manganese			-0.00192							
Nickel			0.00143							
Potassium			0.0266							
Selenium			0.00708							
Silver			0.00170							
Sodium			0.0221							
Thallium			-0.000352							
Vanadium			-0.00198							
Zinc			0.00132							

Acceptance Criteria: Methods 200.7, 200.8, 6010, 6020

ICSA: 80-120%

ICSAB: 80-120%

Form 4a
Interference Check Sample

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Instrument ID	: TRACE11	**Concentration Units**	: mg/l

	True		Initial Found				Final Found			
Lab ID :			R2041517-5							
Analysis Date :			11/28/25 06:33							
Analyte	Sol. A	Sol. AB	Sol. A	%R	Sol. AB	%R	Sol. A	%R	Sol. AB	%R
Aluminum	500		511.	102						
Antimony			-0.00140							
Arsenic			-0.00312							
Barium			0.00165							
Beryllium			0.00000784							
Boron			0.00388							
Cadmium			0.000675							
Calcium	500		468.	94						
Chromium			0.000691							
Cobalt			0.000788							
Copper			0.00812							
Iron	200		185.	92						
Lead			-0.00260							
Magnesium	500		492.	98						
Manganese			-0.00176							
Nickel			0.000908							
Potassium			0.0679							
Selenium			0.00173							
Silver			0.00241							
Sodium			0.0248							
Thallium			-0.00257							
Vanadium			-0.00277							
Zinc			0.00156							

Acceptance Criteria: Methods 200.7, 200.8, 6010, 6020

ICSA: 80-120%

ICSAB: 80-120%

Form 5a
Matrix Spike

Client	: Pace New England	Lab Number	: L2574898
Project Name	: 25K1213	Project Number	: 25K1213
Client Sample ID	: NA	Matrix	: SOIL
Lab Sample ID	: L2574361-06		
Matrix Spike	: WG2146097-3	MS Analysis Date	: 11/26/25 22:15
Matrix Spike Dup	: WG2146097-4	MSD Analysis Date	: 11/26/25 22:18

		Matrix Spike Sample				Matrix Spike Duplicate						
Parameter	Sample Conc. (mg/kg)	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R		Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R		RPD		Recovery Limits	RPD Limit
Aluminum, Total	2470	198	2700	116		193	3270	414	Q	19		75-125	20
Antimony, Total	ND	49.6	27.7	56	Q	48.3	26.1	54	Q	6		75-125	20
Arsenic, Total	13.0	11.9	17.9	41	Q	11.6	24.7	101		32	Q	75-125	20
Barium, Total	17.8	198	172	78		193	181	84		5		75-125	20
Beryllium, Total	0.246J	4.96	4.22	85		4.83	4.51	93		7		75-125	20
Boron, Total	1.52J	99.2	83.2	84		96.6	86.6	90		4		75-125	20
Cadmium, Total	0.186J	5.26	4.53	86		5.12	4.68	91		3		75-125	20
Calcium, Total	304	992	1310	101		966	1150	88		13		75-125	20
Chromium, Total	8.35	19.8	23.5	76		19.3	24.1	81		3		75-125	20
Cobalt, Total	1.75J	49.6	40.9	82		48.3	42.2	87		3		75-125	20
Copper, Total	3.29	24.8	27.8	99		24.2	22.5	79		21	Q	75-125	20
Iron, Total	5180	99.2	4540	0	Q	96.6	4870	0	Q	7		75-125	20
Lead, Total	261	52.6	415	293	Q	51.2	127	0	Q	106	Q	75-125	20
Magnesium, Total	295	992	1160	87		966	1220	96		5		75-125	20
Manganese, Total	30.7	49.6	91.1	122		48.3	63.1	67	Q	36	Q	75-125	20
Nickel, Total	3.74	49.6	44.4	82		48.3	44.1	84		1		75-125	20
Potassium, Total	290	992	1180	90		966	1300	104		10		75-125	20
Selenium, Total	0.421J	11.9	10.1	85		11.6	10.6	91		5		75-125	20
Silver, Total	ND	4.96	4.07	82		4.83	4.17	86		2		75-125	20
Sodium, Total	ND	992	917	92		966	951	98		4		75-125	20
Thallium, Total	ND	11.9	10.4	87		11.6	11.0	95		6		75-125	20
Vanadium, Total	24.4	49.6	59.0	70	Q	48.3	62.5	79		6		75-125	20
Zinc, Total	42.4	49.6	95.4	107		48.3	55.0	26	Q	54	Q	75-125	20

Form 5a
Matrix Spike

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Client Sample ID	: B-2 (0-2IN)	**Matrix**	: SOIL
Lab Sample ID	: L2574898-13		
Matrix Spike	: WG2146092-3	**MS Analysis Date**	: 11/28/25 07:32
Matrix Spike Dup	: WG2146092-4	**MSD Analysis Date**	: 11/28/25 07:35

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/kg)	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	RPD	Recovery Limits	RPD Limit
Aluminum, Total	5900	181	6480	321 Q	180	6490	328 Q	0	75-125	20
Antimony, Total	ND	45.2	21.0	46 Q	45	20.3	45 Q	3	75-125	20
Arsenic, Total	7.28	10.8	16.9	89	10.8	16.9	89	0	75-125	20
Barium, Total	78.2	181	268	105	180	265	104	1	75-125	20
Beryllium, Total	0.423J	4.52	5.24	116	4.5	5.17	115	1	75-125	20
Boron, Total	7.11	90.4	91.5	93	90	90.8	93	1	75-125	20
Cadmium, Total	0.819J	4.79	5.76	120	4.77	5.67	119	2	75-125	20
Calcium, Total	2960	904	4750	198 Q	900	6540	398 Q	32 Q	75-125	20
Chromium, Total	8.77	18.1	27.9	106	18	28.4	109	2	75-125	20
Cobalt, Total	8.07	45.2	54.0	102	45	53.1	100	2	75-125	20
Copper, Total	15.7	22.6	40.7	110	22.5	40.4	110	1	75-125	20
Iron, Total	13800	90.4	14600	884 Q	90	14400	667 Q	1	75-125	20
Lead, Total	68.1	47.9	118	104	47.7	117	102	1	75-125	20
Magnesium, Total	2230	904	3280	116	900	3250	113	1	75-125	20
Manganese, Total	458	45.2	530	159 Q	45	521	140 Q	2	75-125	20
Nickel, Total	15.7	45.2	62.8	104	45	67.0	114	6	75-125	20
Potassium, Total	640	904	1460	91	900	1470	92	1	75-125	20
Selenium, Total	0.533J	10.8	11.2	103	10.8	10.8	100	4	75-125	20
Silver, Total	ND	4.52	4.80	106	4.5	4.79	106	0	75-125	20
Sodium, Total	ND	904	964	106	900	961	107	0	75-125	20
Thallium, Total	ND	10.8	10.4	96	10.8	10.5	97	1	75-125	20
Vanadium, Total	8.31	45.2	56.8	107	45	56.1	106	1	75-125	20
Zinc, Total	79.4	45.2	130	112	45	129	110	1	75-125	20

Form 5a
Matrix Spike

Client	: Pace New England	Lab Number	: L2574898
Project Name	: 25K1213	Project Number	: 25K1213
Client Sample ID	: B-2 (2-12IN)	Matrix	: SOIL
Lab Sample ID	: L2574898-14		
Matrix Spike	: WG2146092-7	MS Analysis Date	: 11/28/25 07:58
Matrix Spike Dup	: WG2146092-8	MSD Analysis Date	: 11/28/25 08:01

		Matrix Spike Sample				Matrix Spike Duplicate						
Parameter	Sample Conc. (mg/kg)	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R		Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R		RPD	Recovery Limits	RPD Limit
Aluminum, Total	6790	187	7080	155	Q	186	7140	188	Q	1	75-125	20
Antimony, Total	ND	46.7	20.0	43	Q	46.5	21.0	45	Q	5	75-125	20
Arsenic, Total	7.82	11.2	18.0	91		11.2	17.3	85		4	75-125	20
Barium, Total	87.3	187	278	102		186	277	102		0	75-125	20
Beryllium, Total	0.479	4.67	5.36	104		4.65	5.30	104		1	75-125	20
Boron, Total	6.50	93.5	92.9	92		93	91.7	92		1	75-125	20
Cadmium, Total	0.907J	4.95	5.93	120		4.93	5.89	120		1	75-125	20
Calcium, Total	3610	935	4480	93		930	4660	113		4	75-125	20
Chromium, Total	10.1	18.7	29.2	102		18.6	29.0	102		1	75-125	20
Cobalt, Total	9.25	46.7	55.8	100		46.5	55.5	100		1	75-125	20
Copper, Total	17.8	23.4	42.6	106		23.2	43.0	108		1	75-125	20
Iron, Total	15600	93.5	15700	107		93	15600	0	Q	1	75-125	20
Lead, Total	74.5	49.5	127	106		49.3	131	115		3	75-125	20
Magnesium, Total	2580	935	3500	98		930	3510	100		0	75-125	20
Manganese, Total	522	46.7	564	90		46.5	574	112		2	75-125	20
Nickel, Total	18.2	46.7	65.3	101		46.5	64.9	100		1	75-125	20
Potassium, Total	635	935	1480	90		930	1490	92		1	75-125	20
Selenium, Total	0.444J	11.2	11.2	100		11.2	11.0	99		2	75-125	20
Silver, Total	ND	4.67	4.95	106		4.65	4.93	106		0	75-125	20
Sodium, Total	ND	935	989	106		930	984	106		1	75-125	20
Thallium, Total	ND	11.2	10.9	97		11.2	11.1	100		2	75-125	20
Vanadium, Total	9.50	46.7	58.6	105		46.5	58.3	105		1	75-125	20
Zinc, Total	90.3	46.7	138	102		46.5	138	103		0	75-125	20

Form 5b
Post Digest Spike Recovery

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Client Sample ID	: B-2 (0-2IN)	**Matrix**	: SOIL
Lab Sample ID	: L2574898-13		
Post Spike	: WG2146092-5	**PS Analysis Date**	: 11/28/25 07:37

Parameter	Sample Conc. (mg/kg)	Post Spike Sample: Spike Added (mg/kg)	Post Spike Sample: Spike Conc. (mg/kg)	%R	Recovery Limits
Antimony, Total	ND	45.6	44.8	98	75-125
Calcium, Total	2960	913	3820	94	75-125

Form 5b
Post Digest Spike Recovery

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Client Sample ID	: B-2 (2-12IN)	**Matrix**	: SOIL
Lab Sample ID	: L2574898-14		
Post Spike	: WG2146092-9	**PS Analysis Date**	: 11/28/25 08:03

		Post Spike Sample			
	Sample Conc.	Spike Added	Spike Conc.	%R	Recovery Limits
Parameter	(mg/kg)	(mg/kg)	(mg/kg)		
Antimony, Total	ND	46.2	45.2	98	75-125

Form 7
Laboratory Control Sample

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Client Sample ID	: NA	**Matrix**	: SOIL
Lab Sample ID	: WG2146097-2	**LCS Analysis Date**	: 11/26/25 22:04
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R	RPD	Recovery Limits	RPD Limit
Aluminum, Total	160.	147.	92.					80-120	20
Antimony, Total	40.0	37.9	95.					80-120	20
Arsenic, Total	9.60	9.05	94.					80-120	20
Barium, Total	160.	143.	89.					80-120	20
Beryllium, Total	4.00	3.65	91.					80-120	20
Boron, Total	80.0	76.5	96.					80-120	20
Cadmium, Total	4.24	3.93	93.					80-120	20
Calcium, Total	800.	793.	99.					80-120	20
Chromium, Total	16.0	14.1	88.					80-120	20
Cobalt, Total	40.0	35.0	88.					80-120	20
Copper, Total	20.0	18.0	90.					80-120	20
Iron, Total	80.0	72.0	90.					80-120	20
Lead, Total	42.4	41.0	97.					80-120	20
Magnesium, Total	800.	763.	95.					80-120	20
Manganese, Total	40.0	36.0	90.					80-120	20
Nickel, Total	40.0	35.8	90.					80-120	20
Potassium, Total	800.	819.	102.					80-120	20
Selenium, Total	9.60	9.29	97.					80-120	20
Silver, Total	4.00	3.53	88.					80-120	20
Sodium, Total	800.	797.	100.					80-120	20
Thallium, Total	9.60	9.52	99.					80-120	20
Vanadium, Total	40.0	36.4	91.					80-120	20
Zinc, Total	40.0	35.2	88.					80-120	20

Form 7
Laboratory Control Sample

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Client Sample ID	: NA	**Matrix**	: SOIL
Lab Sample ID	: WG2146092-2	**LCS Analysis Date**	: 11/28/25 07:22
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R	RPD	Recovery Limits	RPD Limit
Aluminum, Total	160.	170.	106.					80-120	20
Antimony, Total	40.0	41.4	104.					80-120	20
Arsenic, Total	9.60	9.80	102.					80-120	20
Barium, Total	160.	168.	105.					80-120	20
Beryllium, Total	4.00	4.26	106.					80-120	20
Boron, Total	80.0	79.6	100.					80-120	20
Cadmium, Total	4.24	4.43	104.					80-120	20
Calcium, Total	800.	819.	102.					80-120	20
Chromium, Total	16.0	16.9	106.					80-120	20
Cobalt, Total	40.0	41.4	104.					80-120	20
Copper, Total	20.0	21.3	106.					80-120	20
Iron, Total	80.0	84.5	106.					80-120	20
Lead, Total	42.4	43.1	102.					80-120	20
Magnesium, Total	800.	808.	101.					80-120	20
Manganese, Total	40.0	41.9	105.					80-120	20
Nickel, Total	40.0	41.9	105.					80-120	20
Potassium, Total	800.	824.	103.					80-120	20
Selenium, Total	9.60	9.70	101.					80-120	20
Silver, Total	4.00	4.12	103.					80-120	20
Sodium, Total	800.	838.	105.					80-120	20
Thallium, Total	9.60	9.83	102.					80-120	20
Vanadium, Total	40.0	43.0	108.					80-120	20
Zinc, Total	40.0	41.9	105.					80-120	20

Form 8
Serial Dilutions

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Client Sample ID	: B-2 (0-2IN)	**Matrix**	: SOIL
Lab Sample ID	: L2574898-13	**Analysis Date**	: 11/28/25 07:30
Serial Dilution ID	: WG2146092-6	**Analysis Date**	: 11/28/25 07:39

Parameter	Initial Sample Result (mg/kg)	Serial Dilution Result (mg/kg)	% Difference	%D Limit
Aluminum, Total	5900	5690	4	20
Barium, Total	78.2	75.1	4	20
Calcium, Total	2960	2850	4	20
Iron, Total	13800	13600	1	20
Magnesium, Total	2230	2250	1	20
Manganese, Total	458	447	2	20

Form 8
Serial Dilutions

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Client Sample ID	: B-2 (2-12IN)	**Matrix**	: SOIL
Lab Sample ID	: L2574898-14	**Analysis Date**	: 11/28/25 07:56
Serial Dilution ID	: WG2146092-10	**Analysis Date**	: 11/28/25 08:05

Parameter	Initial Sample Result (mg/kg)	Serial Dilution Result (mg/kg)	% Difference	%D Limit
Aluminum, Total	6790	6540	4	20
Barium, Total	87.3	83.7	4	20
Calcium, Total	3610	3470	4	20
Iron, Total	15600	15400	1	20
Magnesium, Total	2580	2530	2	20
Manganese, Total	522	510	2	20

U.S. EPA - CLP
10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____

Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____

ICP-AES Instrument: TRACE4 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	__
Aluminum	396.15	0.0000000	0.0000020	-0.0000310	-0.0000090	
Antimony	206.83	-0.0000020	0.0000040	-0.0000110	-0.0000050	
Arsenic	189.04	0.0000090	-0.0000010	-0.0000700	0.0000000	
Barium	455.40	-0.0000040	-0.0000020	-0.0000110	-0.0000010	
Beryllium	313.40	-0.0000020	-0.0000020	-0.0000050	0.0000000	
Cadmium	214.44	0.0000000	-0.0000030	0.0000000	-0.0000010	
Calcium	315.89	0.0000780	0.0000000	-0.0000170	0.0000710	
Chromium	267.72	0.0000050	-0.0000020	0.0000120	0.0000000	
Cobalt	228.62	-0.0000120	-0.0000060	-0.0000250	-0.0000020	
Copper	324.75	-0.0000030	-0.0000020	-0.0000040	0.0000110	
Iron	259.94	0.0000180	-0.0000120	0.0000000	-0.0000030	
Lead	220.35	0.0001100	-0.0000010	0.0000180	-0.0000010	
Magnesium	279.08	-0.0000540	-0.0000280	0.0000190	0.0000000	
Manganese	257.61	-0.0000030	-0.0000020	-0.0000080	0.0000020	
Mercury						
Nickel	231.60	-0.0000130	-0.0000050	-0.0000240	-0.0000020	
Potassium	766.49	-0.0012590	-0.0007040	-0.0028490	-0.0002350	
Selenium	196.09	-0.0000200	0.0000000	-0.0000290	-0.0000010	
Silver	328.07	-0.0000040	-0.0000020	-0.0000090	-0.0000010	
Sodium	589.59	-0.0006160	-0.0005220	-0.0020960	-0.0001600	
Thallium	190.86	-0.0000060	-0.0000040	-0.0000050	-0.0000010	
Vanadium	292.40	-0.0000050	-0.0000030	0.0000100	-0.0000020	
Zinc	206.20	0.0002750	0.0000030	-0.0007990	-0.0000040	

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE4 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Sb	As	Ba	Be	Cd
Aluminum	396.15	0.0000000	0.0000000	0.0000000	-0.0022950	-0.0018570
Antimony	206.83	0.0000000	0.0000000	0.0000000	-0.0003900	-0.0000120
Arsenic	189.04	0.0000000	0.0000000	0.0000210	-0.0001780	-0.0001730
Barium	455.40	0.0000000	0.0000000	0.0000000	-0.0002050	-0.0002030
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000860
Cadmium	214.44	0.0000000	0.0000000	0.0000000	-0.0002090	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	-0.0020880	-0.0018790
Chromium	267.72	0.0000000	0.0000000	0.0000000	-0.0002010	-0.0003100
Cobalt	228.62	0.0000000	0.0000000	0.0000000	-0.0004810	-0.0004970
Copper	324.75	0.0000000	0.0000000	0.0000000	-0.0002330	-0.0002260
Iron	259.94	0.0000000	0.0000000	0.0000000	-0.0012310	-0.0009570
Lead	220.35	0.0000000	0.0000000	0.0000000	-0.0001700	-0.0001850
Magnesium	279.08	0.0000000	0.0000000	0.0000000	-0.0022440	-0.0017830
Manganese	257.61	0.0000000	0.0000000	0.0000000	-0.0001950	-0.0002020
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	-0.0005490	-0.0005200
Potassium	766.49	0.0000000	0.0000000	0.0000000	-0.0522980	-0.0517110
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000060	0.0000030
Silver	328.07	0.0000000	0.0000000	0.0000000	-0.0001740	-0.0001560
Sodium	589.59	0.0000000	0.0000000	0.0000000	-0.0417330	-0.0407400
Thallium	190.86	0.0000000	0.0000000	0.0000000	-0.0002650	-0.0002240
Vanadium	292.40	0.0000000	0.0000000	0.0000000	-0.0002090	-0.0002040
Zinc	206.20	0.0000000	0.0000000	0.0000000	-0.0000320	-0.0009250

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE4 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cr	Co	Cu	Pb	Mn
Aluminum	396.15	-0.0020320	-0.0005350	-0.0005960	0.0000000	-0.0003930
Antimony	206.83	0.0049920	-0.0001600	-0.0001410	0.0000000	-0.0001780
Arsenic	189.04	0.0002670	-0.0001290	-0.0000570	0.0000000	-0.0000030
Barium	455.40	-0.0002000	-0.0000500	-0.0000660	0.0000000	-0.0000350
Beryllium	313.40	-0.0000900	-0.0000220	-0.0000300	0.0000000	-0.0000110
Cadmium	214.44	-0.0000290	-0.0000520	-0.0000680	0.0000000	-0.0000270
Calcium	315.89	-0.0020720	0.0009940	-0.0005720	0.0000000	-0.0000920
Chromium	267.72	0.0000000	-0.0000480	-0.0000690	0.0000000	0.0001140
Cobalt	228.62	-0.0005870	0.0000000	-0.0001660	0.0000000	-0.0000740
Copper	324.75	-0.0002130	-0.0000490	0.0000000	0.0000000	0.0000300
Iron	259.94	-0.0010370	-0.0002940	-0.0003760	0.0000000	-0.0001890
Lead	220.35	-0.0001960	-0.0003260	0.0002710	0.0000000	0.0000640
Magnesium	279.08	-0.0024620	-0.0005640	-0.0008730	0.0000000	-0.0069760
Manganese	257.61	-0.0002060	-0.0000480	-0.0000750	0.0000000	0.0000000
Mercury						
Nickel	231.60	-0.0005230	-0.0002210	-0.0001810	0.0000000	-0.0000730
Potassium	766.49	-0.0512430	-0.0126240	-0.0178480	0.0000000	-0.0089880
Selenium	196.09	-0.0000520	0.0000530	-0.0000240	0.0000000	0.0003780
Silver	328.07	-0.0001430	-0.0000370	-0.0000450	0.0000000	0.0001940
Sodium	589.59	-0.0407180	-0.0097580	-0.0137660	0.0000000	-0.0070470
Thallium	190.86	-0.0000390	0.0020440	-0.0000840	-0.0000200	0.0003990
Vanadium	292.40	-0.0002210	-0.0000500	-0.0000650	0.0000000	0.0001060
Zinc	206.20	-0.0012900	0.0000070	0.0003430	0.0001200	-0.0001520

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE4 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Ni	K	Se	Ag	Na
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____

Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____

ICP-AES Instrument: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Mo
Aluminum	396.15	0.0000000	0.0000960	0.0000000	0.0000000	0.0573510
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0016160
Arsenic	189.04	-0.0000310	0.0000000	0.0000000	0.0000000	0.0009550
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000010	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0009910
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000120
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0004030
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0003010	0.0000000	0.0000210	0.0000000	-0.0026290
Magnesium	279.08	0.0000000	0.0000000	0.0001760	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000340	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000180
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000310	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Sb	As	Ba	Be	Cd
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cr	Co	Cu	Pb	Mn
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0114090	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0003850	-0.0000480	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0007800	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	-0.0092850
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	-0.0001620	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000620	0.0000000	0.0000000	0.0006770
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	-0.0019910	0.0000000	0.0000000	0.0000000	-0.0004360
Zinc	206.20					

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Ni	K	Se	Ag	Na
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000930	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0002270	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	-0.0003390	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Tl	V	Zn		
Aluminum	396.15	0.0000000	0.0000000	0.0000000		
Antimony	206.83	0.0000000	0.0000000	0.0000000		
Arsenic	189.04	0.0000000	0.0000000	0.0000000		
Barium	455.40	0.0000000	0.0000000	0.0000000		
Beryllium	313.40	0.0000000	0.0018940	0.0000000		
Cadmium	214.44	0.0000000	0.0000000	0.0000000		
Calcium	315.89	0.0000000	0.0000000	0.0000000		
Chromium	267.72	0.0000000	0.0000000	0.0000000		
Cobalt	228.62	0.0017990	0.0000000	0.0000000		
Copper	324.75	0.0000000	-0.0003720	0.0000000		
Iron	259.94	0.0000000	0.0000000	0.0000000		
Lead	220.35	0.0000000	-0.0001170	0.0000000		
Magnesium	279.08	0.0000000	0.0000000	0.0000000		
Manganese	257.61	0.0000000	0.0000000	0.0000000		
Mercury						
Nickel	231.60	0.0005790	0.0000000	0.0000000		
Potassium	766.49	0.0000000	0.0000000	0.0000000		
Selenium	196.09	0.0000000	0.0000000	0.0000000		
Silver	328.07	0.0000000	-0.0017200	0.0000000		
Sodium	589.59	0.0000000	0.0000000	0.0000000		
Thallium	190.86	0.0000000	0.0002820	0.0000000		
Vanadium	292.40	0.0000000	0.0000000	0.0000000		
Zinc	206.20	0.0000000	0.0000000	0.0000000		

Comments:

U.S. EPA - CLP
10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____

Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____

ICP-AES Instrument: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Mo
Aluminum	396.15	0.0000000	0.0000960	0.0000000	0.0000000	0.0573510
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0016160
Arsenic	189.04	-0.0000310	0.0000000	0.0000000	0.0000000	0.0009550
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000010	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0009910
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000120
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0004030
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0003010	0.0000000	0.0000210	0.0000000	-0.0026290
Magnesium	279.08	0.0000000	0.0000000	0.0001760	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000340	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000180
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000310	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Sb	As	Ba	Be	Cd
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cr	Co	Cu	Pb	Mn
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0114090	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0003850	-0.0000480	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0007800	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	-0.0092850
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	-0.0001620	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000620	0.0000000	0.0000000	0.0006770
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	-0.0019910	0.0000000	0.0000000	0.0000000	-0.0004360
Zinc	206.20					

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Ni	K	Se	Ag	Na
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000930	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0002270	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	-0.0003390	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Tl	V	Zn		
Aluminum	396.15	0.0000000	0.0000000	0.0000000		
Antimony	206.83	0.0000000	0.0000000	0.0000000		
Arsenic	189.04	0.0000000	0.0000000	0.0000000		
Barium	455.40	0.0000000	0.0000000	0.0000000		
Beryllium	313.40	0.0000000	0.0018940	0.0000000		
Cadmium	214.44	0.0000000	0.0000000	0.0000000		
Calcium	315.89	0.0000000	0.0000000	0.0000000		
Chromium	267.72	0.0000000	0.0000000	0.0000000		
Cobalt	228.62	0.0017990	0.0000000	0.0000000		
Copper	324.75	0.0000000	-0.0003720	0.0000000		
Iron	259.94	0.0000000	0.0000000	0.0000000		
Lead	220.35	0.0000000	-0.0001170	0.0000000		
Magnesium	279.08	0.0000000	0.0000000	0.0000000		
Manganese	257.61	0.0000000	0.0000000	0.0000000		
Mercury						
Nickel	231.60	0.0005790	0.0000000	0.0000000		
Potassium	766.49	0.0000000	0.0000000	0.0000000		
Selenium	196.09	0.0000000	0.0000000	0.0000000		
Silver	328.07	0.0000000	-0.0017200	0.0000000		
Sodium	589.59	0.0000000	0.0000000	0.0000000		
Thallium	190.86	0.0000000	0.0002820	0.0000000		
Vanadium	292.40	0.0000000	0.0000000	0.0000000		
Zinc	206.20	0.0000000	0.0000000	0.0000000		

Comments:

U.S. EPA - CLP
10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Mo
Aluminum	396.15	0.0000000	0.0000960	0.0000000	0.0000000	0.0573510
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0016160
Arsenic	189.04	0.0001500	0.0000000	-0.0004550	0.0000000	0.0038670
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000380	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0009910
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000120
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0004030
Iron	259.94	0.0000000	0.0000000	0.0000340	0.0000000	0.0000000
Lead	220.35	0.0001750	0.0000000	0.0002100	0.0000000	-0.0026290
Magnesium	279.08	0.0000000	0.0000000	0.0001760	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	-0.0000350	0.0000000	0.0000000	0.0000000	0.0000180
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000100	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Sb	As	Ba	Be	Cd
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cr	Co	Cu	Pb	Mn
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0114090	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0017890	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0007800	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	-0.0092850
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	-0.0001620	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000620	0.0000000	0.0000000	0.0006770
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	-0.0019910	0.0000000	0.0000000	0.0000000	-0.0004360
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Ni	K	Se	Ag	Na
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000930	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0002270	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	-0.0003390	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Tl	V	Zn		
Aluminum	396.15	0.0000000	0.0000000	0.0000000		
Antimony	206.83	0.0000000	0.0000000	0.0000000		
Arsenic	189.04	0.0000000	0.0000000	0.0000000		
Barium	455.40	0.0000000	0.0000000	0.0000000		
Beryllium	313.40	0.0000000	0.0018940	0.0000000		
Cadmium	214.44	0.0000000	0.0000000	0.0000000		
Calcium	315.89	0.0000000	0.0000000	0.0000000		
Chromium	267.72	0.0000000	0.0000000	0.0000000		
Cobalt	228.62	0.0017990	0.0000000	0.0000000		
Copper	324.75	0.0000000	0.0000000	0.0000000		
Iron	259.94	0.0000000	0.0000000	0.0000000		
Lead	220.35	0.0000000	-0.0001170	0.0000000		
Magnesium	279.08	0.0000000	0.0000000	0.0000000		
Manganese	257.61	0.0000000	0.0000000	0.0000000		
Mercury						
Nickel	231.60	0.0005790	0.0000000	0.0000000		
Potassium	766.49	0.0000000	0.0000000	0.0000000		
Selenium	196.09	0.0000000	0.0000000	0.0000000		
Silver	328.07	0.0000000	0.0000000	0.0000000		
Sodium	589.59	0.0000000	0.0000000	0.0000000		
Thallium	190.86	0.0000000	0.0000000	0.0000000		
Vanadium	292.40	0.0011610	0.0000000	0.0000000		
Zinc	206.20	0.0000000	0.0000000	0.0000000		

Comments:

EPA 200.7, EPA 6010D		Linear Dynamic Range					
		All values are in mg/L and are 90% of the established LDR concentration.					
Instrument ID:		Trace 4	Trace 5	Trace 6	Trace 7	Trace 8	Trace 9
2023 Complete		☐	☐	☐	☐	☐	☐
Ag	Silver	36	27	9	13	90	45
Al	Aluminum	900	540	450	900	900	900
As	Arsenic	90	54	90	72	180	90
B	Boron	90	90	9	45	90	54
Ba	Barium	90	27	18	13	135	27
Be	Beryllium	27	36	9	9	11	31
Ca	Calcium	450	900	675	900	900	900
Cd	Cadmium	11	9	9	11	27	18
Co	Cobalt	90	63	45	22	135	90
Cr	Chromium	45	63	9	45	157	90
Cu	Copper	90	54	45	45	90	67
Fe	Iron	630	900	450	450	540	540
K	Potassium	900	900	675	720	900	900
Mg	Magnesium	450	900	360	900	900	900
Mn	Manganese	90	31	90	67	90	90
Mo	Molybdenum	45	36	9	22	67	45
Na	Sodium	675	900	450	405	630	900
Ni	Nickel	90	45	45	22	135	90
Pb	Lead	180	180	90	90	225	90
S	Sulfur	-	90	-	-	-	-
Sb	Antimony	22	45	45	4.5	90	45
Se	Selenium	27	27	45	22	15	45
Si	Silica	45	90	22	22	90	45
Sn	Tin	45	45	13	22	72	45
Sr	Strontium	45	45	9	9	67	45
Ti	Titanium	45	90	9	90	72	45
Tl	Thallium	45	90	45	22	135	45
V	Vanadium	90	90	90	90	112	45
Zn	Zinc	45	27	45	22	63	22

Form 12
Preparation Log

Client	: **Pace New England**	**Lab Number**	: **L2574898**
Project Name	: **25K1213**	**Project Number**	: **25K1213**
Matrix	: **SOIL**	**Prep Method**	: **EPA 3050B**

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2574898-15	11/25/25 07:57	1.32	-
L2574898-16	11/25/25 07:57	1.29	-
WG2146097-1	11/25/25 07:57	1.25	-
WG2146097-2	11/25/25 07:57	1.25	-
WG2146097-3	11/25/25 07:57	1.26	-
WG2146097-4	11/25/25 07:57	1.29	-

Form 12
Preparation Log

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Matrix	: SOIL	**Prep Method**	: EPA 3050B

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2574898-01	11/25/25 02:47	1.28	-
L2574898-02	11/25/25 02:47	1.29	-
L2574898-03	11/25/25 02:47	1.29	-
L2574898-04	11/25/25 02:47	1.29	-
L2574898-05	11/25/25 02:47	1.31	-
L2574898-06	11/25/25 02:47	1.29	-
L2574898-07	11/25/25 02:47	1.29	-
L2574898-08	11/25/25 02:47	1.32	-
L2574898-09	11/25/25 02:47	1.30	-
L2574898-10	11/25/25 02:47	1.29	-
L2574898-11	11/25/25 02:47	1.32	-
L2574898-12	11/25/25 02:47	1.28	-
L2574898-13	11/25/25 02:47	1.31	-
L2574898-14	11/25/25 02:47	1.30	-
WG2146092-1	11/25/25 02:47	1.25	-
WG2146092-2	11/25/25 02:47	1.25	-
WG2146092-3	11/25/25 02:47	1.32	-
WG2146092-4	11/25/25 02:47	1.33	-
WG2146092-5	11/25/25 02:47	1.31	-
WG2146092-6	11/25/25 02:47	1.31	-
WG2146092-7	11/25/25 02:47	1.29	-
WG2146092-8	11/25/25 02:47	1.29	-
WG2146092-9	11/25/25 02:47	1.30	-
WG2146092-10	11/25/25 02:47	1.30	-

Form 13
Analysis Run Log

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Instrument ID	: TRACE11	**Analysis Method**	: 1,6010D
Start Date	: 11/26/25 08:24	**End Date**	: 11/26/25 23:57

Sample Number	Dilution Factor	Analysis Time	Aluminum, Total	Antimony, Total	Arsenic, Total	Barium, Total	Beryllium, Total	Boron, Total	Cadmium, Total	Calcium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Iron, Total	Lead, Total	Magnesium, Total	Manganese, Total	Nickel, Total	Potassium, Total	Selenium, Total	Silver, Total	Sodium, Total	Thallium, Total	Vanadium, Total	Zinc, Total
R2041160-1 ICV	1	08:24:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-2 ICB	1	08:26:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-3 ICV	1	08:28:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-4 ICB	1	08:30:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-5 ICSA	1	08:37:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-6 CCV	1	09:31:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-7 CCB	1	09:33:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-8 CCV	1	09:57:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-9 CCB	1	09:59:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-10 CCV	1	10:57:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-11 CCB	1	10:59:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-12 CCV	1	11:38:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-13 CCB	1	11:41:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-14 CCV	1	11:51:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-15 CCB	1	11:53:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-16 CCV	1	12:26:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-17 CCB	1	12:28:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-18 CCV	1	13:04:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-19 CCB	1	13:06:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-20 CCV	1	13:31:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-21 CCB	1	13:33:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-22 CCV	1	14:14:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-23 CCB	1	14:16:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-24 CCV	1	15:01:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-25 CCB	1	15:03:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-26 CCV	1	15:36:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-27 CCB	1	15:38:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Form 13
Analysis Run Log

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Instrument ID	: TRACE11	**Analysis Method**	: 1,6010D
Start Date	: 11/26/25 08:24	**End Date**	: 11/26/25 23:57

Sample Number	Dilution Factor	Analysis Time	Aluminum, Total	Antimony, Total	Arsenic, Total	Barium, Total	Beryllium, Total	Boron, Total	Cadmium, Total	Calcium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Iron, Total	Lead, Total	Magnesium, Total	Manganese, Total	Nickel, Total	Potassium, Total	Selenium, Total	Silver, Total	Sodium, Total	Thallium, Total	Vanadium, Total	Zinc, Total
R2041160-28 CCV	1	16:02:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-29 CCB	1	16:04:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-30 CCV	1	16:43:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-31 CCB	1	16:45:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-32 CCV	1	17:09:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-33 CCB	1	17:12:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-34 CCV	1	17:42:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-35 CCB	1	17:44:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-36 CCV	1	18:29:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-37 CCB	1	18:32:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-38 CCV	1	19:23:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-39 CCB	1	19:25:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-40 CCV	1	20:02:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-41 CCB	1	20:04:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-42 CCV	1	21:44:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-43 CCB	1	21:46:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2146097-1 BLANK	1	22:01:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2146097-2 LCS	2	22:04:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2146097-3 MS	2	22:15:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2146097-4 MSD	2	22:18:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-44 CCV	1	22:25:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-45 CCB	1	22:27:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-46 CCV	1	23:05:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-47 CCV	1	23:33:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-48 CCB	1	23:36:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2574898-15	2	23:51:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2574898-16	2	23:53:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Form 13
Analysis Run Log

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Instrument ID	: TRACE11	**Analysis Method**	: 1,6010D
Start Date	: 11/26/25 08:24	**End Date**	: 11/26/25 23:57

Sample Number	Dilution Factor	Analysis Time	Aluminum, Total	Antimony, Total	Arsenic, Total	Barium, Total	Beryllium, Total	Boron, Total	Cadmium, Total	Calcium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Iron, Total	Lead, Total	Magnesium, Total	Manganese, Total	Nickel, Total	Potassium, Total	Selenium, Total	Silver, Total	Sodium, Total	Thallium, Total	Vanadium, Total	Zinc, Total
R2041160-49 CCV	1	23:55:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041160-50 CCB	1	23:57:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Form 13
Analysis Run Log

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Instrument ID	: TRACE11	**Analysis Method**	: 1,6010D
Start Date	: 11/28/25 06:22	**End Date**	: 11/28/25 08:39

Sample Number	Dilution Factor	Analysis Time	Aluminum, Total	Antimony, Total	Arsenic, Total	Barium, Total	Beryllium, Total	Boron, Total	Cadmium, Total	Calcium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Iron, Total	Lead, Total	Magnesium, Total	Manganese, Total	Nickel, Total	Potassium, Total	Selenium, Total	Silver, Total	Sodium, Total	Thallium, Total	Vanadium, Total	Zinc, Total
R2041517-1 ICV	1	06:22:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041517-2 ICB	1	06:24:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041517-3 ICV	1	06:26:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041517-4 ICB	1	06:29:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041517-5 ICSA	1	06:33:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041517-6 CCV	1	07:05:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041517-7 CCB	1	07:07:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2146092-1 BLANK	1	07:19:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2146092-2 LCS	2	07:22:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2574898-13	2	07:30:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2146092-3 MS	2	07:32:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2146092-4 MSD	2	07:35:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2146092-5 PS	2	07:37:09		X						X															
WG2146092-6 SERDIL	10	07:39:18	X			X				X				X		X	X								
R2041517-8 CCV	1	07:41:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041517-9 CCB	1	07:43:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2574898-01	2	07:52:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2574898-02	2	07:54:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2574898-14	2	07:56:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2146092-7 MS	2	07:58:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2146092-8 MSD	2	08:01:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2146092-9 PS	2	08:03:12		X																					
WG2146092-10 SERDIL	10	08:05:22	X			X				X				X		X	X								
R2041517-10 CCV	1	08:07:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041517-11 CCB	1	08:09:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2574898-03	2	08:16:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2574898-04	2	08:18:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Form 13
Analysis Run Log

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Instrument ID	: TRACE11	**Analysis Method**	: 1,6010D
Start Date	: 11/28/25 06:22	**End Date**	: 11/28/25 08:39

Sample Number	Dilution Factor	Analysis Time	Aluminum, Total	Antimony, Total	Arsenic, Total	Barium, Total	Beryllium, Total	Boron, Total	Cadmium, Total	Calcium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Iron, Total	Lead, Total	Magnesium, Total	Manganese, Total	Nickel, Total	Potassium, Total	Selenium, Total	Silver, Total	Sodium, Total	Thallium, Total	Vanadium, Total	Zinc, Total
L2574898-05	2	08:20:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2574898-06	2	08:22:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2574898-07	2	08:24:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2574898-08	2	08:26:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2574898-09	2	08:29:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2574898-10	2	08:31:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2574898-11	2	08:33:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2574898-12	2	08:35:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041517-12 CCV	1	08:37:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041517-13 CCB	1	08:39:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Date Created: 11/04/16
Created By: Jason Hebert
File: PM2960-2
Page: 1

METALS by 200.7, 6010C (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria	Holding Time	Container/Sample Preservation
Aluminum	7429-90-5	0.1	0.0318	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Antimony	7440-36-0	0.05	0.0071	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Arsenic	7440-38-2	0.005	0.0019	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Barium	7440-39-3	0.01	0.0021	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Beryllium	7440-41-7	0.005	0.0009	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Cadmium	7440-43-9	0.005	0.001	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Calcium	7440-70-2	0.1	0.035	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Chromium	7440-47-3	0.01	0.0021	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Cobalt	7440-48-4	0.02	0.0017	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Copper	7440-50-8	0.01	0.0022	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Iron	7439-89-6	0.05	0.009	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Lead	7439-92-1	0.01	0.0027	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Magnesium	7439-95-4	0.1	0.0153	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Manganese	7439-96-5	0.01	0.0016	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Nickel	7440-02-0	0.025	0.0024	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Potassium	7440-09-7	2.5	0.237	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Selenium	7782-49-2	0.01	0.0035	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Silver	7440-22-4	0.007	0.0028	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Sodium	7440-23-5	2	0.12	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Thallium	7440-28-0	0.02	0.0025	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Vanadium	7440-62-2	0.01	0.002	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Zinc	7440-66-6	0.05	0.0021	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved

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

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METALS by 6010C (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria	Holding Time	Container/Sample Preservation
Aluminum, Total	7429-90-5	4	1.08	mg/kg	48-151		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Antimony, Total	7440-36-0	2	0.152	mg/kg	1-208		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Arsenic, Total	7440-38-2	0.4	0.0832	mg/kg	79-121		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Barium, Total	7440-39-3	0.4	0.0696	mg/kg	83-117		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Beryllium, Total	7440-41-7	0.2	0.0132	mg/kg	83-117		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Cadmium, Total	7440-43-9	0.4	0.0392	mg/kg	83-117		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Calcium, Total	7440-70-2	4	1.4	mg/kg	81-119		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Chromium, Total	7440-47-3	0.4	0.0384	mg/kg	80-120		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Cobalt, Total	7440-48-4	0.8	0.0664	mg/kg	84-115		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Copper, Total	7440-50-8	0.4	0.1032	mg/kg	81-118		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Iron, Total	7439-89-6	2	0.3612	mg/kg	45-155		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Lead, Total	7439-92-1	2	0.1072	mg/kg	81-117		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Magnesium, Total	7439-95-4	4	0.616	mg/kg	76-124		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Manganese, Total	7439-96-5	0.4	0.0636	mg/kg	81-117		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Nickel, Total	7440-02-0	1	0.0968	mg/kg	83-117		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Potassium, Total	7440-09-7	100	5.76	mg/kg	71-129		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Selenium, Total	7782-49-2	0.8	0.1032	mg/kg	78-122		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Silver, Total	7440-22-4	0.4	0.1132	mg/kg	75-124		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Sodium, Total	7440-23-5	80	1.26	mg/kg	72-127		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Thallium, Total	7440-28-0	0.8	0.126	mg/kg	80-120		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Vanadium, Total	7440-62-2	0.4	0.0812	mg/kg	78-122		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Zinc, Total	7440-66-6	2	0.1172	mg/kg	82-118		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved

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

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample:	xBlank JMF Trace11
Analysis started at:	11/26/2025 8:17:20 AM
Comment	<Comment>
Rack Number	0
Vial Numbers	1

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: Blank JMF Trace11
Analysis started at: 11/26/2025 8:19:39 AM
Comment <Comment>
Rack Number 0
Vial Numbers 1

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	1.5 %	-0.3 %	2.8 %	0.2 %	0.5 %	-0.3 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.8 %	0.2 %	0.1 %	0.3 %	-0.3 %	-0.4 %	0.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-1.3 %	-1.0 %	-1.9 %	1.0 %	-0.3 %	0.2 %	1.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.4 %	0.3 %	0.3 %	-4.2 %	-0.1 %	-2.0 %	-0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration per Run	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration RSD	0.8 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: ICAL
Analysis started at: 11/26/2025 8:21:51 AM
Comment <Comment>
Rack Number 0
Vial Numbers 2

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	10.0000 ppm
Concentration per Run	0.9945 ppm	25.0091 ppm	1.0038 ppm	0.9933 ppm	1.0043 ppm	1.0053 ppm	10.0508 ppm
Concentration per Run	1.0077 ppm	25.0247 ppm	0.9968 ppm	1.0079 ppm	0.9963 ppm	0.9990 ppm	9.9989 ppm
Concentration per Run	0.9978 ppm	24.9661 ppm	0.9994 ppm	0.9989 ppm	0.9994 ppm	0.9957 ppm	9.9503 ppm
Concentration RSD	0.7 %	0.1 %	0.4 %	0.7 %	0.4 %	0.5 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	35.0000 ppm	1.0000 ppm
Concentration per Run	1.0003 ppm	0.9957 ppm	0.9945 ppm	0.9975 ppm	25.0925 ppm	35.1279 ppm	1.0075 ppm
Concentration per Run	1.0068 ppm	1.0037 ppm	1.0142 ppm	1.0051 ppm	24.9494 ppm	34.8474 ppm	0.9861 ppm
Concentration per Run	0.9929 ppm	1.0006 ppm	0.9913 ppm	0.9975 ppm	24.9580 ppm	35.0247 ppm	1.0064 ppm
Concentration RSD	0.7 %	0.4 %	1.2 %	0.4 %	0.3 %	0.4 %	1.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	10.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run	9.9984 ppm	1.0074 ppm	0.9989 ppm	25.0783 ppm	0.9975 ppm	0.9992 ppm	1.0031 ppm
Concentration per Run	9.9410 ppm	0.9965 ppm	1.0003 ppm	24.8806 ppm	1.0015 ppm	1.0037 ppm	1.0028 ppm
Concentration per Run	10.0607 ppm	0.9961 ppm	1.0008 ppm	25.0411 ppm	1.0010 ppm	0.9971 ppm	0.9942 ppm
Concentration RSD	0.6 %	0.6 %	0.1 %	0.4 %	0.2 %	0.3 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	1.0000 ppm	10.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run	1.0041 ppm	9.9075 ppm	0.9933 ppm	1.0037 ppm	0.9999 ppm	1.0021 ppm	0.9974 ppm
Concentration per Run	0.9994 ppm	10.0219 ppm	1.0115 ppm	0.9975 ppm	0.9976 ppm	1.0014 ppm	1.0020 ppm
Concentration per Run	0.9965 ppm	10.0706 ppm	0.9952 ppm	0.9988 ppm	1.0025 ppm	0.9965 ppm	1.0006 ppm
Concentration RSD	0.4 %	0.8 %	1.0 %	0.3 %	0.2 %	0.3 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0000 ppm	100.0912 %	102.4646 %	97.4720 %	97.6968 %	100.4792 %	98.0778 %
Concentration per Run	0.9969 ppm	100.4456 %	102.2519 %	97.2164 %	97.9362 %	100.9356 %	97.8367 %
Concentration per Run	1.0097 ppm	99.9257 %	102.6348 %	97.4250 %	97.7317 %	100.3128 %	98.3533 %
Concentration per Run	0.9933 ppm	99.9024 %	102.5069 %	97.7745 %	97.4227 %	100.1892 %	98.0433 %
Concentration RSD	0.9 %	0.3 %	0.2 %	0.3 %	0.3 %	0.4 %	0.3 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: ICV
Analysis started at: 11/26/2025 8:24:00 AM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5067 ppm	0.4965 ppm	0.4833 ppm	0.4996 ppm	0.5002 ppm	0.5147 ppm	0.5097 ppm
Concentration per Run	0.5077 ppm	0.4899 ppm	0.4846 ppm	0.4991 ppm	0.5016 ppm	0.5156 ppm	0.5085 ppm
Concentration per Run	0.5069 ppm	0.4924 ppm	0.4861 ppm	0.4995 ppm	0.4974 ppm	0.5111 ppm	0.5045 ppm
Concentration per Run	0.5054 ppm	0.5073 ppm	0.4790 ppm	0.5003 ppm	0.5017 ppm	0.5174 ppm	0.5161 ppm
Recovery Percentage	101.337 %	99.307 %	96.651 %	99.929 %	100.042 %	102.937 %	101.943 %
Concentration RSD	0.2 %	1.9 %	0.8 %	0.1 %	0.5 %	0.6 %	1.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5091 ppm	0.5189 ppm	0.5098 ppm	0.5203 ppm	0.5076 ppm	5.2131 ppm	0.5118 ppm
Concentration per Run	0.5111 ppm	0.5192 ppm	0.5100 ppm	0.5203 ppm	0.5100 ppm	5.2180 ppm	0.5139 ppm
Concentration per Run	0.5080 ppm	0.5187 ppm	0.5111 ppm	0.5207 ppm	0.4990 ppm	5.1668 ppm	0.5090 ppm
Concentration per Run	0.5080 ppm	0.5189 ppm	0.5083 ppm	0.5198 ppm	0.5140 ppm	5.2545 ppm	0.5125 ppm
Recovery Percentage	101.811 %	103.781 %	101.961 %	104.058 %	101.530 %	104.262 %	102.361 %
Concentration RSD	0.3 %	0.0 %	0.3 %	0.1 %	1.5 %	0.8 %	0.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5098 ppm	0.5165 ppm	0.5003 ppm	10.1696 ppm	0.5198 ppm	0.5109 ppm	0.5173 ppm
Concentration per Run	0.5110 ppm	0.5189 ppm	0.4995 ppm	10.2697 ppm	0.5198 ppm	0.5109 ppm	0.5146 ppm
Concentration per Run	0.5106 ppm	0.5126 ppm	0.5006 ppm	10.0769 ppm	0.5198 ppm	0.5102 ppm	0.5199 ppm
Concentration per Run	0.5079 ppm	0.5182 ppm	0.5010 ppm	10.1623 ppm	0.5199 ppm	0.5115 ppm	0.5175 ppm
Recovery Percentage	101.966 %	103.307 %	100.066 %	101.696 %	103.962 %	102.177 %	103.470 %
Concentration RSD	0.3 %	0.7 %	0.2 %	0.9 %	0.0 %	0.1 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4924 ppm	5.4866 ppm	0.5053 ppm	0.4965 ppm	0.5066 ppm	0.5175 ppm	0.5132 ppm
Concentration per Run	0.4905 ppm	5.4578 ppm	0.5054 ppm	0.4975 ppm	0.5077 ppm	0.5188 ppm	0.5126 ppm
Concentration per Run	0.4982 ppm	5.4962 ppm	0.5050 ppm	0.4946 ppm	0.5064 ppm	0.5161 ppm	0.5138 ppm
Concentration per Run	0.4885 ppm	5.5059 ppm	0.5055 ppm	0.4974 ppm	0.5058 ppm	0.5177 ppm	0.5133 ppm
Recovery Percentage	98.480 %	104.507 %	101.059 %	99.304 %	101.322 %	103.505 %	102.648 %
Concentration RSD	1.0 %	0.5 %	0.1 %	0.3 %	0.2 %	0.3 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5113 ppm	101.7189 %	102.4549 %	101.3661 %	99.5397 %	100.6334 %	99.8899 %
Concentration per Run	0.5149 ppm	101.3759 %	102.7188 %	101.8565 %	98.9947 %	101.2696 %	100.4865 %
Concentration per Run	0.5092 ppm	101.9351 %	103.1479 %	101.0915 %	99.9686 %	100.3508 %	99.5947 %
Concentration per Run	0.5097 ppm	101.8459 %	101.4981 %	101.1503 %	99.6560 %	100.2798 %	99.5884 %
Recovery Percentage	102.255 %						
Concentration RSD	0.6 %	0.3 %	0.8 %	0.4 %	0.5 %	0.5 %	0.5 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: ICB
Analysis started at: 11/26/2025 8:26:09 AM
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Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0055 ppm	-0.0011 ppm	0.0018 ppm	-0.0002 ppm	0.0000 ppm	0.0011 ppm
Concentration per Run	-0.0003 ppm	0.0018 ppm	-0.0040 ppm	0.0008 ppm	-0.0002 ppm	0.0000 ppm	-0.0022 ppm
Concentration per Run	-0.0001 ppm	0.0034 ppm	-0.0004 ppm	0.0029 ppm	-0.0003 ppm	0.0000 ppm	0.0046 ppm
Concentration per Run	0.0003 ppm	0.0113 ppm	0.0011 ppm	0.0016 ppm	-0.0002 ppm	0.0000 ppm	0.0010 ppm
Recovery Percentage	-0.681 %	5.512 %	-21.849 %	5.861 %	-2.348 %	0.005 %	1.129 %
Concentration RSD	636.0 %	92.1 %	236.2 %	57.9 %	38.9 %	5,430.6 %	302.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0001 ppm	-0.0002 ppm	0.0003 ppm	0.0004 ppm	-0.0076 ppm	-0.0015 ppm
Concentration per Run	0.0001 ppm	-0.0003 ppm	-0.0001 ppm	0.0001 ppm	0.0014 ppm	0.0026 ppm	-0.0029 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	-0.0002 ppm	0.0004 ppm	0.0015 ppm	-0.0214 ppm	-0.0005 ppm
Concentration per Run	0.0002 ppm	0.0000 ppm	-0.0002 ppm	0.0003 ppm	-0.0016 ppm	-0.0039 ppm	-0.0011 ppm
Recovery Percentage	2.152 %	-0.296 %	-1.574 %	2.578 %	0.856 %	-0.304 %	-29.886 %
Concentration RSD	116.0 %	401.1 %	26.3 %	76.6 %	411.6 %	163.5 %	85.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0014 ppm	-0.0002 ppm	-0.0001 ppm	-0.0003 ppm	0.0001 ppm	-0.0004 ppm	-0.0011 ppm
Concentration per Run	0.0021 ppm	-0.0004 ppm	-0.0001 ppm	-0.0039 ppm	0.0005 ppm	-0.0009 ppm	-0.0032 ppm
Concentration per Run	0.0025 ppm	-0.0002 ppm	-0.0004 ppm	0.0020 ppm	-0.0005 ppm	0.0000 ppm	0.0007 ppm
Concentration per Run	-0.0005 ppm	0.0000 ppm	0.0003 ppm	0.0011 ppm	0.0003 ppm	-0.0003 ppm	-0.0008 ppm
Recovery Percentage	1.361 %	-2.148 %	-0.111 %	-0.013 %	0.272 %	-4.075 %	-2.268 %
Concentration RSD	119.8 %	100.8 %	607.3 %	1,191.2 %	799.9 %	103.0 %	172.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0028 ppm	0.0009 ppm	0.0006 ppm	0.0000 ppm	0.0004 ppm	0.0015 ppm	-0.0001 ppm
Concentration per Run	0.0011 ppm	0.0012 ppm	0.0002 ppm	0.0002 ppm	0.0002 ppm	0.0021 ppm	0.0001 ppm
Concentration per Run	-0.0002 ppm	-0.0021 ppm	0.0019 ppm	0.0000 ppm	0.0002 ppm	0.0013 ppm	-0.0002 ppm
Concentration per Run	0.0076 ppm	0.0038 ppm	-0.0002 ppm	-0.0001 ppm	0.0007 ppm	0.0009 ppm	-0.0003 ppm
Recovery Percentage	28.293 %	0.189 %	1.288 %	0.307 %	3.795 %	7.254 %	-1.310 %
Concentration RSD	147.8 %	310.3 %	165.7 %	543.8 %	65.6 %	42.0 %	136.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0002 ppm	99.9982 %	101.0493 %	99.8783 %	99.4326 %	101.1672 %	99.8703 %
Concentration per Run	-0.0002 ppm	99.7635 %	100.9284 %	99.8707 %	98.3330 %	101.4804 %	99.7628 %
Concentration per Run	-0.0001 ppm	99.8682 %	100.9523 %	99.5019 %	99.5890 %	101.2938 %	99.4806 %
Concentration per Run	-0.0004 ppm	100.3629 %	101.2671 %	100.2623 %	100.3757 %	100.7273 %	100.3674 %
Recovery Percentage	-3.952 %						
Concentration RSD	70.0 %	0.3 %	0.2 %	0.4 %	1.0 %	0.4 %	0.5 %

ICP DataTrace 11

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LabBook: WG2146815_11262025T11.imexp

Sample: ICV
Analysis started at: 11/26/2025 8:28:19 AM
Comment <Comment>
Rack Number 0
Vial Numbers 10

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5095 ppm	0.4937 ppm	0.4797 ppm	0.5031 ppm	0.4984 ppm	0.5104 ppm	0.5047 ppm
Concentration per Run	0.5106 ppm	0.5055 ppm	0.4799 ppm	0.5047 ppm	0.4978 ppm	0.5120 ppm	0.5070 ppm
Concentration per Run	0.5068 ppm	0.4899 ppm	0.4793 ppm	0.4991 ppm	0.4992 ppm	0.5102 ppm	0.5074 ppm
Concentration per Run	0.5112 ppm	0.4857 ppm	0.4800 ppm	0.5054 ppm	0.4983 ppm	0.5089 ppm	0.4997 ppm
Recovery Percentage	101.907 %	98.744 %	95.950 %	100.617 %	99.680 %	102.079 %	100.938 %
Concentration RSD	0.5 %	2.1 %	0.1 %	0.7 %	0.1 %	0.3 %	0.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5076 ppm	0.5180 ppm	0.5091 ppm	0.5191 ppm	0.5017 ppm	5.2191 ppm	0.4951 ppm
Concentration per Run	0.5102 ppm	0.5187 ppm	0.5131 ppm	0.5214 ppm	0.5058 ppm	5.2386 ppm	0.4874 ppm
Concentration per Run	0.5038 ppm	0.5156 ppm	0.5044 ppm	0.5171 ppm	0.5036 ppm	5.2185 ppm	0.4975 ppm
Concentration per Run	0.5088 ppm	0.5196 ppm	0.5098 ppm	0.5188 ppm	0.4959 ppm	5.2002 ppm	0.5004 ppm
Recovery Percentage	101.520 %	103.597 %	101.824 %	103.821 %	100.346 %	104.382 %	99.017 %
Concentration RSD	0.7 %	0.4 %	0.9 %	0.4 %	1.0 %	0.4 %	1.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5071 ppm	0.5120 ppm	0.4972 ppm	10.1276 ppm	0.5184 ppm	0.5070 ppm	0.5131 ppm
Concentration per Run	0.5070 ppm	0.5145 ppm	0.4974 ppm	10.0322 ppm	0.5206 ppm	0.5059 ppm	0.5168 ppm
Concentration per Run	0.5076 ppm	0.5130 ppm	0.4955 ppm	10.1812 ppm	0.5172 ppm	0.5074 ppm	0.5083 ppm
Concentration per Run	0.5068 ppm	0.5084 ppm	0.4989 ppm	10.1694 ppm	0.5175 ppm	0.5078 ppm	0.5141 ppm
Recovery Percentage	101.428 %	102.394 %	99.449 %	101.276 %	103.687 %	101.406 %	102.611 %
Concentration RSD	0.1 %	0.6 %	0.3 %	0.8 %	0.4 %	0.2 %	0.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4894 ppm	5.4858 ppm	0.5104 ppm	0.4951 ppm	0.5044 ppm	0.5161 ppm	0.5111 ppm
Concentration per Run	0.4891 ppm	5.4713 ppm	0.5085 ppm	0.4939 ppm	0.5045 ppm	0.5155 ppm	0.5125 ppm
Concentration per Run	0.4860 ppm	5.4666 ppm	0.5101 ppm	0.4953 ppm	0.5032 ppm	0.5151 ppm	0.5092 ppm
Concentration per Run	0.4933 ppm	5.5196 ppm	0.5126 ppm	0.4961 ppm	0.5056 ppm	0.5176 ppm	0.5118 ppm
Recovery Percentage	97.889 %	104.492 %	102.077 %	99.020 %	100.880 %	103.215 %	102.230 %
Concentration RSD	0.7 %	0.5 %	0.4 %	0.2 %	0.2 %	0.3 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5098 ppm	101.8766 %	102.9455 %	102.1206 %	99.4867 %	100.5002 %	100.2640 %
Concentration per Run	0.5132 ppm	101.4387 %	102.1409 %	102.1574 %	99.2178 %	100.0526 %	100.4314 %
Concentration per Run	0.5059 ppm	102.3822 %	103.1871 %	102.4743 %	99.9747 %	100.7341 %	100.5706 %
Concentration per Run	0.5103 ppm	101.8088 %	103.5084 %	101.7303 %	99.2676 %	100.7138 %	99.7898 %
Recovery Percentage	101.955 %						
Concentration RSD	0.7 %	0.5 %	0.7 %	0.4 %	0.4 %	0.4 %	0.4 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: ICB
Analysis started at: 11/26/2025 8:30:28 AM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0011 ppm	-0.0013 ppm	0.0016 ppm	-0.0001 ppm	0.0000 ppm	-0.0022 ppm
Concentration per Run	0.0003 ppm	-0.0057 ppm	-0.0019 ppm	0.0018 ppm	-0.0002 ppm	0.0000 ppm	-0.0049 ppm
Concentration per Run	-0.0003 ppm	0.0066 ppm	0.0001 ppm	0.0012 ppm	-0.0001 ppm	0.0000 ppm	-0.0016 ppm
Concentration per Run	-0.0001 ppm	0.0023 ppm	-0.0022 ppm	0.0016 ppm	-0.0001 ppm	0.0001 ppm	-0.0002 ppm
Recovery Percentage	-0.384 %	1.064 %	-26.397 %	5.230 %	-1.393 %	0.990 %	-2.242 %
Concentration RSD	1,120.2 %	586.1 %	94.1 %	18.7 %	9.3 %	85.7 %	106.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0002 ppm	0.0001 ppm	0.0002 ppm	0.0001 ppm	-0.0115 ppm	-0.0012 ppm
Concentration per Run	0.0002 ppm	-0.0003 ppm	-0.0005 ppm	0.0007 ppm	0.0006 ppm	-0.0051 ppm	-0.0024 ppm
Concentration per Run	0.0001 ppm	0.0004 ppm	0.0004 ppm	-0.0001 ppm	-0.0013 ppm	-0.0457 ppm	-0.0025 ppm
Concentration per Run	0.0002 ppm	0.0004 ppm	0.0003 ppm	0.0000 ppm	0.0010 ppm	0.0163 ppm	0.0013 ppm
Recovery Percentage	3.024 %	0.819 %	0.775 %	1.999 %	0.201 %	-0.460 %	-24.339 %
Concentration RSD	43.0 %	265.0 %	636.2 %	208.6 %	1,210.4 %	273.7 %	176.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0003 ppm	-0.0002 ppm	0.0002 ppm	0.0015 ppm	-0.0001 ppm	-0.0006 ppm	-0.0009 ppm
Concentration per Run	-0.0021 ppm	-0.0003 ppm	0.0001 ppm	0.0002 ppm	-0.0012 ppm	-0.0002 ppm	-0.0028 ppm
Concentration per Run	0.0022 ppm	-0.0001 ppm	0.0002 ppm	0.0042 ppm	0.0002 ppm	-0.0002 ppm	-0.0010 ppm
Concentration per Run	-0.0011 ppm	-0.0002 ppm	0.0003 ppm	0.0000 ppm	0.0008 ppm	-0.0013 ppm	0.0010 ppm
Recovery Percentage	-0.311 %	-1.732 %	0.412 %	0.074 %	-0.278 %	-5.517 %	-1.820 %
Concentration RSD	724.9 %	56.9 %	51.9 %	159.1 %	1,434.2 %	111.2 %	209.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0004 ppm	0.0017 ppm	0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0009 ppm	0.0001 ppm
Concentration per Run	0.0020 ppm	0.0014 ppm	-0.0006 ppm	0.0000 ppm	0.0003 ppm	0.0001 ppm	0.0001 ppm
Concentration per Run	-0.0020 ppm	-0.0001 ppm	-0.0006 ppm	0.0000 ppm	-0.0003 ppm	0.0020 ppm	0.0000 ppm
Concentration per Run	0.0013 ppm	0.0037 ppm	0.0019 ppm	0.0000 ppm	-0.0001 ppm	0.0007 ppm	0.0003 ppm
Recovery Percentage	4.259 %	0.337 %	0.515 %	-0.055 %	-0.089 %	4.674 %	1.299 %
Concentration RSD	498.3 %	113.8 %	559.7 %	532.7 %	3,506.7 %	104.7 %	144.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0000 ppm	100.1465 %	100.9538 %	100.1809 %	99.8050 %	100.7518 %	99.7642 %
Concentration per Run	0.0003 ppm	99.4078 %	100.5602 %	99.9058 %	98.9554 %	101.2479 %	99.6608 %
Concentration per Run	-0.0002 ppm	100.7671 %	100.9434 %	100.0709 %	100.8276 %	100.2839 %	99.4801 %
Concentration per Run	-0.0001 ppm	100.2646 %	101.3578 %	100.5662 %	99.6320 %	100.7235 %	100.1518 %
Recovery Percentage	0.143 %						
Concentration RSD	3,128.2 %	0.7 %	0.4 %	0.3 %	0.9 %	0.5 %	0.3 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: LLOQ
Analysis started at: 11/26/2025 8:32:37 AM
Comment <Comment>
Rack Number 0
Vial Numbers 5

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0054 ppm	0.1183 ppm	0.0040 ppm	0.0312 ppm	0.0102 ppm	0.0053 ppm	0.1259 ppm
Concentration per Run	0.0056 ppm	0.1189 ppm	0.0048 ppm	0.0306 ppm	0.0103 ppm	0.0053 ppm	0.1263 ppm
Concentration per Run	0.0052 ppm	0.1184 ppm	0.0031 ppm	0.0323 ppm	0.0102 ppm	0.0053 ppm	0.1238 ppm
Concentration per Run	0.0053 ppm	0.1175 ppm	0.0041 ppm	0.0307 ppm	0.0102 ppm	0.0053 ppm	0.1275 ppm
Recovery Percentage	107.467 %	118.251 %	79.758 %	104.042 %	102.018 %	105.964 %	125.854 %
Concentration RSD	4.6 %	0.6 %	21.5 %	3.0 %	0.4 %	0.3 %	1.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0042 ppm	0.0109 ppm	0.0105 ppm	0.0108 ppm	0.0592 ppm	2.6827 ppm	0.0116 ppm
Concentration per Run	0.0041 ppm	0.0110 ppm	0.0107 ppm	0.0110 ppm	0.0609 ppm	2.7102 ppm	0.0132 ppm
Concentration per Run	0.0043 ppm	0.0105 ppm	0.0105 ppm	0.0103 ppm	0.0581 ppm	2.6590 ppm	0.0121 ppm
Concentration per Run	0.0042 ppm	0.0110 ppm	0.0102 ppm	0.0112 ppm	0.0586 ppm	2.6789 ppm	0.0094 ppm
Recovery Percentage	105.676 %	108.530 %	104.620 %	108.429 %	118.413 %	107.307 %	115.605 %
Concentration RSD	2.4 %	2.8 %	2.5 %	4.2 %	2.6 %	1.0 %	16.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.1150 ppm	0.0104 ppm	0.0514 ppm	2.0935 ppm	0.0215 ppm	0.0099 ppm	0.0517 ppm
Concentration per Run	0.1138 ppm	0.0105 ppm	0.0513 ppm	2.1176 ppm	0.0214 ppm	0.0099 ppm	0.0512 ppm
Concentration per Run	0.1151 ppm	0.0102 ppm	0.0508 ppm	2.0700 ppm	0.0217 ppm	0.0095 ppm	0.0530 ppm
Concentration per Run	0.1160 ppm	0.0105 ppm	0.0520 ppm	2.0929 ppm	0.0214 ppm	0.0104 ppm	0.0510 ppm
Recovery Percentage	114.961 %	103.914 %	102.728 %	104.675 %	86.023 %	98.944 %	103.443 %
Concentration RSD	1.0 %	1.4 %	1.1 %	1.1 %	0.8 %	4.5 %	2.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0124 ppm	0.5297 ppm	0.0522 ppm	0.0101 ppm	0.0102 ppm	0.0217 ppm	0.0102 ppm
Concentration per Run	0.0140 ppm	0.5294 ppm	0.0520 ppm	0.0102 ppm	0.0104 ppm	0.0211 ppm	0.0103 ppm
Concentration per Run	0.0131 ppm	0.5293 ppm	0.0535 ppm	0.0101 ppm	0.0104 ppm	0.0214 ppm	0.0100 ppm
Concentration per Run	0.0100 ppm	0.5304 ppm	0.0512 ppm	0.0102 ppm	0.0098 ppm	0.0226 ppm	0.0105 ppm
Recovery Percentage	123.766 %	105.941 %	104.434 %	101.300 %	102.146 %	108.375 %	102.339 %
Concentration RSD	17.2 %	0.1 %	2.2 %	0.6 %	3.4 %	3.7 %	2.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0059 ppm	102.5388 %	104.0795 %	103.6223 %	100.6887 %	102.3973 %	101.4337 %
Concentration per Run	0.0060 ppm	102.2785 %	103.8841 %	103.1998 %	100.7833 %	102.8441 %	100.7008 %
Concentration per Run	0.0062 ppm	102.3042 %	104.9488 %	103.7722 %	100.3617 %	102.4286 %	101.7153 %
Concentration per Run	0.0056 ppm	103.0336 %	103.4055 %	103.8950 %	100.9211 %	101.9192 %	101.8848 %
Recovery Percentage	118.405 %						
Concentration RSD	4.6 %	0.4 %	0.8 %	0.4 %	0.3 %	0.5 %	0.6 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: ICSA
Analysis started at: 11/26/2025 8:37:32 AM
Comment LDR +/-10%
Rack Number 0
Vial Numbers 6

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0017 ppm	514.7390 [SIC 1000]	-0.0025 ppm	0.0015 ppm	0.0015 ppm	0.0000 ppm	470.2443 ppm
Concentration per Run	0.0020 ppm	515.3270 ppm	-0.0043 ppm	0.0004 ppm	0.0014 ppm	0.0000 ppm	470.9010 ppm
Concentration per Run	0.0014 ppm	516.0416 ppm	-0.0042 ppm	0.0018 ppm	0.0015 ppm	0.0000 ppm	471.6069 ppm
Concentration per Run	0.0018 ppm	512.8485 ppm	0.0009 ppm	0.0022 ppm	0.0015 ppm	0.0001 ppm	468.2250 ppm
Recovery Percentage	24.231 %		-50.482 %	4.910 %	14.740 %	0.844 %	
Concentration RSD	18.5 %	0.3 %	117.2 %	64.1 %	1.7 %	95.2 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0003 ppm	0.0006 ppm	0.0064 ppm	185.8203 ppm	0.0266 ppm	0.0099 ppm
Concentration per Run	0.0003 ppm	0.0000 ppm	0.0007 ppm	0.0059 ppm	186.5479 ppm	0.0338 ppm	0.0102 ppm
Concentration per Run	0.0001 ppm	0.0004 ppm	0.0001 ppm	0.0063 ppm	186.2742 ppm	0.0275 ppm	0.0134 ppm
Concentration per Run	0.0002 ppm	0.0004 ppm	0.0011 ppm	0.0071 ppm	184.6388 ppm	0.0185 ppm	0.0059 ppm
Recovery Percentage	4.657 %	1.274 %	6.316 %	64.468 %		1.064 %	197.154 %
Concentration RSD	46.7 %	94.3 %	76.8 %	9.0 %	0.6 %	29.0 %	38.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	491.0651 ppm	-0.0019 ppm	-0.0003 ppm	0.0221 ppm	0.0014 ppm	-0.0018 ppm	0.0044 ppm
Concentration per Run	491.6457 ppm	-0.0017 ppm	-0.0002 ppm	0.0235 ppm	0.0007 ppm	-0.0019 ppm	0.0123 ppm
Concentration per Run	491.2003 ppm	-0.0021 ppm	-0.0004 ppm	0.0205 ppm	0.0027 ppm	-0.0004 ppm	0.0020 ppm
Concentration per Run	490.3492 ppm	-0.0020 ppm	-0.0004 ppm	0.0222 ppm	0.0009 ppm	-0.0031 ppm	-0.0010 ppm
Recovery Percentage		-19.227 %	-0.659 %	1.105 %	5.738 %	-17.849 %	8.864 %
Concentration RSD	0.1 %	9.4 %	29.5 %	6.7 %	76.8 %	75.3 %	158.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0071 ppm	0.0074 ppm	-0.0004 ppm	0.0055 ppm	0.0005 ppm	-0.0004 ppm	-0.0020 ppm
Concentration per Run	0.0045 ppm	0.0075 ppm	0.0000 ppm	0.0056 ppm	0.0003 ppm	-0.0032 ppm	-0.0019 ppm
Concentration per Run	0.0076 ppm	0.0066 ppm	-0.0012 ppm	0.0056 ppm	0.0003 ppm	0.0000 ppm	-0.0017 ppm
Concentration per Run	0.0091 ppm	0.0081 ppm	0.0000 ppm	0.0054 ppm	0.0008 ppm	0.0022 ppm	-0.0024 ppm
Recovery Percentage	70.798 %	1.485 %	-0.775 %	55.441 %	4.802 %	-1.759 %	-19.793 %
Concentration RSD	33.0 %	10.2 %	172.4 %	1.6 %	62.2 %	773.4 %	17.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0013 ppm	89.4298 %	97.4201 %	80.9407 %	86.8107 %	96.7501 %	88.3289 %
Concentration per Run	0.0010 ppm	89.1332 %	97.1145 %	80.9075 %	86.2867 %	96.7064 %	88.3861 %
Concentration per Run	0.0011 ppm	89.2766 %	97.2272 %	81.0284 %	86.6555 %	96.7611 %	88.2136 %
Concentration per Run	0.0019 ppm	89.8796 %	97.9187 %	80.8864 %	87.4899 %	96.7828 %	88.3869 %
Recovery Percentage	26.481 %						
Concentration RSD	39.4 %	0.4 %	0.4 %	0.1 %	0.7 %	0.0 %	0.1 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: SIC Multi (B and Si contamination)
Analysis started at: 11/26/2025 8:39:41 AM
Comment LDR +/-10%
Rack Number 0
Vial Numbers 7

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	0.0602 ppm	-0.0022 ppm	0.1173 ppm	0.0005 ppm	-0.0033 ppm	-0.0213 ppm
Concentration per Run	-0.0002 ppm	0.0573 ppm	-0.0019 ppm	0.1183 ppm	0.0004 ppm	-0.0033 ppm	-0.0201 ppm
Concentration per Run	0.0008 ppm	0.0677 ppm	-0.0030 ppm	0.1163 ppm	0.0005 ppm	-0.0034 ppm	-0.0236 ppm
Concentration per Run	-0.0003 ppm	0.0557 ppm	-0.0017 ppm	0.1173 ppm	0.0006 ppm	-0.0033 ppm	-0.0201 ppm
Recovery Percentage	1.061 %	60.241 %	-44.158 %	390.952 %	4.880 %	-83.225 %	-21.285 %
Concentration RSD	814.9 %	10.8 %	32.8 %	0.9 %	15.0 %	0.9 %	9.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0041 ppm	20.8071 ppm	-0.0027 ppm	0.0240 ppm	0.0008 ppm	0.0013 ppm
Concentration per Run	0.0001 ppm	0.0036 ppm	20.9376 ppm	-0.0029 ppm	0.0239 ppm	0.0165 ppm	0.0030 ppm
Concentration per Run	0.0001 ppm	0.0043 ppm	20.6393 ppm	-0.0027 ppm	0.0232 ppm	-0.0039 ppm	0.0001 ppm
Concentration per Run	0.0000 ppm	0.0043 ppm	20.8443 ppm	-0.0027 ppm	0.0248 ppm	-0.0102 ppm	0.0007 ppm
Recovery Percentage	0.808 %	20.301 %	208,070.626 %	-27.455 %	47.920 %	0.032 %	25.042 %
Concentration RSD	161.8 %	10.6 %	0.7 %	4.9 %	3.3 %	1,745.7 %	120.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0183 ppm	21.1694 [SIC 80]	-0.0018 ppm	0.0944 ppm	0.0004 ppm	-0.0022 ppm	0.0059 ppm
Concentration per Run	-0.0139 ppm	21.2285 ppm	-0.0019 ppm	0.0915 ppm	0.0008 ppm	-0.0021 ppm	-0.0027 ppm
Concentration per Run	-0.0216 ppm	21.1885 ppm	-0.0015 ppm	0.0945 ppm	0.0003 ppm	-0.0023 ppm	0.0140 ppm
Concentration per Run	-0.0195 ppm	21.0912 ppm	-0.0021 ppm	0.0972 ppm	0.0000 ppm	-0.0023 ppm	0.0062 ppm
Recovery Percentage	-18.307 %	211,693.982 %	-3.630 %	4.719 %	1.456 %	-22.058 %	11.743 %
Concentration RSD	21.8 %	0.3 %	18.1 %	3.0 %	102.1 %	5.8 %	142.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0005 ppm	1.3999 ppm	0.0124 ppm	0.0000 ppm	20.2355 ppm	0.0039 ppm	10.2782 [SIC xx]
Concentration per Run	-0.0030 ppm	1.3323 ppm	0.0111 ppm	0.0000 ppm	20.1849 ppm	0.0049 ppm	10.2941 ppm
Concentration per Run	-0.0016 ppm	1.4039 ppm	0.0128 ppm	0.0001 ppm	20.2478 ppm	0.0024 ppm	10.2506 ppm
Concentration per Run	0.0030 ppm	1.4636 ppm	0.0133 ppm	0.0001 ppm	20.2739 ppm	0.0045 ppm	10.2899 ppm
Recovery Percentage	-5.348 %	279.989 %	24.812 %	0.321 %	202,355.117 %	19.599 %	102,782.269 %
Concentration RSD	587.5 %	4.7 %	9.3 %	205.1 %	0.2 %	33.5 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0013 ppm	103.4358 %	103.5376 %	103.7979 %	101.0165 %	101.4579 %	101.4975 %
Concentration per Run	0.0015 ppm	103.3486 %	102.8785 %	103.9874 %	100.9397 %	101.3816 %	101.5455 %
Concentration per Run	0.0012 ppm	103.6126 %	103.6413 %	103.9165 %	100.7890 %	101.5936 %	101.6175 %
Concentration per Run	0.0011 ppm	103.3463 %	104.0931 %	103.4897 %	101.3208 %	101.3986 %	101.3295 %
Recovery Percentage	25.868 %						
Concentration RSD	15.8 %	0.1 %	0.6 %	0.3 %	0.3 %	0.1 %	0.1 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: LDR Check
Analysis started at: 11/26/2025 8:41:51 AM
Comment LDR +/-10%
Rack Number 0
Vial Numbers 8

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0004 ppm	0.0204 ppm	5.7289 ppm	5.1052 [SIC 50]	9.8652 ppm	0.0002 ppm	0.0144 ppm
Concentration per Run	0.0007 ppm	0.0276 ppm	5.6890 ppm	5.0999 ppm	9.9107 ppm	0.0002 ppm	0.0158 ppm
Concentration per Run	0.0003 ppm	0.0274 ppm	5.7589 ppm	5.0595 ppm	9.8616 ppm	0.0002 ppm	0.0168 ppm
Concentration per Run	0.0001 ppm	0.0062 ppm	5.7388 ppm	5.1563 ppm	9.8233 ppm	0.0002 ppm	0.0106 ppm
Recovery Percentage			114.577 %	102.104 %	98.652 %		
Concentration RSD	84.7 %	60.3 %	0.6 %	1.0 %	0.4 %	10.9 %	23.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0005 ppm	-0.0049 ppm	0.0007 ppm	19.4727 ppm	0.0011 ppm	314.3654 ppm	4.8224 ppm
Concentration per Run	0.0005 ppm	-0.0052 ppm	0.0008 ppm	19.4743 ppm	0.0014 ppm	314.4761 ppm	4.8518 ppm
Concentration per Run	0.0005 ppm	-0.0049 ppm	0.0003 ppm	19.2642 ppm	0.0019 ppm	315.2760 ppm	4.8306 ppm
Concentration per Run	0.0004 ppm	-0.0047 ppm	0.0011 ppm	19.6796 ppm	0.0000 ppm	313.3443 ppm	4.7848 ppm
Recovery Percentage	0.000 %	0.000 %		97.363 %		104.788 %	
Concentration RSD	14.2 %	5.3 %	53.5 %	1.1 %	91.6 %	0.3 %	0.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0030 ppm	0.0011 ppm	5.2126 [SIC xx]	463.8103 ppm	10.2694 [SIC 100]	51.4278 ppm	0.0006 ppm
Concentration per Run	-0.0008 ppm	0.0011 ppm	5.2264 ppm	465.5426 ppm	10.3024 ppm	51.2330 ppm	0.0000 ppm
Concentration per Run	-0.0038 ppm	0.0011 ppm	5.1567 ppm	463.2057 ppm	10.1783 ppm	51.6023 ppm	-0.0016 ppm
Concentration per Run	-0.0045 ppm	0.0010 ppm	5.2547 ppm	462.6827 ppm	10.3276 ppm	51.4479 ppm	0.0034 ppm
Recovery Percentage		0.000 %	104.252 %	92.762 %	102.694 %	102.856 %	0.000 %
Concentration RSD	65.1 %	4.4 %	1.0 %	0.3 %	0.8 %	0.4 %	430.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0013 ppm	21.3949 [SIC 100]	0.0002 ppm	0.0005 ppm	0.0185 ppm	0.0009 ppm	-0.0038 ppm
Concentration per Run	0.0035 ppm	21.3687 ppm	-0.0009 ppm	0.0006 ppm	0.0208 ppm	0.0009 ppm	-0.0038 ppm
Concentration per Run	0.0017 ppm	21.1463 ppm	0.0011 ppm	0.0005 ppm	0.0176 ppm	0.0013 ppm	-0.0048 ppm
Concentration per Run	-0.0014 ppm	21.6698 ppm	0.0005 ppm	0.0005 ppm	0.0170 ppm	0.0006 ppm	-0.0030 ppm
Recovery Percentage	0.000 %	106.975 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	190.9 %	1.2 %	420.1 %	5.6 %	11.0 %	40.1 %	23.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	20.4049 [SIC 60]	91.6167 %	100.3531 %	87.8629 %	89.1525 %	97.5917 %	89.8211 %
Concentration per Run	20.4377 ppm	91.2673 %	100.2859 %	88.1108 %	88.8617 %	98.1644 %	89.9314 %
Concentration per Run	20.2021 ppm	92.1404 %	100.2673 %	87.2745 %	89.1748 %	97.1915 %	89.1778 %
Concentration per Run	20.5749 ppm	91.4423 %	100.5061 %	88.2035 %	89.4210 %	97.4191 %	90.3543 %
Recovery Percentage	102.025 %						
Concentration RSD	0.9 %	0.5 %	0.1 %	0.6 %	0.3 %	0.5 %	0.7 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: LLOQ 0.01ppm Se
Analysis started at: 11/26/2025 8:54:54 AM
Comment <Comment>
Rack Number 1
Vial Numbers 1

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0099 ppm	0.0228 ppm	0.0095 ppm	0.0115 ppm	0.0101 ppm	0.0101 ppm	0.0141 ppm
Concentration per Run	0.0102 ppm	0.0175 ppm	0.0104 ppm	0.0108 ppm	0.0101 ppm	0.0102 ppm	0.0161 ppm
Concentration per Run	0.0097 ppm	0.0290 ppm	0.0091 ppm	0.0102 ppm	0.0101 ppm	0.0101 ppm	0.0108 ppm
Concentration per Run	0.0098 ppm	0.0221 ppm	0.0090 ppm	0.0134 ppm	0.0101 ppm	0.0101 ppm	0.0153 ppm
Recovery Percentage	0.000 %	0.000 %	95.010 %	114.591 %	100.905 %	0.000 %	0.000 %
Concentration RSD	2.9 %	25.3 %	8.0 %	15.0 %	0.2 %	0.3 %	20.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0101 ppm	0.0104 ppm	0.0103 ppm	0.0107 ppm	0.0113 ppm	0.1447 ppm	0.0112 ppm
Concentration per Run	0.0101 ppm	0.0106 ppm	0.0105 ppm	0.0107 ppm	0.0113 ppm	0.1720 ppm	0.0122 ppm
Concentration per Run	0.0102 ppm	0.0102 ppm	0.0096 ppm	0.0107 ppm	0.0106 ppm	0.1485 ppm	0.0105 ppm
Concentration per Run	0.0101 ppm	0.0104 ppm	0.0108 ppm	0.0108 ppm	0.0122 ppm	0.1136 ppm	0.0109 ppm
Recovery Percentage	0.000 %	103.866 %	102.828 %	107.036 %	0.000 %	0.000 %	112.085 %
Concentration RSD	0.6 %	1.7 %	6.1 %	0.4 %	7.1 %	20.3 %	8.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0119 ppm	0.0105 ppm	0.0104 ppm	0.2178 ppm	0.0102 ppm	0.0097 ppm	0.0120 ppm
Concentration per Run	0.0133 ppm	0.0105 ppm	0.0102 ppm	0.2181 ppm	0.0102 ppm	0.0095 ppm	0.0138 ppm
Concentration per Run	0.0099 ppm	0.0105 ppm	0.0110 ppm	0.2139 ppm	0.0093 ppm	0.0095 ppm	0.0131 ppm
Concentration per Run	0.0124 ppm	0.0105 ppm	0.0099 ppm	0.2213 ppm	0.0111 ppm	0.0100 ppm	0.0090 ppm
Recovery Percentage	0.000 %	104.708 %	103.573 %	0.000 %	101.970 %	96.637 %	0.000 %
Concentration RSD	14.5 %	0.2 %	5.8 %	1.7 %	8.7 %	3.4 %	21.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0103 ppm	0.1104 ppm	0.0097 ppm	0.0101 ppm	0.0104 ppm	0.0110 ppm	0.0100 ppm
Concentration per Run	0.0079 ppm	0.1098 ppm	0.0100 ppm	0.0101 ppm	0.0106 ppm	0.0097 ppm	0.0101 ppm
Concentration per Run	0.0111 ppm	0.1100 ppm	0.0091 ppm	0.0101 ppm	0.0105 ppm	0.0120 ppm	0.0101 ppm
Concentration per Run	0.0119 ppm	0.1114 ppm	0.0099 ppm	0.0101 ppm	0.0102 ppm	0.0113 ppm	0.0099 ppm
Recovery Percentage	103.129 %	0.000 %	96.825 %	100.815 %	103.969 %	110.068 %	100.333 %
Concentration RSD	20.5 %	0.8 %	5.5 %	0.1 %	1.9 %	10.7 %	1.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0104 ppm	101.6118 %	101.7741 %	100.9369 %	101.3548 %	100.9185 %	100.7871 %
Concentration per Run	0.0106 ppm	102.1357 %	101.5051 %	100.8959 %	101.8542 %	101.1043 %	101.0643 %
Concentration per Run	0.0106 ppm	101.1160 %	101.4422 %	101.0467 %	101.0158 %	100.0478 %	101.0414 %
Concentration per Run	0.0102 ppm	101.5836 %	102.3750 %	100.8683 %	101.1945 %	101.6035 %	100.2556 %
Recovery Percentage	104.458 %						
Concentration RSD	1.9 %	0.5 %	0.5 %	0.1 %	0.4 %	0.8 %	0.5 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: LLOQ 0.05ppm Ca
Analysis started at: 11/26/2025 8:57:09 AM
Comment <Comment>
Rack Number 1
Vial Numbers 2

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0517 ppm	0.0567 ppm	0.0470 ppm	0.0511 ppm	0.0512 ppm	0.0511 ppm	0.0578 ppm
Concentration per Run	0.0514 ppm	0.0524 ppm	0.0440 ppm	0.0512 ppm	0.0511 ppm	0.0512 ppm	0.0543 ppm
Concentration per Run	0.0519 ppm	0.0536 ppm	0.0476 ppm	0.0512 ppm	0.0510 ppm	0.0510 ppm	0.0620 ppm
Concentration per Run	0.0518 ppm	0.0640 ppm	0.0495 ppm	0.0510 ppm	0.0515 ppm	0.0512 ppm	0.0571 ppm
Recovery Percentage	0.000 %	113.380 %	0.000 %	0.000 %	0.000 %	0.000 %	115.639 %
Concentration RSD	0.6 %	11.2 %	5.9 %	0.2 %	0.5 %	0.3 %	6.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0506 ppm	0.0527 ppm	0.0519 ppm	0.0533 ppm	0.0515 ppm	**0.5712 ppm**	0.0534 ppm
Concentration per Run	0.0506 ppm	0.0523 ppm	0.0512 ppm	0.0530 ppm	0.0516 ppm	0.5928 ppm	0.0519 ppm
Concentration per Run	0.0509 ppm	0.0529 ppm	0.0523 ppm	0.0537 ppm	0.0518 ppm	0.5741 ppm	0.0546 ppm
Concentration per Run	0.0505 ppm	0.0529 ppm	0.0523 ppm	0.0531 ppm	0.0512 ppm	0.5466 ppm	0.0536 ppm
Recovery Percentage	0.000 %	0.000 %	0.000 %	0.000 %	103.058 %	22.846 %	0.000 %
Concentration RSD	0.4 %	0.7 %	1.2 %	0.7 %	0.6 %	**4.1 %**	2.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0536 ppm	0.0519 ppm	0.0502 ppm	1.0565 ppm	0.0527 ppm	0.0524 ppm	0.0513 ppm
Concentration per Run	0.0510 ppm	0.0521 ppm	0.0505 ppm	1.0578 ppm	0.0531 ppm	0.0522 ppm	0.0484 ppm
Concentration per Run	0.0549 ppm	0.0515 ppm	0.0501 ppm	1.0491 ppm	0.0523 ppm	0.0524 ppm	0.0533 ppm
Concentration per Run	0.0548 ppm	0.0520 ppm	0.0501 ppm	1.0627 ppm	0.0526 ppm	0.0526 ppm	0.0521 ppm
Recovery Percentage	107.161 %	0.000 %	0.000 %	105.653 %	0.000 %	0.000 %	102.536 %
Concentration RSD	4.1 %	0.6 %	0.5 %	0.7 %	0.7 %	0.4 %	4.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0501 ppm	0.5465 ppm	0.0520 ppm	0.0508 ppm	0.0507 ppm	**0.0532 ppm**	0.0512 ppm
Concentration per Run	0.0503 ppm	0.5413 ppm	0.0520 ppm	0.0510 ppm	0.0506 ppm	0.0527 ppm	0.0509 ppm
Concentration per Run	0.0542 ppm	0.5475 ppm	0.0534 ppm	0.0503 ppm	0.0506 ppm	0.0539 ppm	0.0515 ppm
Concentration per Run	0.0458 ppm	0.5509 ppm	0.0506 ppm	0.0512 ppm	0.0510 ppm	0.0530 ppm	0.0511 ppm
Recovery Percentage	0.000 %	109.309 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	8.4 %	0.9 %	2.6 %	1.0 %	0.5 %	1.2 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0512 ppm	102.2493 %	102.6859 %	101.9527 %	101.1771 %	100.8031 %	100.6056 %
Concentration per Run	0.0509 ppm	102.1629 %	102.5615 %	102.0713 %	101.0088 %	100.8112 %	100.6052 %
Concentration per Run	0.0514 ppm	102.4759 %	103.1064 %	102.2355 %	101.4694 %	100.6622 %	101.1469 %
Concentration per Run	0.0513 ppm	102.1091 %	102.3897 %	101.5514 %	101.0532 %	100.9360 %	100.0647 %
Recovery Percentage	102.402 %						
Concentration RSD	0.5 %	0.2 %	0.4 %	0.4 %	0.3 %	0.1 %	0.5 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: IEC_LDR 700 Ca pass Cd-
Analysis started at: 11/26/2025 9:02:11 AM
Comment LDR +/-10%
Rack Number 1
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0006 ppm	-0.0041 ppm	-0.0022 ppm	0.0010 ppm	0.0008 ppm	0.0000 ppm	679.1986 ppm
Concentration per Run	-0.0004 ppm	-0.0010 ppm	-0.0026 ppm	0.0031 ppm	0.0007 ppm	0.0001 ppm	674.7304 ppm
Concentration per Run	-0.0008 ppm	-0.0083 ppm	-0.0033 ppm	0.0006 ppm	0.0008 ppm	0.0000 ppm	680.9138 ppm
Concentration per Run	-0.0006 ppm	-0.0029 ppm	-0.0005 ppm	-0.0006 ppm	0.0010 ppm	0.0000 ppm	681.9516 ppm
Recovery Percentage	-8.740 %		-43.021 %	3.472 %	8.434 %	0.994 %	
Concentration RSD	25.9 %	92.6 %	68.9 %	176.9 %	21.1 %	55.2 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0002 ppm	0.0002 ppm	0.0008 ppm	0.0047 ppm	0.0746 ppm	-0.0023 ppm
Concentration per Run	0.0001 ppm	0.0004 ppm	0.0002 ppm	0.0010 ppm	0.0047 ppm	0.0715 ppm	-0.0024 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	0.0002 ppm	0.0007 ppm	0.0036 ppm	0.0766 ppm	-0.0063 ppm
Concentration per Run	0.0002 ppm	0.0000 ppm	0.0004 ppm	0.0007 ppm	0.0057 ppm	0.0756 ppm	0.0018 ppm
Recovery Percentage	1.467 %	0.976 %	2.407 %	8.088 %		2.983 %	-45.428 %
Concentration RSD	155.7 %	111.6 %	47.6 %	20.6 %	22.3 %	3.6 %	178.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0034 ppm	0.0003 ppm	0.0001 ppm	0.0208 ppm	0.0008 ppm	-0.0004 ppm	-0.0002 ppm
Concentration per Run	-0.0025 ppm	0.0003 ppm	-0.0001 ppm	0.0207 ppm	0.0007 ppm	-0.0008 ppm	0.0004 ppm
Concentration per Run	-0.0040 ppm	0.0004 ppm	0.0000 ppm	0.0213 ppm	0.0011 ppm	-0.0015 ppm	0.0003 ppm
Concentration per Run	-0.0037 ppm	0.0002 ppm	0.0003 ppm	0.0204 ppm	0.0007 ppm	0.0011 ppm	-0.0014 ppm
Recovery Percentage		3.173 %	0.184 %	1.039 %	3.360 %	-4.020 %	-0.414 %
Concentration RSD	22.8 %	29.7 %	228.3 %	2.2 %	26.6 %	332.3 %	487.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0024 ppm	0.0033 ppm	-0.0001 ppm	-0.0003 ppm	0.0007 ppm	0.0009 ppm	-0.0002 ppm
Concentration per Run	0.0021 ppm	0.0003 ppm	0.0003 ppm	-0.0001 ppm	0.0010 ppm	0.0013 ppm	0.0000 ppm
Concentration per Run	0.0001 ppm	0.0030 ppm	-0.0003 ppm	-0.0003 ppm	-0.0003 ppm	0.0008 ppm	-0.0002 ppm
Concentration per Run	0.0052 ppm	0.0066 ppm	-0.0004 ppm	-0.0004 ppm	0.0012 ppm	0.0006 ppm	-0.0006 ppm
Recovery Percentage	24.483 %	0.661 %	-0.234 %	-2.981 %	6.552 %	4.453 %	-2.379 %
Concentration RSD	104.6 %	94.5 %	330.9 %	48.4 %	120.6 %	39.8 %	127.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0042 ppm	90.7775 %	96.9248 %	84.6376 %	90.3599 %	96.8385 %	90.2802 %
Concentration per Run	0.0042 ppm	91.1492 %	97.5663 %	84.9402 %	90.7577 %	96.6512 %	90.2837 %
Concentration per Run	0.0037 ppm	90.5367 %	96.8149 %	84.5040 %	90.2761 %	97.0480 %	90.2185 %
Concentration per Run	0.0045 ppm	90.6465 %	96.3931 %	84.4684 %	90.0459 %	96.8162 %	90.3385 %
Recovery Percentage	83.048 %						
Concentration RSD	10.4 %	0.4 %	0.6 %	0.3 %	0.4 %	0.2 %	0.1 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: CCV
Analysis started at: 11/26/2025 9:31:25 AM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5084 ppm	0.4921 ppm	0.4834 ppm	0.4991 ppm	0.4991 ppm	0.5117 ppm	0.5048 ppm
Concentration per Run	0.5100 ppm	0.4932 ppm	0.4831 ppm	0.5000 ppm	0.4970 ppm	0.5087 ppm	0.5026 ppm
Concentration per Run	0.5074 ppm	0.4904 ppm	0.4813 ppm	0.4977 ppm	0.5006 ppm	0.5126 ppm	0.5055 ppm
Concentration per Run	0.5078 ppm	0.4928 ppm	0.4857 ppm	0.4997 ppm	0.4997 ppm	0.5139 ppm	0.5064 ppm
Recovery Percentage	101.673 %	98.429 %	96.670 %	99.823 %	99.821 %	102.346 %	100.967 %
Concentration RSD	0.3 %	0.3 %	0.5 %	0.2 %	0.4 %	0.5 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5094 ppm	0.5181 ppm	0.5105 ppm	0.5206 ppm	0.5031 ppm	5.2225 ppm	0.5174 ppm
Concentration per Run	0.5127 ppm	0.5200 ppm	0.5145 ppm	0.5231 ppm	0.4997 ppm	5.2118 ppm	0.5146 ppm
Concentration per Run	0.5064 ppm	0.5170 ppm	0.5059 ppm	0.5186 ppm	0.5059 ppm	5.2270 ppm	0.5206 ppm
Concentration per Run	0.5092 ppm	0.5175 ppm	0.5112 ppm	0.5200 ppm	0.5038 ppm	5.2286 ppm	0.5170 ppm
Recovery Percentage	101.888 %	103.628 %	102.103 %	104.111 %	100.629 %	104.449 %	103.483 %
Concentration RSD	0.6 %	0.3 %	0.8 %	0.4 %	0.6 %	0.2 %	0.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5101 ppm	0.5143 ppm	0.4997 ppm	10.2159 ppm	0.5193 ppm	0.5108 ppm	0.5212 ppm
Concentration per Run	0.5098 ppm	0.5110 ppm	0.5030 ppm	10.1211 ppm	0.5208 ppm	0.5094 ppm	0.5211 ppm
Concentration per Run	0.5111 ppm	0.5140 ppm	0.4972 ppm	10.2338 ppm	0.5193 ppm	0.5118 ppm	0.5224 ppm
Concentration per Run	0.5094 ppm	0.5180 ppm	0.4990 ppm	10.2927 ppm	0.5178 ppm	0.5111 ppm	0.5200 ppm
Recovery Percentage	102.018 %	102.865 %	99.944 %	102.159 %	103.859 %	102.155 %	104.232 %
Concentration RSD	0.2 %	0.7 %	0.6 %	0.9 %	0.3 %	0.3 %	0.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4913 ppm	5.5048 ppm	0.5077 ppm	0.4953 ppm	0.5058 ppm	0.5171 ppm	0.5139 ppm
Concentration per Run	0.4924 ppm	5.5098 ppm	0.5085 ppm	0.4944 ppm	0.5059 ppm	0.5187 ppm	0.5167 ppm
Concentration per Run	0.4887 ppm	5.4864 ppm	0.5075 ppm	0.4964 ppm	0.5061 ppm	0.5155 ppm	0.5117 ppm
Concentration per Run	0.4928 ppm	5.5182 ppm	0.5070 ppm	0.4951 ppm	0.5054 ppm	0.5170 ppm	0.5132 ppm
Recovery Percentage	98.256 %	104.854 %	101.532 %	99.060 %	101.155 %	103.415 %	102.777 %
Concentration RSD	0.5 %	0.3 %	0.1 %	0.2 %	0.1 %	0.3 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5108 ppm	101.7538 %	102.6179 %	101.8464 %	99.6327 %	100.6305 %	100.0887 %
Concentration per Run	0.5142 ppm	101.8581 %	103.5944 %	101.3111 %	99.8875 %	100.7837 %	99.2611 %
Concentration per Run	0.5084 ppm	100.8959 %	101.8276 %	102.3506 %	98.5294 %	99.9868 %	100.4139 %
Concentration per Run	0.5097 ppm	102.5074 %	102.4318 %	101.8775 %	100.4812 %	101.1209 %	100.5912 %
Recovery Percentage	102.160 %						
Concentration RSD	0.6 %	0.8 %	0.9 %	0.5 %	1.0 %	0.6 %	0.7 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: CCB
Analysis started at: 11/26/2025 9:33:45 AM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0079 ppm	-0.0008 ppm	0.0017 ppm	-0.0001 ppm	0.0000 ppm	0.0009 ppm
Concentration per Run	0.0000 ppm	0.0078 ppm	0.0004 ppm	0.0023 ppm	-0.0001 ppm	0.0000 ppm	0.0012 ppm
Concentration per Run	-0.0001 ppm	0.0090 ppm	-0.0024 ppm	0.0002 ppm	-0.0001 ppm	0.0000 ppm	-0.0007 ppm
Concentration per Run	0.0002 ppm	0.0068 ppm	-0.0005 ppm	0.0027 ppm	-0.0001 ppm	0.0000 ppm	0.0021 ppm
Recovery Percentage	0.478 %	7.856 %	-16.951 %	5.758 %	-1.176 %	0.741 %	0.873 %
Concentration RSD	476.2 %	13.9 %	165.6 %	74.9 %	26.1 %	61.8 %	160.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0000 ppm	-0.0002 ppm	0.0001 ppm	-0.0001 ppm	0.0221 ppm	0.0006 ppm
Concentration per Run	0.0001 ppm	-0.0002 ppm	-0.0004 ppm	0.0003 ppm	0.0002 ppm	0.0095 ppm	0.0018 ppm
Concentration per Run	0.0000 ppm	0.0003 ppm	0.0001 ppm	0.0002 ppm	0.0017 ppm	0.0338 ppm	0.0010 ppm
Concentration per Run	0.0001 ppm	-0.0002 ppm	-0.0002 ppm	-0.0003 ppm	-0.0021 ppm	0.0229 ppm	-0.0009 ppm
Recovery Percentage	1.442 %	-0.175 %	-1.501 %	0.690 %	-0.143 %	0.884 %	12.416 %
Concentration RSD	78.3 %	745.1 %	150.1 %	481.4 %	2,728.5 %	55.1 %	224.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0015 ppm	-0.0001 ppm	0.0004 ppm	-0.0003 ppm	0.0002 ppm	-0.0013 ppm	-0.0010 ppm
Concentration per Run	-0.0023 ppm	-0.0001 ppm	0.0007 ppm	0.0031 ppm	0.0002 ppm	-0.0010 ppm	-0.0001 ppm
Concentration per Run	-0.0017 ppm	0.0000 ppm	0.0004 ppm	-0.0026 ppm	0.0001 ppm	-0.0011 ppm	-0.0012 ppm
Concentration per Run	-0.0006 ppm	-0.0002 ppm	0.0001 ppm	-0.0015 ppm	0.0002 ppm	-0.0017 ppm	-0.0018 ppm
Recovery Percentage	-1.540 %	-0.853 %	0.825 %	-0.016 %	0.740 %	-12.861 %	-2.001 %
Concentration RSD	56.7 %	133.0 %	78.2 %	958.3 %	31.9 %	29.2 %	86.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0011 ppm	0.0019 ppm	0.0005 ppm	0.0000 ppm	0.0002 ppm	0.0008 ppm	0.0000 ppm
Concentration per Run	-0.0011 ppm	0.0017 ppm	0.0005 ppm	-0.0001 ppm	0.0003 ppm	0.0012 ppm	0.0001 ppm
Concentration per Run	0.0005 ppm	0.0014 ppm	0.0013 ppm	0.0000 ppm	0.0003 ppm	0.0014 ppm	0.0000 ppm
Concentration per Run	0.0038 ppm	0.0026 ppm	-0.0003 ppm	0.0000 ppm	0.0001 ppm	-0.0003 ppm	-0.0002 ppm
Recovery Percentage	10.571 %	0.380 %	1.070 %	-0.391 %	2.391 %	3.771 %	-0.335 %
Concentration RSD	238.0 %	33.5 %	150.0 %	31.2 %	46.9 %	127.8 %	537.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0002 ppm	100.3950 %	101.0915 %	99.8301 %	100.5732 %	100.4036 %	99.6765 %
Concentration per Run	0.0000 ppm	100.1818 %	101.1314 %	99.9664 %	100.3989 %	100.4733 %	99.6975 %
Concentration per Run	-0.0004 ppm	100.7777 %	100.6582 %	99.8151 %	101.0419 %	100.6310 %	99.7177 %
Concentration per Run	-0.0002 ppm	100.2254 %	101.4850 %	99.7087 %	100.2788 %	100.1065 %	99.6142 %
Recovery Percentage	-3.666 %						
Concentration RSD	116.0 %	0.3 %	0.4 %	0.1 %	0.4 %	0.3 %	0.1 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2572772-02D2 WG2144640
Analysis started at: 11/26/2025 9:38:03 AM
Comment <Comment>
Rack Number 1
Vial Numbers 6

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0007 ppm	102.8797 ppm	0.0521 ppm	0.0035 ppm	0.3634 ppm	0.0054 ppm	8.2448 ppm
Concentration per Run	0.0004 ppm	102.6944 ppm	0.0521 ppm	0.0032 ppm	0.3652 ppm	0.0054 ppm	8.2291 ppm
Concentration per Run	0.0016 ppm	103.3097 ppm	0.0525 ppm	0.0031 ppm	0.3634 ppm	0.0054 ppm	8.2900 ppm
Concentration per Run	0.0003 ppm	102.6351 ppm	0.0516 ppm	0.0041 ppm	0.3615 ppm	0.0053 ppm	8.2153 ppm
Concentration RSD	95.0 %	0.4 %	0.9 %	16.5 %	0.5 %	1.0 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0010 ppm	0.0938 ppm	0.2086 ppm	0.1889 ppm	229.5677 ppm	3.5504 ppm	0.0616 ppm
Concentration per Run	0.0009 ppm	0.0941 ppm	0.2097 ppm	0.1901 ppm	229.4190 ppm	3.5688 ppm	0.0629 ppm
Concentration per Run	0.0011 ppm	0.0931 ppm	0.2070 ppm	0.1870 ppm	230.5491 ppm	3.5668 ppm	0.0605 ppm
Concentration per Run	0.0011 ppm	0.0940 ppm	0.2091 ppm	0.1896 ppm	228.7349 ppm	3.5155 ppm	0.0614 ppm
Concentration RSD	11.2 %	0.6 %	0.7 %	0.9 %	0.4 %	0.9 %	2.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	19.1512 ppm	1.5691 ppm	0.0035 ppm	0.5456 ppm	0.1127 ppm	0.0502 ppm	-0.0056 ppm
Concentration per Run	19.1698 ppm	1.5738 ppm	0.0033 ppm	0.5493 ppm	0.1134 ppm	0.0491 ppm	-0.0084 ppm
Concentration per Run	19.0988 ppm	1.5703 ppm	0.0035 ppm	0.5452 ppm	0.1124 ppm	0.0515 ppm	-0.0050 ppm
Concentration per Run	19.1850 ppm	1.5630 ppm	0.0038 ppm	0.5424 ppm	0.1124 ppm	0.0500 ppm	-0.0035 ppm
Concentration RSD	0.2 %	0.4 %	7.2 %	0.6 %	0.5 %	2.4 %	44.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0026 ppm	3.6059 ppm	0.0109 ppm	0.0369 ppm	2.8010 ppm	-0.0001 ppm	0.3390 ppm
Concentration per Run	-0.0002 ppm	3.6083 ppm	0.0114 ppm	0.0371 ppm	2.7945 ppm	-0.0011 ppm	0.3397 ppm
Concentration per Run	0.0055 ppm	3.5889 ppm	0.0102 ppm	0.0370 ppm	2.8015 ppm	-0.0014 ppm	0.3370 ppm
Concentration per Run	0.0025 ppm	3.6206 ppm	0.0109 ppm	0.0367 ppm	2.8070 ppm	0.0022 ppm	0.3402 ppm
Concentration RSD	108.7 %	0.4 %	5.2 %	0.6 %	0.2 %	1,535.3 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2426 ppm	106.3533 %	110.4337 %	100.5726 %	129.6574 %	136.7684 %	132.1148 %
Concentration per Run	0.2446 ppm	105.8938 %	110.6182 %	100.7385 %	129.3812 %	136.8259 %	132.1965 %
Concentration per Run	0.2406 ppm	107.3588 %	109.9120 %	100.4326 %	130.3393 %	136.5257 %	131.9981 %
Concentration per Run	0.2427 ppm	105.8075 %	110.7711 %	100.5467 %	129.2517 %	136.9536 %	132.1498 %
Concentration RSD	0.8 %	0.8 %	0.4 %	0.2 %	0.5 %	0.2 %	0.1 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: eL2573410-02D2 WG2144640
Analysis started at: 11/26/2025 9:40:17 AM
Comment <Comment>
Rack Number 1
Vial Numbers 7

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0013 ppm	73.0049 ppm	0.0519 ppm	0.0436 ppm	1.2480 ppm	0.0037 ppm	1,145.2148 [SIC 1000]
Concentration per Run	0.0013 ppm	72.9188 ppm	0.0504 ppm	0.0448 ppm	1.2479 ppm	0.0037 ppm	1,144.4944 ppm
Concentration per Run	0.0012 ppm	72.8654 ppm	0.0542 ppm	0.0436 ppm	1.2494 ppm	0.0037 ppm	1,143.6510 ppm
Concentration per Run	0.0015 ppm	73.2307 ppm	0.0511 ppm	0.0424 ppm	1.2468 ppm	0.0037 ppm	1,147.4991 ppm
Concentration RSD	11.9 %	0.3 %	3.8 %	2.7 %	0.1 %	0.1 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0032 ppm	0.0636 ppm	0.1554 ppm	0.2394 ppm	143.4364 ppm	7.7787 ppm	0.2571 ppm
Concentration per Run	0.0033 ppm	0.0635 ppm	0.1544 ppm	0.2381 ppm	143.9353 ppm	7.7965 ppm	0.2595 ppm
Concentration per Run	0.0031 ppm	0.0636 ppm	0.1561 ppm	0.2399 ppm	143.0987 ppm	7.7982 ppm	0.2592 ppm
Concentration per Run	0.0034 ppm	0.0638 ppm	0.1557 ppm	0.2400 ppm	143.2752 ppm	7.7414 ppm	0.2525 ppm
Concentration RSD	3.5 %	0.2 %	0.6 %	0.5 %	0.3 %	0.4 %	1.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	307.4031 ppm	3.9260 ppm	0.0077 ppm	2.4361 ppm	0.1689 ppm	1.1375 ppm	-0.0010 ppm
Concentration per Run	306.7545 ppm	3.9139 ppm	0.0079 ppm	2.4215 ppm	0.1682 ppm	1.1369 ppm	-0.0011 ppm
Concentration per Run	307.6172 ppm	3.9244 ppm	0.0075 ppm	2.4523 ppm	0.1685 ppm	1.1396 ppm	-0.0006 ppm
Concentration per Run	307.8375 ppm	3.9398 ppm	0.0077 ppm	2.4346 ppm	0.1699 ppm	1.1361 ppm	-0.0013 ppm
Concentration RSD	0.2 %	0.3 %	2.4 %	0.6 %	0.5 %	0.2 %	35.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0011 ppm	4.5538 ppm	0.0315 ppm	9.8410 ppm	0.8588 ppm	0.0000 ppm	0.2134 ppm
Concentration per Run	0.0048 ppm	4.5321 ppm	0.0304 ppm	9.8561 ppm	0.8573 ppm	0.0007 ppm	0.2123 ppm
Concentration per Run	0.0030 ppm	4.5735 ppm	0.0318 ppm	9.8378 ppm	0.8604 ppm	-0.0003 ppm	0.2137 ppm
Concentration per Run	-0.0046 ppm	4.5557 ppm	0.0321 ppm	9.8292 ppm	0.8588 ppm	-0.0003 ppm	0.2141 ppm
Concentration RSD	457.5 %	0.5 %	2.9 %	0.1 %	0.2 %	1,201.1 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0937 ppm	90.4289 %	100.8543 %	81.5968 %	103.2198 %	115.9843 %	103.6408 %
Concentration per Run	1.0874 ppm	90.6270 %	100.1605 %	81.3727 %	103.1420 %	115.0729 %	103.2637 %
Concentration per Run	1.0957 ppm	90.4186 %	100.3812 %	81.3333 %	103.6623 %	115.1439 %	103.5257 %
Concentration per Run	1.0980 ppm	90.2411 %	102.0212 %	82.0845 %	102.8550 %	117.7362 %	104.1331 %
Concentration RSD	0.5 %	0.2 %	1.0 %	0.5 %	0.4 %	1.3 %	0.4 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: eL2573410-04D2 WG2144640
Analysis started at: 11/26/2025 9:42:27 AM
Comment <Comment>
Rack Number 1
Vial Numbers 8

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	51.5849 ppm	0.0387 ppm	0.0490 ppm	0.4384 ppm	0.0029 ppm	1,410.8142 [SIC 1000]
Concentration per Run	-0.0005 ppm	51.6725 ppm	0.0415 ppm	0.0493 ppm	0.4378 ppm	0.0028 ppm	1,411.1820 ppm
Concentration per Run	-0.0002 ppm	51.4495 ppm	0.0371 ppm	0.0490 ppm	0.4368 ppm	0.0029 ppm	1,406.7205 ppm
Concentration per Run	0.0004 ppm	51.6326 ppm	0.0377 ppm	0.0487 ppm	0.4406 ppm	0.0029 ppm	1,414.5401 ppm
Concentration RSD	439.3 %	0.2 %	6.2 %	0.6 %	0.5 %	0.8 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0010 ppm	0.0594 ppm	0.1553 ppm	0.1738 ppm	127.9093 ppm	5.7033 ppm	0.2436 ppm
Concentration per Run	0.0009 ppm	0.0589 ppm	0.1549 ppm	0.1734 ppm	127.9050 ppm	5.7385 ppm	0.2635 ppm
Concentration per Run	0.0010 ppm	0.0600 ppm	0.1546 ppm	0.1737 ppm	127.5543 ppm	5.6828 ppm	0.2464 ppm
Concentration per Run	0.0010 ppm	0.0593 ppm	0.1562 ppm	0.1744 ppm	128.2686 ppm	5.6886 ppm	0.2210 ppm
Concentration RSD	7.6 %	0.9 %	0.5 %	0.3 %	0.3 %	0.5 %	8.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	246.0455 ppm	3.7044 ppm	0.0076 ppm	2.6307 ppm	0.1440 ppm	0.1632 ppm	-0.0024 ppm
Concentration per Run	245.7597 ppm	3.6989 ppm	0.0071 ppm	2.6348 ppm	0.1437 ppm	0.1618 ppm	0.0023 ppm
Concentration per Run	245.8167 ppm	3.6965 ppm	0.0081 ppm	2.6185 ppm	0.1437 ppm	0.1642 ppm	-0.0036 ppm
Concentration per Run	246.5599 ppm	3.7179 ppm	0.0076 ppm	2.6389 ppm	0.1444 ppm	0.1636 ppm	-0.0059 ppm
Concentration RSD	0.2 %	0.3 %	6.6 %	0.4 %	0.3 %	0.7 %	177.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0028 ppm	7.6366 ppm	0.0151 ppm	1.7090 ppm	0.5519 ppm	0.0012 ppm	0.2542 ppm
Concentration per Run	0.0023 ppm	7.6397 ppm	0.0151 ppm	1.7097 ppm	0.5520 ppm	0.0009 ppm	0.2544 ppm
Concentration per Run	-0.0007 ppm	7.6251 ppm	0.0142 ppm	1.7038 ppm	0.5508 ppm	0.0024 ppm	0.2543 ppm
Concentration per Run	0.0067 ppm	7.6450 ppm	0.0158 ppm	1.7135 ppm	0.5529 ppm	0.0004 ppm	0.2539 ppm
Concentration RSD	133.3 %	0.1 %	5.3 %	0.3 %	0.2 %	85.2 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3567 ppm	88.7486 %	100.0340 %	80.5388 %	101.3762 %	115.4800 %	102.7118 %
Concentration per Run	0.3563 ppm	89.0669 %	99.8599 %	80.6684 %	101.5809 %	115.1039 %	102.4767 %
Concentration per Run	0.3562 ppm	89.0936 %	100.9281 %	80.2408 %	102.0278 %	116.2942 %	102.3078 %
Concentration per Run	0.3576 ppm	88.0852 %	99.3140 %	80.7072 %	100.5200 %	115.0418 %	103.3508 %
Concentration RSD	0.2 %	0.6 %	0.8 %	0.3 %	0.8 %	0.6 %	0.5 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: eL2573410-07D2 WG2144640
Analysis started at: 11/26/2025 9:44:36 AM
Comment <Comment>
Rack Number 1
Vial Numbers 9

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0010 ppm	53.1329 ppm	0.0661 ppm	0.0612 ppm	0.8074 ppm	0.0039 ppm	2,034.0228 [SIC 1000]
Concentration per Run	0.0018 ppm	53.1242 ppm	0.0672 ppm	0.0625 ppm	0.8075 ppm	0.0039 ppm	2,033.4202 ppm
Concentration per Run	0.0001 ppm	52.9947 ppm	0.0662 ppm	0.0621 ppm	0.8025 ppm	0.0039 ppm	2,033.7731 ppm
Concentration per Run	0.0010 ppm	53.2797 ppm	0.0649 ppm	0.0589 ppm	0.8124 ppm	0.0039 ppm	2,034.8751 ppm
Concentration RSD	88.9 %	0.3 %	1.7 %	3.3 %	0.6 %	0.9 %	0.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0023 ppm	0.0557 ppm	0.4436 ppm	0.3598 ppm	145.8434 ppm	6.2911 ppm	0.3272 ppm
Concentration per Run	0.0022 ppm	0.0564 ppm	0.4451 ppm	0.3615 ppm	145.6011 ppm	6.2940 ppm	0.3407 ppm
Concentration per Run	0.0024 ppm	0.0557 ppm	0.4435 ppm	0.3589 ppm	145.1192 ppm	6.2365 ppm	0.3183 ppm
Concentration per Run	0.0023 ppm	0.0551 ppm	0.4423 ppm	0.3590 ppm	146.8098 ppm	6.3428 ppm	0.3228 ppm
Concentration RSD	4.7 %	1.2 %	0.3 %	0.4 %	0.6 %	0.8 %	3.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	256.7827 ppm	2.6256 ppm	0.0093 ppm	2.4153 ppm	0.1575 ppm	2.2559 ppm	-0.0025 ppm
Concentration per Run	256.9542 ppm	2.6229 ppm	0.0096 ppm	2.4055 ppm	0.1594 ppm	2.2586 ppm	-0.0074 ppm
Concentration per Run	256.6610 ppm	2.6177 ppm	0.0087 ppm	2.4123 ppm	0.1569 ppm	2.2555 ppm	-0.0015 ppm
Concentration per Run	256.7329 ppm	2.6362 ppm	0.0095 ppm	2.4281 ppm	0.1564 ppm	2.2535 ppm	0.0013 ppm
Concentration RSD	0.1 %	0.4 %	5.3 %	0.5 %	1.0 %	0.1 %	175.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0014 ppm	4.9741 ppm	0.3187 ppm	2.4371 ppm	0.4993 ppm	0.0031 ppm	0.7914 ppm
Concentration per Run	0.0041 ppm	5.0048 ppm	0.3207 ppm	2.4380 ppm	0.5013 ppm	0.0032 ppm	0.7966 ppm
Concentration per Run	0.0010 ppm	4.9593 ppm	0.3162 ppm	2.4211 ppm	0.4978 ppm	0.0032 ppm	0.7879 ppm
Concentration per Run	-0.0009 ppm	4.9584 ppm	0.3191 ppm	2.4523 ppm	0.4988 ppm	0.0028 ppm	0.7899 ppm
Concentration RSD	180.0 %	0.5 %	0.7 %	0.6 %	0.4 %	6.2 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0105 ppm	86.9590 %	99.3921 %	77.8310 %	97.2164 %	112.1255 %	97.7326 %
Concentration per Run	1.0177 ppm	86.7113 %	99.6102 %	78.0290 %	97.1717 %	112.4360 %	97.9803 %
Concentration per Run	1.0092 ppm	86.9406 %	99.4559 %	78.0007 %	96.9045 %	111.7068 %	98.0784 %
Concentration per Run	1.0045 ppm	87.2251 %	99.1101 %	77.4632 %	97.5729 %	112.2339 %	97.1391 %
Concentration RSD	0.7 %	0.3 %	0.3 %	0.4 %	0.3 %	0.3 %	0.5 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2573410-09D2 WG2144640
Analysis started at: 11/26/2025 9:46:45 AM
Comment <Comment>
Rack Number 1
Vial Numbers 10

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0005 ppm	35.1862 ppm	0.0289 ppm	0.0287 ppm	0.3027 ppm	0.0019 ppm	727.0851 [SIC 1000]
Concentration per Run	0.0008 ppm	35.1810 ppm	0.0273 ppm	0.0292 ppm	0.3015 ppm	0.0018 ppm	727.5073 ppm
Concentration per Run	0.0003 ppm	35.0988 ppm	0.0290 ppm	0.0279 ppm	0.3037 ppm	0.0019 ppm	724.8022 ppm
Concentration per Run	0.0003 ppm	35.2789 ppm	0.0304 ppm	0.0289 ppm	0.3030 ppm	0.0019 ppm	728.9459 ppm
Concentration RSD	65.4 %	0.3 %	5.4 %	2.4 %	0.4 %	1.1 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0006 ppm	0.0342 ppm	0.0947 ppm	0.1062 ppm	82.1466 ppm	3.9641 ppm	0.1306 ppm
Concentration per Run	0.0005 ppm	0.0346 ppm	0.0957 ppm	0.1061 ppm	82.0550 ppm	3.9808 ppm	0.1320 ppm
Concentration per Run	0.0005 ppm	0.0337 ppm	0.0945 ppm	0.1062 ppm	82.1586 ppm	3.9583 ppm	0.1237 ppm
Concentration per Run	0.0007 ppm	0.0342 ppm	0.0940 ppm	0.1064 ppm	82.2261 ppm	3.9532 ppm	0.1363 ppm
Concentration RSD	15.3 %	1.3 %	0.9 %	0.2 %	0.1 %	0.4 %	4.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	155.8678 ppm	3.2743 ppm	0.0030 ppm	1.2756 ppm	0.0849 ppm	0.1451 ppm	-0.0020 ppm
Concentration per Run	155.8455 ppm	3.2695 ppm	0.0030 ppm	1.2764 ppm	0.0860 ppm	0.1449 ppm	0.0022 ppm
Concentration per Run	155.8376 ppm	3.2705 ppm	0.0025 ppm	1.2706 ppm	0.0840 ppm	0.1445 ppm	-0.0055 ppm
Concentration per Run	155.9203 ppm	3.2829 ppm	0.0036 ppm	1.2798 ppm	0.0848 ppm	0.1460 ppm	-0.0028 ppm
Concentration RSD	0.0 %	0.2 %	18.7 %	0.4 %	1.1 %	0.5 %	192.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0006 ppm	5.8277 ppm	0.0075 ppm	0.8503 ppm	0.3594 ppm	0.0003 ppm	0.1621 ppm
Concentration per Run	0.0052 ppm	5.8346 ppm	0.0052 ppm	0.8488 ppm	0.3597 ppm	-0.0006 ppm	0.1619 ppm
Concentration per Run	-0.0029 ppm	5.8130 ppm	0.0088 ppm	0.8504 ppm	0.3602 ppm	0.0018 ppm	0.1618 ppm
Concentration per Run	-0.0005 ppm	5.8354 ppm	0.0087 ppm	0.8518 ppm	0.3585 ppm	-0.0002 ppm	0.1627 ppm
Concentration RSD	676.3 %	0.2 %	27.0 %	0.2 %	0.2 %	373.7 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2055 ppm	92.1402 %	100.4565 %	84.7540 %	99.8352 %	110.1821 %	101.0298 %
Concentration per Run	0.2051 ppm	91.9695 %	100.5063 %	84.5103 %	99.1525 %	110.4611 %	100.6701 %
Concentration per Run	0.2056 ppm	92.3300 %	100.4064 %	84.8815 %	99.8809 %	109.4860 %	101.3515 %
Concentration per Run	0.2058 ppm	92.1212 %	100.4569 %	84.8702 %	100.4723 %	110.5992 %	101.0677 %
Concentration RSD	0.2 %	0.2 %	0.0 %	0.2 %	0.7 %	0.6 %	0.3 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: eL2573410-41D2 WG2144640
Analysis started at: 11/26/2025 9:48:54 AM
Comment <Comment>
Rack Number 1
Vial Numbers 11

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	53.9451 ppm	0.0449 ppm	0.0502 ppm	0.6833 ppm	0.0030 ppm	1,310.6724 [SIC 1000]
Concentration per Run	-0.0003 ppm	53.8306 ppm	0.0467 ppm	0.0510 ppm	0.6831 ppm	0.0030 ppm	1,309.4662 ppm
Concentration per Run	0.0000 ppm	53.8402 ppm	0.0458 ppm	0.0496 ppm	0.6803 ppm	0.0029 ppm	1,306.9195 ppm
Concentration per Run	0.0001 ppm	54.1645 ppm	0.0423 ppm	0.0499 ppm	0.6864 ppm	0.0030 ppm	1,315.6316 ppm
Concentration RSD	213.3 %	0.4 %	5.2 %	1.5 %	0.5 %	2.0 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0012 ppm	0.0553 ppm	0.1462 ppm	0.1852 ppm	122.4828 ppm	6.4112 ppm	0.2772 ppm
Concentration per Run	0.0012 ppm	0.0551 ppm	0.1456 ppm	0.1851 ppm	122.6034 ppm	6.4247 ppm	0.2982 ppm
Concentration per Run	0.0012 ppm	0.0553 ppm	0.1472 ppm	0.1857 ppm	121.9244 ppm	6.3959 ppm	0.2587 ppm
Concentration per Run	0.0012 ppm	0.0554 ppm	0.1458 ppm	0.1848 ppm	122.9205 ppm	6.4129 ppm	0.2746 ppm
Concentration RSD	2.9 %	0.3 %	0.6 %	0.3 %	0.4 %	0.2 %	7.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	366.6960 ppm	3.6999 ppm	0.0085 ppm	1.5248 ppm	0.1434 ppm	0.3676 ppm	-0.0020 ppm
Concentration per Run	365.2543 ppm	3.6960 ppm	0.0083 ppm	1.5179 ppm	0.1421 ppm	0.3673 ppm	-0.0031 ppm
Concentration per Run	367.3996 ppm	3.6925 ppm	0.0086 ppm	1.5250 ppm	0.1443 ppm	0.3684 ppm	-0.0022 ppm
Concentration per Run	367.4343 ppm	3.7113 ppm	0.0084 ppm	1.5316 ppm	0.1438 ppm	0.3671 ppm	-0.0007 ppm
Concentration RSD	0.3 %	0.3 %	1.8 %	0.4 %	0.8 %	0.2 %	60.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0021 ppm	3.6749 ppm	0.0148 ppm	1.5127 ppm	0.5104 ppm	0.0021 ppm	0.2292 ppm
Concentration per Run	0.0047 ppm	3.6690 ppm	0.0158 ppm	1.5140 ppm	0.5069 ppm	0.0020 ppm	0.2298 ppm
Concentration per Run	0.0000 ppm	3.6961 ppm	0.0130 ppm	1.5080 ppm	0.5124 ppm	0.0024 ppm	0.2300 ppm
Concentration per Run	0.0018 ppm	3.6596 ppm	0.0155 ppm	1.5162 ppm	0.5119 ppm	0.0017 ppm	0.2277 ppm
Concentration RSD	111.4 %	0.5 %	10.6 %	0.3 %	0.6 %	17.2 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3970 ppm	88.7646 %	98.9604 %	79.6876 %	99.2744 %	111.7612 %	99.9829 %
Concentration per Run	0.3965 ppm	88.6952 %	99.1918 %	79.6785 %	99.5691 %	112.0667 %	99.7879 %
Concentration per Run	0.3971 ppm	88.7964 %	99.4108 %	79.7299 %	99.3415 %	112.0060 %	100.3205 %
Concentration per Run	0.3975 ppm	88.8023 %	98.2787 %	79.6546 %	98.9126 %	111.2108 %	99.8404 %
Concentration RSD	0.1 %	0.1 %	0.6 %	0.0 %	0.3 %	0.4 %	0.3 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2573410-47D2 WG2144640
Analysis started at: 11/26/2025 9:51:04 AM
Comment <Comment>
Rack Number 1
Vial Numbers 12

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0015 ppm	81.1751 ppm	0.0558 ppm	0.0432 ppm	0.7815 ppm	0.0039 ppm	660.0887 ppm
Concentration per Run	0.0011 ppm	80.7766 ppm	0.0575 ppm	0.0444 ppm	0.7785 ppm	0.0039 ppm	657.6163 ppm
Concentration per Run	0.0015 ppm	81.6129 ppm	0.0546 ppm	0.0428 ppm	0.7855 ppm	0.0040 ppm	664.0015 ppm
Concentration per Run	0.0019 ppm	81.1358 ppm	0.0552 ppm	0.0423 ppm	0.7805 ppm	0.0039 ppm	658.6483 ppm
Concentration RSD	28.0 %	0.5 %	2.8 %	2.5 %	0.5 %	1.1 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0021 ppm	0.0692 ppm	0.1501 ppm	0.2267 ppm	156.9260 ppm	7.1583 ppm	0.2646 ppm
Concentration per Run	0.0021 ppm	0.0684 ppm	0.1514 ppm	0.2273 ppm	156.3026 ppm	7.1558 ppm	0.2516 ppm
Concentration per Run	0.0021 ppm	0.0695 ppm	0.1499 ppm	0.2267 ppm	157.7399 ppm	7.1679 ppm	0.2770 ppm
Concentration per Run	0.0022 ppm	0.0696 ppm	0.1490 ppm	0.2261 ppm	156.7354 ppm	7.1511 ppm	0.2653 ppm
Concentration RSD	2.8 %	1.0 %	0.8 %	0.3 %	0.5 %	0.1 %	4.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	235.5859 ppm	5.2954 ppm	0.0077 ppm	2.2122 ppm	0.1723 ppm	0.4802 ppm	-0.0055 ppm
Concentration per Run	234.5111 ppm	5.2629 ppm	0.0081 ppm	2.1956 ppm	0.1708 ppm	0.4803 ppm	-0.0056 ppm
Concentration per Run	235.7310 ppm	5.3336 ppm	0.0069 ppm	2.2352 ppm	0.1733 ppm	0.4786 ppm	-0.0034 ppm
Concentration per Run	236.5157 ppm	5.2898 ppm	0.0082 ppm	2.2059 ppm	0.1728 ppm	0.4816 ppm	-0.0076 ppm
Concentration RSD	0.4 %	0.7 %	9.6 %	0.9 %	0.8 %	0.3 %	38.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0011 ppm	4.6872 ppm	0.0371 ppm	0.7583 ppm	0.7218 ppm	0.0006 ppm	0.2067 ppm
Concentration per Run	0.0027 ppm	4.6793 ppm	0.0376 ppm	0.7550 ppm	0.7218 ppm	-0.0001 ppm	0.2065 ppm
Concentration per Run	0.0010 ppm	4.6962 ppm	0.0362 ppm	0.7636 ppm	0.7211 ppm	0.0025 ppm	0.2070 ppm
Concentration per Run	-0.0005 ppm	4.6861 ppm	0.0374 ppm	0.7563 ppm	0.7224 ppm	-0.0006 ppm	0.2067 ppm
Concentration RSD	147.2 %	0.2 %	2.1 %	0.6 %	0.1 %	273.7 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.7428 ppm	92.9410 %	102.3894 %	84.9539 %	104.9974 %	117.5455 %	106.6471 %
Concentration per Run	0.7427 ppm	92.9692 %	102.7336 %	84.5034 %	105.1889 %	117.7168 %	105.8562 %
Concentration per Run	0.7431 ppm	93.1662 %	101.5166 %	85.3969 %	105.0483 %	116.9425 %	107.1953 %
Concentration per Run	0.7427 ppm	92.6878 %	102.9181 %	84.9613 %	104.7548 %	117.9772 %	106.8897 %
Concentration RSD	0.0 %	0.3 %	0.7 %	0.5 %	0.2 %	0.5 %	0.7 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2572560-01D2 WG2144640
Analysis started at: 11/26/2025 9:53:13 AM
Comment <Comment>
Rack Number 1
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0016 ppm	121.0264 ppm	0.0627 ppm	0.0518 ppm	1.0644 ppm	0.0060 ppm	674.4485 ppm
Concentration per Run	0.0025 ppm	121.2812 ppm	0.0607 ppm	0.0514 ppm	1.0690 ppm	0.0061 ppm	676.1991 ppm
Concentration per Run	0.0015 ppm	120.8590 ppm	0.0645 ppm	0.0515 ppm	1.0606 ppm	0.0060 ppm	673.3936 ppm
Concentration per Run	0.0008 ppm	120.9390 ppm	0.0629 ppm	0.0527 ppm	1.0636 ppm	0.0060 ppm	673.7529 ppm
Concentration RSD	54.2 %	0.2 %	3.1 %	1.4 %	0.4 %	1.0 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0026 ppm	0.1086 ppm	0.1779 ppm	0.2473 ppm	228.3062 ppm	13.8255 ppm	0.2816 ppm
Concentration per Run	0.0028 ppm	0.1070 ppm	0.1759 ppm	0.2463 ppm	229.5934 ppm	13.8533 ppm	0.2877 ppm
Concentration per Run	0.0023 ppm	0.1093 ppm	0.1787 ppm	0.2468 ppm	227.6700 ppm	13.8023 ppm	0.2840 ppm
Concentration per Run	0.0026 ppm	0.1094 ppm	0.1792 ppm	0.2488 ppm	227.6553 ppm	13.8208 ppm	0.2729 ppm
Concentration RSD	8.6 %	1.2 %	1.0 %	0.5 %	0.5 %	0.2 %	2.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	220.0720 ppm	5.5375 ppm	0.0047 ppm	1.4134 ppm	0.2436 ppm	0.1377 ppm	-0.0040 ppm
Concentration per Run	219.4962 ppm	5.5619 ppm	0.0040 ppm	1.4173 ppm	0.2423 ppm	0.1390 ppm	-0.0064 ppm
Concentration per Run	220.6359 ppm	5.5189 ppm	0.0051 ppm	1.4168 ppm	0.2426 ppm	0.1380 ppm	-0.0028 ppm
Concentration per Run	220.0839 ppm	5.5318 ppm	0.0049 ppm	1.4060 ppm	0.2458 ppm	0.1361 ppm	-0.0029 ppm
Concentration RSD	0.3 %	0.4 %	13.5 %	0.5 %	0.8 %	1.1 %	51.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0011 ppm	3.5832 ppm	0.0089 ppm	1.0072 ppm	1.5082 ppm	-0.0011 ppm	0.2431 ppm
Concentration per Run	-0.0019 ppm	3.5581 ppm	0.0086 ppm	1.0114 ppm	1.5033 ppm	-0.0019 ppm	0.2407 ppm
Concentration per Run	-0.0016 ppm	3.5811 ppm	0.0083 ppm	1.0058 ppm	1.5095 ppm	0.0000 ppm	0.2431 ppm
Concentration per Run	0.0001 ppm	3.6105 ppm	0.0098 ppm	1.0045 ppm	1.5118 ppm	-0.0013 ppm	0.2455 ppm
Concentration RSD	93.1 %	0.7 %	8.9 %	0.4 %	0.3 %	88.6 %	1.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.8072 ppm	94.4213 %	103.0306 %	85.0191 %	110.5181 %	123.8550 %	111.7509 %
Concentration per Run	0.7983 ppm	95.1114 %	102.3986 %	84.6932 %	110.8708 %	123.6223 %	110.9486 %
Concentration per Run	0.8081 ppm	93.9500 %	103.8924 %	85.0226 %	109.8614 %	124.6440 %	111.7600 %
Concentration per Run	0.8152 ppm	94.2024 %	102.8008 %	85.3416 %	110.8221 %	123.2986 %	112.5443 %
Concentration RSD	1.0 %	0.6 %	0.8 %	0.4 %	0.5 %	0.6 %	0.7 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2572560-02D2 WG2144640
Analysis started at: 11/26/2025 9:55:22 AM
Comment <Comment>
Rack Number 1
Vial Numbers 5

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0016 ppm	111.6736 ppm	0.0599 ppm	0.0622 ppm	1.0866 ppm	0.0054 ppm	726.3040 [SIC 1000]
Concentration per Run	0.0013 ppm	111.6723 ppm	0.0615 ppm	0.0619 ppm	1.0853 ppm	0.0055 ppm	726.2589 ppm
Concentration per Run	0.0014 ppm	111.7043 ppm	0.0594 ppm	0.0641 ppm	1.0865 ppm	0.0054 ppm	728.4954 ppm
Concentration per Run	0.0022 ppm	111.6443 ppm	0.0588 ppm	0.0607 ppm	1.0881 ppm	0.0054 ppm	724.1577 ppm
Concentration RSD	32.5 %	0.0 %	2.4 %	2.8 %	0.1 %	0.5 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0033 ppm	0.1137 ppm	0.1682 ppm	0.2371 ppm	214.2411 ppm	16.2824 ppm	0.2710 ppm
Concentration per Run	0.0031 ppm	0.1133 ppm	0.1683 ppm	0.2367 ppm	214.7601 ppm	16.3376 ppm	0.2760 ppm
Concentration per Run	0.0033 ppm	0.1148 ppm	0.1697 ppm	0.2383 ppm	214.1316 ppm	16.2687 ppm	0.2655 ppm
Concentration per Run	0.0036 ppm	0.1129 ppm	0.1666 ppm	0.2364 ppm	213.8315 ppm	16.2409 ppm	0.2714 ppm
Concentration RSD	6.5 %	0.9 %	0.9 %	0.4 %	0.2 %	0.3 %	1.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	260.4147 ppm	6.3266 ppm	0.0050 ppm	1.6716 ppm	0.2486 ppm	0.1381 ppm	-0.0047 ppm
Concentration per Run	260.1836 ppm	6.3229 ppm	0.0052 ppm	1.6703 ppm	0.2484 ppm	0.1368 ppm	-0.0045 ppm
Concentration per Run	260.3616 ppm	6.3335 ppm	0.0052 ppm	1.6765 ppm	0.2499 ppm	0.1393 ppm	-0.0033 ppm
Concentration per Run	260.6989 ppm	6.3234 ppm	0.0047 ppm	1.6679 ppm	0.2475 ppm	0.1381 ppm	-0.0064 ppm
Concentration RSD	0.1 %	0.1 %	6.0 %	0.3 %	0.5 %	0.9 %	32.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0025 ppm	12.3924 ppm	0.0083 ppm	1.1638 ppm	1.8126 ppm	-0.0006 ppm	0.2286 ppm
Concentration per Run	-0.0025 ppm	12.3916 ppm	0.0099 ppm	1.1630 ppm	1.8093 ppm	-0.0007 ppm	0.2286 ppm
Concentration per Run	-0.0025 ppm	12.4170 ppm	0.0064 ppm	1.1626 ppm	1.8132 ppm	-0.0005 ppm	0.2292 ppm
Concentration per Run	-0.0026 ppm	12.3686 ppm	0.0086 ppm	1.1659 ppm	1.8152 ppm	-0.0007 ppm	0.2279 ppm
Concentration RSD	2.8 %	0.2 %	20.8 %	0.2 %	0.2 %	14.7 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.8746 ppm	93.5308 %	101.8787 %	83.9557 %	110.8919 %	123.3873 %	111.7641 %
Concentration per Run	0.8738 ppm	93.6736 %	102.2134 %	84.0692 %	110.8833 %	124.1247 %	112.1878 %
Concentration per Run	0.8821 ppm	93.3709 %	100.7647 %	84.1690 %	110.8491 %	122.1758 %	112.0732 %
Concentration per Run	0.8678 ppm	93.5477 %	102.6581 %	83.6290 %	110.9432 %	123.8614 %	111.0312 %
Concentration RSD	0.8 %	0.2 %	1.0 %	0.3 %	0.0 %	0.9 %	0.6 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: CCV
Analysis started at: 11/26/2025 9:57:46 AM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5074 ppm	0.4904 ppm	0.4838 ppm	0.5039 ppm	0.5011 ppm	0.5109 ppm	0.5140 ppm
Concentration per Run	0.5079 ppm	0.4884 ppm	0.4836 ppm	0.5029 ppm	0.4985 ppm	0.5081 ppm	0.5131 ppm
Concentration per Run	0.5094 ppm	0.4827 ppm	0.4828 ppm	0.5076 ppm	0.5017 ppm	0.5128 ppm	0.5166 ppm
Concentration per Run	0.5049 ppm	0.5000 ppm	0.4851 ppm	0.5012 ppm	0.5032 ppm	0.5118 ppm	0.5123 ppm
Recovery Percentage	101.471 %	98.074 %	96.769 %	100.784 %	100.228 %	102.177 %	102.803 %
Concentration RSD	0.5 %	1.8 %	0.2 %	0.7 %	0.5 %	0.5 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5137 ppm	0.5207 ppm	0.5134 ppm	0.5231 ppm	0.5112 ppm	5.2470 ppm	0.5062 ppm
Concentration per Run	0.5120 ppm	0.5204 ppm	0.5100 ppm	0.5230 ppm	0.5085 ppm	5.2530 ppm	0.5016 ppm
Concentration per Run	0.5172 ppm	0.5215 ppm	0.5176 ppm	0.5261 ppm	0.5150 ppm	5.2494 ppm	0.5087 ppm
Concentration per Run	0.5118 ppm	0.5203 ppm	0.5126 ppm	0.5202 ppm	0.5102 ppm	5.2385 ppm	0.5082 ppm
Recovery Percentage	102.735 %	104.149 %	102.683 %	104.616 %	102.250 %	104.940 %	101.231 %
Concentration RSD	0.6 %	0.1 %	0.8 %	0.6 %	0.7 %	0.1 %	0.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5177 ppm	0.5138 ppm	0.5014 ppm	10.2758 ppm	0.5237 ppm	0.5090 ppm	0.5187 ppm
Concentration per Run	0.5211 ppm	0.5116 ppm	0.5019 ppm	10.2885 ppm	0.5247 ppm	0.5091 ppm	0.5209 ppm
Concentration per Run	0.5164 ppm	0.5169 ppm	0.5024 ppm	10.3048 ppm	0.5257 ppm	0.5069 ppm	0.5234 ppm
Concentration per Run	0.5155 ppm	0.5131 ppm	0.4999 ppm	10.2341 ppm	0.5208 ppm	0.5110 ppm	0.5116 ppm
Recovery Percentage	103.537 %	102.770 %	100.283 %	102.758 %	104.747 %	101.798 %	103.731 %
Concentration RSD	0.6 %	0.5 %	0.3 %	0.4 %	0.5 %	0.4 %	1.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4953 ppm	5.4941 ppm	0.5078 ppm	0.4957 ppm	0.5082 ppm	0.5203 ppm	0.5155 ppm
Concentration per Run	0.4913 ppm	5.4923 ppm	0.5082 ppm	0.4930 ppm	0.5086 ppm	0.5223 ppm	0.5161 ppm
Concentration per Run	0.4932 ppm	5.5143 ppm	0.5121 ppm	0.4968 ppm	0.5087 ppm	0.5160 ppm	0.5176 ppm
Concentration per Run	0.5013 ppm	5.4757 ppm	0.5030 ppm	0.4973 ppm	0.5073 ppm	0.5225 ppm	0.5128 ppm
Recovery Percentage	99.053 %	104.649 %	101.558 %	99.138 %	101.633 %	104.054 %	103.103 %
Concentration RSD	1.1 %	0.4 %	0.9 %	0.5 %	0.2 %	0.7 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5173 ppm	101.7147 %	102.9340 %	101.8590 %	100.0556 %	100.9146 %	100.2299 %
Concentration per Run	0.5155 ppm	102.2110 %	104.1748 %	101.6954 %	100.5897 %	101.5610 %	100.0115 %
Concentration per Run	0.5200 ppm	101.5798 %	102.3706 %	101.7426 %	100.1660 %	100.7658 %	99.7658 %
Concentration per Run	0.5166 ppm	101.3533 %	102.2564 %	102.1389 %	99.4109 %	100.4172 %	100.9125 %
Recovery Percentage	103.469 %						
Concentration RSD	0.5 %	0.4 %	1.0 %	0.2 %	0.6 %	0.6 %	0.6 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: CCB
Analysis started at: 11/26/2025 9:59:55 AM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0104 ppm	-0.0008 ppm	0.0015 ppm	-0.0002 ppm	0.0000 ppm	0.0058 ppm
Concentration per Run	-0.0001 ppm	0.0180 ppm	0.0002 ppm	0.0025 ppm	-0.0002 ppm	0.0000 ppm	0.0048 ppm
Concentration per Run	0.0000 ppm	0.0025 ppm	-0.0010 ppm	0.0013 ppm	-0.0002 ppm	0.0000 ppm	0.0102 ppm
Concentration per Run	0.0000 ppm	0.0106 ppm	-0.0015 ppm	0.0006 ppm	-0.0002 ppm	0.0000 ppm	0.0023 ppm
Recovery Percentage	-0.606 %	10.351 %	-15.253 %	4.898 %	-1.970 %	0.815 %	5.759 %
Concentration RSD	207.5 %	75.0 %	114.7 %	68.0 %	12.7 %	57.3 %	69.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0002 ppm	0.0003 ppm	0.0001 ppm	0.0030 ppm	-0.0002 ppm	0.0007 ppm
Concentration per Run	0.0001 ppm	-0.0004 ppm	0.0001 ppm	0.0005 ppm	0.0030 ppm	0.0254 ppm	-0.0004 ppm
Concentration per Run	0.0001 ppm	-0.0001 ppm	0.0008 ppm	-0.0002 ppm	0.0027 ppm	-0.0125 ppm	0.0017 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	0.0002 ppm	-0.0001 ppm	0.0034 ppm	-0.0134 ppm	0.0009 ppm
Recovery Percentage	1.756 %	-0.911 %	3.297 %	0.616 %	6.080 %	-0.006 %	14.605 %
Concentration RSD	31.5 %	95.1 %	113.0 %	603.7 %	12.2 %	13,714.0 %	147.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0006 ppm	-0.0001 ppm	0.0001 ppm	0.0038 ppm	0.0004 ppm	-0.0002 ppm	-0.0003 ppm
Concentration per Run	0.0011 ppm	-0.0001 ppm	0.0002 ppm	0.0115 ppm	0.0002 ppm	-0.0009 ppm	0.0015 ppm
Concentration per Run	0.0014 ppm	0.0000 ppm	-0.0003 ppm	-0.0011 ppm	0.0011 ppm	-0.0001 ppm	-0.0018 ppm
Concentration per Run	-0.0006 ppm	-0.0002 ppm	0.0004 ppm	0.0010 ppm	-0.0002 ppm	0.0005 ppm	-0.0006 ppm
Recovery Percentage	0.640 %	-1.041 %	0.210 %	0.190 %	1.430 %	-1.751 %	-0.650 %
Concentration RSD	165.0 %	66.3 %	348.8 %	176.5 %	188.4 %	419.9 %	513.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0007 ppm	0.0065 ppm	0.0002 ppm	-0.0001 ppm	0.0004 ppm	0.0012 ppm	0.0001 ppm
Concentration per Run	-0.0003 ppm	0.0068 ppm	0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0011 ppm	0.0001 ppm
Concentration per Run	0.0004 ppm	0.0059 ppm	0.0010 ppm	-0.0001 ppm	0.0006 ppm	0.0025 ppm	0.0002 ppm
Concentration per Run	0.0019 ppm	0.0069 ppm	-0.0004 ppm	-0.0002 ppm	0.0002 ppm	0.0002 ppm	0.0001 ppm
Recovery Percentage	6.659 %	1.305 %	0.463 %	-0.628 %	3.506 %	6.212 %	1.460 %
Concentration RSD	166.6 %	8.5 %	314.4 %	165.0 %	50.3 %	94.7 %	33.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0000 ppm	100.9295 %	100.3676 %	101.0048 %	101.2795 %	101.3371 %	100.8240 %
Concentration per Run	-0.0004 ppm	101.5270 %	101.6835 %	100.8915 %	101.9996 %	101.8322 %	100.9118 %
Concentration per Run	0.0002 ppm	100.5602 %	99.5943 %	101.0839 %	100.9117 %	100.6612 %	100.6830 %
Concentration per Run	0.0001 ppm	100.7013 %	99.8250 %	101.0389 %	100.9272 %	101.5177 %	100.8772 %
Recovery Percentage	-0.667 %						
Concentration RSD	959.4 %	0.5 %	1.1 %	0.1 %	0.6 %	0.6 %	0.1 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2573410-02D5 WG2144640
Analysis started at: 11/26/2025 10:25:10 AM
Comment <Comment>
Rack Number 1
Vial Numbers 13

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0006 ppm	30.1471 ppm	0.0197 ppm	0.0180 ppm	0.5147 ppm	0.0016 ppm	496.2491 ppm
Concentration per Run	0.0010 ppm	30.1778 ppm	0.0184 ppm	0.0168 ppm	0.5169 ppm	0.0016 ppm	496.4261 ppm
Concentration per Run	0.0003 ppm	30.0740 ppm	0.0229 ppm	0.0205 ppm	0.5125 ppm	0.0015 ppm	496.2903 ppm
Concentration per Run	0.0005 ppm	30.1897 ppm	0.0178 ppm	0.0166 ppm	0.5146 ppm	0.0016 ppm	496.0308 ppm
Concentration RSD	54.6 %	0.2 %	14.2 %	12.3 %	0.4 %	0.9 %	0.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0014 ppm	0.0273 ppm	0.0658 ppm	0.0990 ppm	61.2887 ppm	3.1500 ppm	0.0957 ppm
Concentration per Run	0.0013 ppm	0.0277 ppm	0.0662 ppm	0.0994 ppm	61.5371 ppm	3.1868 ppm	0.1057 ppm
Concentration per Run	0.0015 ppm	0.0273 ppm	0.0659 ppm	0.0989 ppm	61.0794 ppm	3.1337 ppm	0.0912 ppm
Concentration per Run	0.0014 ppm	0.0269 ppm	0.0654 ppm	0.0985 ppm	61.2494 ppm	3.1293 ppm	0.0900 ppm
Concentration RSD	7.6 %	1.4 %	0.6 %	0.5 %	0.4 %	1.0 %	9.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	131.2771 ppm	1.6690 ppm	0.0028 ppm	0.9981 ppm	0.0726 ppm	0.4761 ppm	-0.0017 ppm
Concentration per Run	131.3047 ppm	1.6724 ppm	0.0031 ppm	0.9998 ppm	0.0735 ppm	0.4734 ppm	-0.0031 ppm
Concentration per Run	131.3543 ppm	1.6634 ppm	0.0027 ppm	0.9985 ppm	0.0721 ppm	0.4761 ppm	-0.0016 ppm
Concentration per Run	131.1724 ppm	1.6714 ppm	0.0027 ppm	0.9961 ppm	0.0723 ppm	0.4789 ppm	-0.0005 ppm
Concentration RSD	0.1 %	0.3 %	7.2 %	0.2 %	1.0 %	0.6 %	75.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0024 ppm	1.8369 ppm	0.0118 ppm	4.0868 ppm	0.3555 ppm	0.0010 ppm	0.0880 ppm
Concentration per Run	0.0029 ppm	1.8425 ppm	0.0116 ppm	4.1043 ppm	0.3554 ppm	-0.0004 ppm	0.0883 ppm
Concentration per Run	0.0056 ppm	1.8410 ppm	0.0112 ppm	4.0708 ppm	0.3553 ppm	0.0029 ppm	0.0881 ppm
Concentration per Run	-0.0012 ppm	1.8273 ppm	0.0126 ppm	4.0853 ppm	0.3558 ppm	0.0005 ppm	0.0877 ppm
Concentration RSD	140.5 %	0.5 %	5.8 %	0.4 %	0.1 %	168.5 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4711 ppm	93.4168 %	101.0425 %	87.0669 %	97.3835 %	105.9784 %	98.4470 %
Concentration per Run	0.4723 ppm	93.1079 %	101.2796 %	87.0912 %	97.3893 %	106.5199 %	98.4393 %
Concentration per Run	0.4711 ppm	93.3559 %	100.7897 %	86.7391 %	97.5084 %	105.5774 %	98.0266 %
Concentration per Run	0.4698 ppm	93.7866 %	101.0581 %	87.3703 %	97.2529 %	105.8380 %	98.8750 %
Concentration RSD	0.3 %	0.4 %	0.2 %	0.4 %	0.1 %	0.5 %	0.4 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2573410-04D5 WG2144640
Analysis started at: 11/26/2025 10:27:30 AM
Comment <Comment>
Rack Number 1
Vial Numbers 14

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	21.0303 ppm	0.0169 ppm	0.0204 ppm	0.1814 ppm	0.0012 ppm	613.1773 ppm
Concentration per Run	0.0007 ppm	20.9177 ppm	0.0172 ppm	0.0208 ppm	0.1797 ppm	0.0012 ppm	606.8789 ppm
Concentration per Run	-0.0010 ppm	21.0489 ppm	0.0191 ppm	0.0182 ppm	0.1817 ppm	0.0012 ppm	614.0465 ppm
Concentration per Run	0.0003 ppm	21.1242 ppm	0.0143 ppm	0.0223 ppm	0.1828 ppm	0.0012 ppm	618.6064 ppm
Concentration RSD	3,286.3 %	0.5 %	14.4 %	10.0 %	0.9 %	1.6 %	1.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0004 ppm	0.0254 ppm	0.0656 ppm	0.0717 ppm	54.6820 ppm	2.3054 ppm	0.0883 ppm
Concentration per Run	0.0004 ppm	0.0250 ppm	0.0658 ppm	0.0715 ppm	54.0698 ppm	2.2969 ppm	0.0836 ppm
Concentration per Run	0.0004 ppm	0.0254 ppm	0.0659 ppm	0.0716 ppm	54.8090 ppm	2.3164 ppm	0.0962 ppm
Concentration per Run	0.0005 ppm	0.0257 ppm	0.0652 ppm	0.0718 ppm	55.1673 ppm	2.3028 ppm	0.0851 ppm
Concentration RSD	12.5 %	1.3 %	0.6 %	0.2 %	1.0 %	0.4 %	7.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	104.1867 ppm	1.5638 ppm	0.0030 ppm	1.0697 ppm	0.0611 ppm	0.0670 ppm	-0.0013 ppm
Concentration per Run	104.3935 ppm	1.5488 ppm	0.0035 ppm	1.0560 ppm	0.0617 ppm	0.0679 ppm	0.0017 ppm
Concentration per Run	104.0559 ppm	1.5646 ppm	0.0025 ppm	1.0668 ppm	0.0614 ppm	0.0660 ppm	-0.0047 ppm
Concentration per Run	104.1108 ppm	1.5780 ppm	0.0032 ppm	1.0863 ppm	0.0603 ppm	0.0670 ppm	-0.0010 ppm
Concentration RSD	0.2 %	0.9 %	16.9 %	1.4 %	1.3 %	1.4 %	238.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0008 ppm	3.0424 ppm	0.0060 ppm	0.7056 ppm	0.2259 ppm	0.0026 ppm	0.1037 ppm
Concentration per Run	-0.0020 ppm	3.0458 ppm	0.0059 ppm	0.6990 ppm	0.2267 ppm	0.0038 ppm	0.1039 ppm
Concentration per Run	-0.0001 ppm	3.0273 ppm	0.0054 ppm	0.7078 ppm	0.2244 ppm	0.0005 ppm	0.1033 ppm
Concentration per Run	0.0045 ppm	3.0543 ppm	0.0069 ppm	0.7101 ppm	0.2266 ppm	0.0035 ppm	0.1040 ppm
Concentration RSD	432.6 %	0.5 %	12.5 %	0.8 %	0.6 %	70.7 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1520 ppm	93.1035 %	99.4543 %	86.5726 %	97.4025 %	104.8103 %	98.2482 %
Concentration per Run	0.1515 ppm	93.2611 %	101.1760 %	86.4154 %	97.2336 %	106.0010 %	97.9920 %
Concentration per Run	0.1517 ppm	93.0812 %	99.4425 %	86.9033 %	97.6767 %	104.8091 %	98.5907 %
Concentration per Run	0.1529 ppm	92.9682 %	97.7445 %	86.3991 %	97.2971 %	103.6209 %	98.1621 %
Concentration RSD	0.5 %	0.2 %	1.7 %	0.3 %	0.2 %	1.1 %	0.3 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2573410-07D8 WG2144640
Analysis started at: 11/26/2025 10:29:39 AM
Comment <Comment>
Rack Number 1
Vial Numbers 15

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	13.3958 ppm	0.0137 ppm	0.0149 ppm	0.2055 ppm	0.0010 ppm	567.0384 ppm
Concentration per Run	0.0002 ppm	13.3291 ppm	0.0149 ppm	0.0129 ppm	0.2031 ppm	0.0011 ppm	564.5988 ppm
Concentration per Run	-0.0001 ppm	13.4417 ppm	0.0136 ppm	0.0157 ppm	0.2068 ppm	0.0010 ppm	568.7876 ppm
Concentration per Run	-0.0006 ppm	13.4165 ppm	0.0125 ppm	0.0160 ppm	0.2065 ppm	0.0010 ppm	567.7288 ppm
Concentration RSD	283.1 %	0.4 %	8.5 %	11.6 %	1.0 %	3.6 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0006 ppm	0.0153 ppm	0.1173 ppm	0.0929 ppm	39.2188 ppm	1.5644 ppm	0.0683 ppm
Concentration per Run	0.0006 ppm	0.0155 ppm	0.1166 ppm	0.0925 ppm	39.0032 ppm	1.5739 ppm	0.0608 ppm
Concentration per Run	0.0006 ppm	0.0153 ppm	0.1177 ppm	0.0929 ppm	39.3525 ppm	1.5720 ppm	0.0699 ppm
Concentration per Run	0.0006 ppm	0.0152 ppm	0.1175 ppm	0.0933 ppm	39.3006 ppm	1.5473 ppm	0.0743 ppm
Concentration RSD	3.0 %	1.0 %	0.5 %	0.5 %	0.5 %	0.9 %	10.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	69.0510 ppm	0.6942 ppm	0.0026 ppm	0.6072 ppm	0.0435 ppm	0.5850 ppm	0.0017 ppm
Concentration per Run	68.9439 ppm	0.6907 ppm	0.0021 ppm	0.5988 ppm	0.0435 ppm	0.5850 ppm	-0.0017 ppm
Concentration per Run	68.9518 ppm	0.6961 ppm	0.0026 ppm	0.6131 ppm	0.0439 ppm	0.5863 ppm	0.0028 ppm
Concentration per Run	69.2574 ppm	0.6959 ppm	0.0031 ppm	0.6096 ppm	0.0430 ppm	0.5837 ppm	0.0040 ppm
Concentration RSD	0.3 %	0.4 %	20.4 %	1.2 %	1.0 %	0.2 %	176.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0062 ppm	1.2173 ppm	0.0867 ppm	0.6198 ppm	0.1279 ppm	0.0036 ppm	0.2031 ppm
Concentration per Run	0.0055 ppm	1.2167 ppm	0.0870 ppm	0.6153 ppm	0.1271 ppm	0.0047 ppm	0.2037 ppm
Concentration per Run	0.0050 ppm	1.2188 ppm	0.0858 ppm	0.6242 ppm	0.1279 ppm	0.0036 ppm	0.2027 ppm
Concentration per Run	0.0080 ppm	1.2164 ppm	0.0871 ppm	0.6200 ppm	0.1286 ppm	0.0024 ppm	0.2028 ppm
Concentration RSD	25.8 %	0.1 %	0.8 %	0.7 %	0.6 %	31.7 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2760 ppm	94.0516 %	102.3286 %	88.7202 %	95.5533 %	104.2720 %	96.9144 %
Concentration per Run	0.2748 ppm	94.1936 %	102.4910 %	88.7576 %	95.6206 %	103.9649 %	96.7772 %
Concentration per Run	0.2770 ppm	93.5616 %	102.6609 %	88.7833 %	95.0839 %	104.9989 %	96.9968 %
Concentration per Run	0.2762 ppm	94.3996 %	101.8339 %	88.6197 %	95.9554 %	103.8522 %	96.9693 %
Concentration RSD	0.4 %	0.5 %	0.4 %	0.1 %	0.5 %	0.6 %	0.1 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2573410-09D20 WG2144640
Analysis started at: 11/26/2025 10:31:49 AM
Comment rr Ca
Rack Number 1
Vial Numbers 16

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0006 ppm	3.6583 ppm	0.0023 ppm	0.0033 ppm	0.0317 ppm	0.0002 ppm	80.4464 ppm
Concentration per Run	0.0000 ppm	3.6636 ppm	0.0014 ppm	0.0027 ppm	0.0315 ppm	0.0002 ppm	80.2168 ppm
Concentration per Run	-0.0010 ppm	3.6503 ppm	0.0026 ppm	0.0035 ppm	0.0317 ppm	0.0002 ppm	80.5146 ppm
Concentration per Run	-0.0007 ppm	3.6610 ppm	0.0031 ppm	0.0038 ppm	0.0318 ppm	0.0002 ppm	80.6078 ppm
Concentration RSD	93.1 %	0.2 %	37.8 %	16.5 %	0.5 %	4.5 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0038 ppm	0.0099 ppm	0.0116 ppm	9.0919 ppm	0.3952 ppm	0.0123 ppm
Concentration per Run	0.0001 ppm	0.0038 ppm	0.0092 ppm	0.0119 ppm	9.0464 ppm	0.4053 ppm	0.0123 ppm
Concentration per Run	0.0000 ppm	0.0037 ppm	0.0103 ppm	0.0116 ppm	9.1144 ppm	0.3894 ppm	0.0144 ppm
Concentration per Run	0.0001 ppm	0.0040 ppm	0.0102 ppm	0.0114 ppm	9.1148 ppm	0.3909 ppm	0.0102 ppm
Concentration RSD	52.8 %	3.1 %	6.0 %	2.5 %	0.4 %	2.2 %	16.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	17.2999 ppm	0.3563 ppm	0.0006 ppm	0.1410 ppm	0.0100 ppm	0.0148 ppm	-0.0022 ppm
Concentration per Run	17.3160 ppm	0.3546 ppm	0.0004 ppm	0.1448 ppm	0.0095 ppm	0.0150 ppm	-0.0021 ppm
Concentration per Run	17.2769 ppm	0.3568 ppm	0.0010 ppm	0.1462 ppm	0.0100 ppm	0.0147 ppm	-0.0071 ppm
Concentration per Run	17.3067 ppm	0.3575 ppm	0.0004 ppm	0.1320 ppm	0.0105 ppm	0.0149 ppm	0.0027 ppm
Concentration RSD	0.1 %	0.4 %	51.0 %	5.6 %	5.0 %	1.1 %	222.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0017 ppm	0.5918 ppm	0.0006 ppm	0.0895 ppm	0.0372 ppm	0.0026 ppm	0.0169 ppm
Concentration per Run	-0.0025 ppm	0.5875 ppm	-0.0007 ppm	0.0891 ppm	0.0373 ppm	0.0014 ppm	0.0168 ppm
Concentration per Run	-0.0012 ppm	0.5931 ppm	0.0012 ppm	0.0894 ppm	0.0371 ppm	0.0029 ppm	0.0170 ppm
Concentration per Run	-0.0015 ppm	0.5947 ppm	0.0012 ppm	0.0901 ppm	0.0372 ppm	0.0035 ppm	0.0170 ppm
Concentration RSD	38.8 %	0.6 %	187.8 %	0.6 %	0.4 %	40.3 %	0.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0233 ppm	98.5477 %	101.7008 %	96.9904 %	98.5236 %	101.6576 %	99.2333 %
Concentration per Run	0.0231 ppm	99.2136 %	101.4023 %	96.8299 %	98.8233 %	100.8811 %	99.1174 %
Concentration per Run	0.0237 ppm	98.0180 %	101.8143 %	97.2650 %	97.9694 %	101.7809 %	99.4677 %
Concentration per Run	0.0231 ppm	98.4114 %	101.8858 %	96.8763 %	98.7780 %	102.3109 %	99.1147 %
Concentration RSD	1.3 %	0.6 %	0.3 %	0.2 %	0.5 %	0.7 %	0.2 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2573410-41D5 WG2144640
Analysis started at: 11/26/2025 10:33:59 AM
Comment <Comment>
Rack Number 1
Vial Numbers 17

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	21.8058 ppm	0.0151 ppm	0.0217 ppm	0.2782 ppm	0.0012 ppm	559.9610 ppm
Concentration per Run	-0.0007 ppm	21.6654 ppm	0.0173 ppm	0.0218 ppm	0.2750 ppm	0.0012 ppm	557.4183 ppm
Concentration per Run	-0.0002 ppm	21.9200 ppm	0.0151 ppm	0.0197 ppm	0.2799 ppm	0.0012 ppm	561.1624 ppm
Concentration per Run	0.0004 ppm	21.8320 ppm	0.0130 ppm	0.0237 ppm	0.2795 ppm	0.0013 ppm	561.3022 ppm
Concentration RSD	433.1 %	0.6 %	14.0 %	9.1 %	1.0 %	2.5 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0005 ppm	0.0234 ppm	0.0609 ppm	0.0764 ppm	51.5695 ppm	2.5777 ppm	0.0949 ppm
Concentration per Run	0.0005 ppm	0.0238 ppm	0.0621 ppm	0.0763 ppm	50.9534 ppm	2.5830 ppm	0.0864 ppm
Concentration per Run	0.0005 ppm	0.0230 ppm	0.0606 ppm	0.0768 ppm	51.8686 ppm	2.5915 ppm	0.1040 ppm
Concentration per Run	0.0005 ppm	0.0232 ppm	0.0601 ppm	0.0761 ppm	51.8863 ppm	2.5585 ppm	0.0943 ppm
Concentration RSD	6.3 %	1.9 %	1.7 %	0.5 %	1.0 %	0.7 %	9.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	155.5068 ppm	1.5455 ppm	0.0037 ppm	0.6080 ppm	0.0615 ppm	0.1516 ppm	-0.0006 ppm
Concentration per Run	155.5225 ppm	1.5390 ppm	0.0036 ppm	0.6028 ppm	0.0627 ppm	0.1528 ppm	-0.0015 ppm
Concentration per Run	155.3607 ppm	1.5490 ppm	0.0035 ppm	0.6120 ppm	0.0610 ppm	0.1514 ppm	-0.0026 ppm
Concentration per Run	155.6373 ppm	1.5484 ppm	0.0040 ppm	0.6093 ppm	0.0610 ppm	0.1506 ppm	0.0024 ppm
Concentration RSD	0.1 %	0.4 %	8.4 %	0.8 %	1.6 %	0.7 %	466.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0008 ppm	1.4637 ppm	0.0054 ppm	0.6140 ppm	0.2079 ppm	0.0023 ppm	0.0935 ppm
Concentration per Run	-0.0034 ppm	1.4644 ppm	0.0048 ppm	0.6086 ppm	0.2070 ppm	0.0020 ppm	0.0935 ppm
Concentration per Run	0.0030 ppm	1.4659 ppm	0.0052 ppm	0.6160 ppm	0.2081 ppm	0.0024 ppm	0.0934 ppm
Concentration per Run	-0.0021 ppm	1.4609 ppm	0.0062 ppm	0.6174 ppm	0.2088 ppm	0.0027 ppm	0.0936 ppm
Concentration RSD	401.7 %	0.2 %	13.2 %	0.8 %	0.4 %	13.6 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1700 ppm	92.8466 %	100.0865 %	86.0853 %	96.3043 %	103.8975 %	96.7787 %
Concentration per Run	0.1696 ppm	92.7039 %	100.6241 %	85.8402 %	96.2259 %	103.9072 %	96.3046 %
Concentration per Run	0.1704 ppm	92.6753 %	100.3804 %	86.2597 %	96.2379 %	104.6958 %	96.9050 %
Concentration per Run	0.1701 ppm	93.1605 %	99.2550 %	86.1560 %	96.4491 %	103.0896 %	97.1263 %
Concentration RSD	0.3 %	0.3 %	0.7 %	0.3 %	0.1 %	0.8 %	0.4 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2572664-01D2 WG2145675
Analysis started at: 11/26/2025 10:46:12 AM
Comment <Comment>
Rack Number 1
Vial Numbers 18

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0016 ppm	51.2352 ppm	0.4195 ppm	0.0976 ppm	0.7283 ppm	0.0036 ppm	275.5628 ppm
Concentration per Run	0.0013 ppm	51.3343 ppm	0.4167 ppm	0.0972 ppm	0.7284 ppm	0.0036 ppm	276.0405 ppm
Concentration per Run	0.0020 ppm	51.2583 ppm	0.4209 ppm	0.0983 ppm	0.7283 ppm	0.0036 ppm	275.9746 ppm
Concentration per Run	0.0015 ppm	51.1129 ppm	0.4211 ppm	0.0975 ppm	0.7281 ppm	0.0036 ppm	274.6732 ppm
Concentration RSD	21.2 %	0.2 %	0.6 %	0.6 %	0.0 %	0.5 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0065 ppm	0.0500 ppm	0.0951 ppm	0.2816 ppm	115.7194 ppm	5.9406 ppm	0.0917 ppm
Concentration per Run	0.0064 ppm	0.0501 ppm	0.0946 ppm	0.2803 ppm	115.8008 ppm	5.9342 ppm	0.0938 ppm
Concentration per Run	0.0063 ppm	0.0499 ppm	0.0956 ppm	0.2821 ppm	115.7940 ppm	5.9519 ppm	0.0885 ppm
Concentration per Run	0.0066 ppm	0.0499 ppm	0.0949 ppm	0.2825 ppm	115.5635 ppm	5.9356 ppm	0.0929 ppm
Concentration RSD	2.4 %	0.2 %	0.5 %	0.4 %	0.1 %	0.2 %	3.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	89.6754 ppm	7.5054 ppm	0.0037 ppm	1.2140 ppm	0.1054 ppm	0.6434 ppm	0.0008 ppm
Concentration per Run	89.6318 ppm	7.5100 ppm	0.0039 ppm	1.2143 ppm	0.1049 ppm	0.6388 ppm	0.0017 ppm
Concentration per Run	89.7817 ppm	7.5213 ppm	0.0038 ppm	1.2189 ppm	0.1057 ppm	0.6475 ppm	0.0006 ppm
Concentration per Run	89.6128 ppm	7.4849 ppm	0.0034 ppm	1.2086 ppm	0.1055 ppm	0.6439 ppm	-0.0001 ppm
Concentration RSD	0.1 %	0.2 %	6.5 %	0.4 %	0.4 %	0.7 %	122.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0058 ppm	8.1523 ppm	0.0724 ppm	0.4363 ppm	0.4438 ppm	-0.0007 ppm	0.1090 ppm
Concentration per Run	0.0074 ppm	8.1376 ppm	0.0726 ppm	0.4371 ppm	0.4425 ppm	0.0001 ppm	0.1086 ppm
Concentration per Run	0.0009 ppm	8.1658 ppm	0.0737 ppm	0.4363 ppm	0.4458 ppm	0.0000 ppm	0.1089 ppm
Concentration per Run	0.0090 ppm	8.1536 ppm	0.0708 ppm	0.4355 ppm	0.4432 ppm	-0.0022 ppm	0.1094 ppm
Concentration RSD	73.7 %	0.2 %	2.1 %	0.2 %	0.4 %	181.9 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.7334 ppm	97.9891 %	105.3737 %	91.1920 %	109.0580 %	118.6868 %	110.7011 %
Concentration per Run	1.7214 ppm	98.3064 %	105.2216 %	91.5093 %	109.2099 %	118.7647 %	110.9125 %
Concentration per Run	1.7392 ppm	97.7218 %	105.0345 %	91.0379 %	108.7869 %	118.5674 %	110.6811 %
Concentration per Run	1.7397 ppm	97.9392 %	105.8650 %	91.0288 %	109.1771 %	118.7284 %	110.5098 %
Concentration RSD	0.6 %	0.3 %	0.4 %	0.3 %	0.2 %	0.1 %	0.2 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2572664-02D2 WG2145675
Analysis started at: 11/26/2025 10:48:32 AM
Comment <Comment>
Rack Number 1
Vial Numbers 19

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0015 ppm	55.6329 ppm	0.9079 ppm	0.0748 ppm	0.7636 ppm	0.0032 ppm	299.1609 ppm
Concentration per Run	0.0014 ppm	55.5674 ppm	0.9095 ppm	0.0753 ppm	0.7653 ppm	0.0032 ppm	298.9621 ppm
Concentration per Run	0.0018 ppm	55.3834 ppm	0.9112 ppm	0.0748 ppm	0.7579 ppm	0.0032 ppm	297.9379 ppm
Concentration per Run	0.0013 ppm	55.9479 ppm	0.9030 ppm	0.0744 ppm	0.7676 ppm	0.0032 ppm	300.5826 ppm
Concentration RSD	16.8 %	0.5 %	0.5 %	0.6 %	0.7 %	0.4 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0070 ppm	0.0439 ppm	0.0874 ppm	0.2561 ppm	112.2726 ppm	4.6791 ppm	0.0705 ppm
Concentration per Run	0.0070 ppm	0.0436 ppm	0.0869 ppm	0.2559 ppm	112.2413 ppm	4.7160 ppm	0.0705 ppm
Concentration per Run	0.0071 ppm	0.0441 ppm	0.0875 ppm	0.2565 ppm	111.6920 ppm	4.6385 ppm	0.0678 ppm
Concentration per Run	0.0070 ppm	0.0440 ppm	0.0878 ppm	0.2560 ppm	112.8846 ppm	4.6830 ppm	0.0731 ppm
Concentration RSD	0.6 %	0.5 %	0.5 %	0.1 %	0.5 %	0.8 %	3.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	85.8031 ppm	7.4551 ppm	0.0034 ppm	1.4855 ppm	0.0997 ppm	0.5125 ppm	-0.0021 ppm
Concentration per Run	85.7368 ppm	7.4424 ppm	0.0032 ppm	1.4850 ppm	0.1007 ppm	0.5126 ppm	-0.0028 ppm
Concentration per Run	85.9535 ppm	7.4260 ppm	0.0035 ppm	1.4736 ppm	0.0987 ppm	0.5120 ppm	-0.0022 ppm
Concentration per Run	85.7191 ppm	7.4968 ppm	0.0035 ppm	1.4980 ppm	0.0997 ppm	0.5128 ppm	-0.0014 ppm
Concentration RSD	0.2 %	0.5 %	5.1 %	0.8 %	1.0 %	0.1 %	33.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0066 ppm	7.3813 ppm	0.0339 ppm	0.4739 ppm	0.6541 ppm	0.0002 ppm	0.1071 ppm
Concentration per Run	0.0077 ppm	7.3986 ppm	0.0344 ppm	0.4746 ppm	0.6529 ppm	-0.0008 ppm	0.1075 ppm
Concentration per Run	0.0030 ppm	7.4067 ppm	0.0333 ppm	0.4717 ppm	0.6542 ppm	0.0027 ppm	0.1071 ppm
Concentration per Run	0.0091 ppm	7.3387 ppm	0.0339 ppm	0.4755 ppm	0.6553 ppm	-0.0014 ppm	0.1069 ppm
Concentration RSD	47.8 %	0.5 %	1.6 %	0.4 %	0.2 %	1,282.4 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.4982 ppm	98.5739 %	105.6363 %	91.0103 %	108.2751 %	117.2019 %	108.8779 %
Concentration per Run	1.4951 ppm	98.4912 %	105.2423 %	91.1502 %	108.0206 %	116.5015 %	109.1195 %
Concentration per Run	1.4984 ppm	98.9210 %	106.5213 %	90.9527 %	108.8936 %	117.9113 %	108.7211 %
Concentration per Run	1.5012 ppm	98.3095 %	105.1454 %	90.9279 %	107.9111 %	117.1928 %	108.7931 %
Concentration RSD	0.2 %	0.3 %	0.7 %	0.1 %	0.5 %	0.6 %	0.2 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2572664-03D2 WG2145675
Analysis started at: 11/26/2025 10:50:41 AM
Comment <Comment>
Rack Number 1
Vial Numbers 20

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0013 ppm	32.8062 ppm	1.7737 ppm	0.0642 ppm	0.6405 ppm	0.0025 ppm	221.9769 ppm
Concentration per Run	0.0013 ppm	32.8712 ppm	1.7723 ppm	0.0632 ppm	0.6369 ppm	0.0025 ppm	222.1060 ppm
Concentration per Run	0.0016 ppm	32.8331 ppm	1.7741 ppm	0.0644 ppm	0.6429 ppm	0.0026 ppm	222.6656 ppm
Concentration per Run	0.0011 ppm	32.7141 ppm	1.7749 ppm	0.0649 ppm	0.6418 ppm	0.0025 ppm	221.1592 ppm
Concentration RSD	16.8 %	0.2 %	0.1 %	1.4 %	0.5 %	1.7 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0047 ppm	0.0351 ppm	0.0600 ppm	0.2148 ppm	122.1092 ppm	2.7808 ppm	0.0600 ppm
Concentration per Run	0.0047 ppm	0.0353 ppm	0.0607 ppm	0.2146 ppm	121.9372 ppm	2.7944 ppm	0.0582 ppm
Concentration per Run	0.0047 ppm	0.0347 ppm	0.0599 ppm	0.2144 ppm	122.3261 ppm	2.7754 ppm	0.0602 ppm
Concentration per Run	0.0047 ppm	0.0352 ppm	0.0595 ppm	0.2154 ppm	122.0642 ppm	2.7727 ppm	0.0616 ppm
Concentration RSD	0.6 %	1.0 %	1.0 %	0.2 %	0.2 %	0.4 %	2.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	51.6623 ppm	7.1039 ppm	0.0023 ppm	1.5468 ppm	0.0749 ppm	0.5550 ppm	0.0001 ppm
Concentration per Run	51.8079 ppm	7.1079 ppm	0.0020 ppm	1.5444 ppm	0.0754 ppm	0.5529 ppm	0.0004 ppm
Concentration per Run	51.5079 ppm	7.1105 ppm	0.0025 ppm	1.5572 ppm	0.0739 ppm	0.5569 ppm	0.0009 ppm
Concentration per Run	51.6712 ppm	7.0933 ppm	0.0026 ppm	1.5388 ppm	0.0754 ppm	0.5552 ppm	-0.0008 ppm
Concentration RSD	0.3 %	0.1 %	14.4 %	0.6 %	1.2 %	0.4 %	638.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0028 ppm	7.8625 ppm	0.0448 ppm	0.3963 ppm	0.2802 ppm	-0.0019 ppm	0.0706 ppm
Concentration per Run	0.0024 ppm	7.9227 ppm	0.0439 ppm	0.3944 ppm	0.2804 ppm	-0.0017 ppm	0.0712 ppm
Concentration per Run	0.0028 ppm	7.8176 ppm	0.0461 ppm	0.3970 ppm	0.2792 ppm	-0.0035 ppm	0.0703 ppm
Concentration per Run	0.0031 ppm	7.8473 ppm	0.0446 ppm	0.3975 ppm	0.2810 ppm	-0.0006 ppm	0.0702 ppm
Concentration RSD	12.8 %	0.7 %	2.5 %	0.4 %	0.3 %	77.3 %	0.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.2001 ppm	97.3380 %	104.1448 %	92.0736 %	103.5574 %	111.8137 %	105.2249 %
Concentration per Run	1.2068 ppm	97.0144 %	104.2727 %	91.9942 %	103.0391 %	112.2576 %	105.0431 %
Concentration per Run	1.1972 ppm	97.4931 %	103.8160 %	91.8755 %	103.9648 %	111.5653 %	104.7923 %
Concentration per Run	1.1962 ppm	97.5065 %	104.3456 %	92.3512 %	103.6683 %	111.6182 %	105.8392 %
Concentration RSD	0.5 %	0.3 %	0.3 %	0.3 %	0.5 %	0.3 %	0.5 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2572664-04D2 WG2145675
Analysis started at: 11/26/2025 10:52:51 AM
Comment <Comment>
Rack Number 1
Vial Numbers 21

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0016 ppm	32.8093 ppm	1.5855 ppm	0.0359 ppm	0.3849 ppm	0.0029 ppm	257.2915 ppm
Concentration per Run	0.0014 ppm	32.6465 ppm	1.5791 ppm	0.0367 ppm	0.3830 ppm	0.0028 ppm	256.9669 ppm
Concentration per Run	0.0014 ppm	32.7380 ppm	1.5935 ppm	0.0342 ppm	0.3852 ppm	0.0029 ppm	257.7522 ppm
Concentration per Run	0.0020 ppm	33.0435 ppm	1.5839 ppm	0.0366 ppm	0.3865 ppm	0.0028 ppm	257.1555 ppm
Concentration RSD	21.3 %	0.6 %	0.5 %	3.9 %	0.5 %	0.6 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0034 ppm	0.0470 ppm	0.0879 ppm	0.4652 ppm	189.4477 ppm	3.0165 ppm	0.0785 ppm
Concentration per Run	0.0034 ppm	0.0472 ppm	0.0877 ppm	0.4675 ppm	189.5215 ppm	3.0398 ppm	0.0782 ppm
Concentration per Run	0.0034 ppm	0.0471 ppm	0.0886 ppm	0.4651 ppm	189.6289 ppm	3.0045 ppm	0.0763 ppm
Concentration per Run	0.0034 ppm	0.0468 ppm	0.0875 ppm	0.4629 ppm	189.1928 ppm	3.0051 ppm	0.0810 ppm
Concentration RSD	0.6 %	0.5 %	0.7 %	0.5 %	0.1 %	0.7 %	3.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	118.5274 ppm	4.0404 ppm	0.0039 ppm	1.2145 ppm	0.1166 ppm	1.5268 ppm	0.0015 ppm
Concentration per Run	118.4717 ppm	4.0393 ppm	0.0038 ppm	1.2139 ppm	0.1170 ppm	1.5288 ppm	0.0021 ppm
Concentration per Run	118.6121 ppm	4.0425 ppm	0.0039 ppm	1.2133 ppm	0.1175 ppm	1.5265 ppm	-0.0010 ppm
Concentration per Run	118.4984 ppm	4.0394 ppm	0.0038 ppm	1.2163 ppm	0.1153 ppm	1.5252 ppm	0.0035 ppm
Concentration RSD	0.1 %	0.0 %	1.7 %	0.1 %	1.0 %	0.1 %	151.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0027 ppm	6.4091 ppm	0.4975 ppm	0.2468 ppm	0.2497 ppm	-0.0024 ppm	0.0793 ppm
Concentration per Run	0.0023 ppm	6.4471 ppm	0.4998 ppm	0.2468 ppm	0.2488 ppm	-0.0020 ppm	0.0801 ppm
Concentration per Run	-0.0004 ppm	6.4093 ppm	0.4979 ppm	0.2465 ppm	0.2508 ppm	-0.0021 ppm	0.0792 ppm
Concentration per Run	0.0062 ppm	6.3709 ppm	0.4948 ppm	0.2470 ppm	0.2497 ppm	-0.0032 ppm	0.0786 ppm
Concentration RSD	122.7 %	0.6 %	0.5 %	0.1 %	0.4 %	25.9 %	0.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.8498 ppm	96.6600 %	103.0305 %	90.0956 %	117.3701 %	127.0832 %	119.1279 %
Concentration per Run	1.8572 ppm	96.9248 %	103.2704 %	90.0479 %	117.8777 %	127.6094 %	119.0423 %
Concentration per Run	1.8598 ppm	96.1901 %	102.5253 %	90.0339 %	116.7757 %	126.4362 %	119.2596 %
Concentration per Run	1.8325 ppm	96.8649 %	103.2959 %	90.2048 %	117.4569 %	127.2040 %	119.0819 %
Concentration RSD	0.8 %	0.4 %	0.4 %	0.1 %	0.5 %	0.5 %	0.1 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2572664-05D2 WG2145675
Analysis started at: 11/26/2025 10:55:00 AM
Comment <Comment>
Rack Number 1
Vial Numbers 22

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0012 ppm	30.8424 ppm	1.3662 ppm	0.0515 ppm	0.4687 ppm	0.0030 ppm	508.5211 ppm
Concentration per Run	0.0011 ppm	30.8153 ppm	1.3681 ppm	0.0508 ppm	0.4683 ppm	0.0029 ppm	505.8364 ppm
Concentration per Run	0.0017 ppm	30.8603 ppm	1.3636 ppm	0.0502 ppm	0.4667 ppm	0.0030 ppm	510.4391 ppm
Concentration per Run	0.0009 ppm	30.8516 ppm	1.3669 ppm	0.0535 ppm	0.4713 ppm	0.0030 ppm	509.2877 ppm
Concentration RSD	33.1 %	0.1 %	0.2 %	3.4 %	0.5 %	0.8 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0036 ppm	0.0394 ppm	0.0762 ppm	0.3494 ppm	135.4413 ppm	3.3265 ppm	0.0833 ppm
Concentration per Run	0.0035 ppm	0.0395 ppm	0.0763 ppm	0.3512 ppm	135.2794 ppm	3.3352 ppm	0.0823 ppm
Concentration per Run	0.0037 ppm	0.0397 ppm	0.0755 ppm	0.3472 ppm	134.8881 ppm	3.3214 ppm	0.0824 ppm
Concentration per Run	0.0035 ppm	0.0390 ppm	0.0767 ppm	0.3499 ppm	136.1565 ppm	3.3230 ppm	0.0851 ppm
Concentration RSD	3.5 %	0.9 %	0.8 %	0.6 %	0.5 %	0.2 %	1.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	227.5549 ppm	9.2364 ppm	0.0040 ppm	1.6955 ppm	0.1000 ppm	1.0406 ppm	0.0032 ppm
Concentration per Run	227.8006 ppm	9.2086 ppm	0.0037 ppm	1.6867 ppm	0.0998 ppm	1.0426 ppm	0.0042 ppm
Concentration per Run	227.2696 ppm	9.2275 ppm	0.0044 ppm	1.7064 ppm	0.1016 ppm	1.0389 ppm	0.0001 ppm
Concentration per Run	227.5944 ppm	9.2732 ppm	0.0039 ppm	1.6935 ppm	0.0986 ppm	1.0404 ppm	0.0053 ppm
Concentration RSD	0.1 %	0.4 %	9.4 %	0.6 %	1.5 %	0.2 %	84.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0008 ppm	8.4434 ppm	0.2304 ppm	0.4716 ppm	0.2605 ppm	-0.0021 ppm	0.0704 ppm
Concentration per Run	0.0004 ppm	8.4372 ppm	0.2310 ppm	0.4713 ppm	0.2577 ppm	-0.0039 ppm	0.0705 ppm
Concentration per Run	0.0009 ppm	8.4158 ppm	0.2279 ppm	0.4687 ppm	0.2579 ppm	-0.0023 ppm	0.0699 ppm
Concentration per Run	0.0010 ppm	8.4773 ppm	0.2322 ppm	0.4746 ppm	0.2658 ppm	-0.0002 ppm	0.0708 ppm
Concentration RSD	41.0 %	0.4 %	1.0 %	0.6 %	1.8 %	87.4 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.4665 ppm	94.0894 %	101.6708 %	86.1941 %	112.4408 %	123.5707 %	113.3871 %
Concentration per Run	1.4692 ppm	93.8875 %	102.9091 %	86.4594 %	112.4396 %	124.6934 %	114.0987 %
Concentration per Run	1.4582 ppm	94.2864 %	100.5943 %	86.1776 %	112.3073 %	122.3936 %	112.9248 %
Concentration per Run	1.4722 ppm	94.0943 %	101.5091 %	85.9454 %	112.5756 %	123.6249 %	113.1379 %
Concentration RSD	0.5 %	0.2 %	1.1 %	0.3 %	0.1 %	0.9 %	0.6 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: CCV
Analysis started at: 11/26/2025 10:57:10 AM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5149 ppm	0.5071 ppm	0.4876 ppm	0.5150 ppm	0.5113 ppm	0.5210 ppm	0.5274 ppm
Concentration per Run	0.5145 ppm	0.5132 ppm	0.4888 ppm	0.5160 ppm	0.5117 ppm	0.5221 ppm	0.5290 ppm
Concentration per Run	0.5147 ppm	0.5046 ppm	0.4862 ppm	0.5154 ppm	0.5124 ppm	0.5220 ppm	0.5301 ppm
Concentration per Run	0.5155 ppm	0.5036 ppm	0.4878 ppm	0.5138 ppm	0.5099 ppm	0.5190 ppm	0.5231 ppm
Recovery Percentage	102.983 %	101.423 %	97.516 %	103.009 %	102.259 %	104.205 %	105.482 %
Concentration RSD	0.1 %	1.0 %	0.3 %	0.2 %	0.3 %	0.3 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5234 ppm	0.5300 ppm	0.5233 ppm	0.5304 ppm	0.5228 ppm	5.3761 ppm	0.5185 ppm
Concentration per Run	0.5234 ppm	0.5297 ppm	0.5214 ppm	0.5309 ppm	0.5229 ppm	5.3962 ppm	0.5151 ppm
Concentration per Run	0.5246 ppm	0.5298 ppm	0.5248 ppm	0.5309 ppm	0.5231 ppm	5.4084 ppm	0.5260 ppm
Concentration per Run	0.5222 ppm	0.5304 ppm	0.5237 ppm	0.5293 ppm	0.5225 ppm	5.3238 ppm	0.5146 ppm
Recovery Percentage	104.679 %	105.998 %	104.664 %	106.074 %	104.569 %	107.522 %	103.709 %
Concentration RSD	0.2 %	0.1 %	0.3 %	0.2 %	0.1 %	0.9 %	1.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5239 ppm	0.5252 ppm	0.5109 ppm	10.4151 ppm	0.5318 ppm	0.5138 ppm	0.5338 ppm
Concentration per Run	0.5277 ppm	0.5271 ppm	0.5113 ppm	10.4166 ppm	0.5295 ppm	0.5144 ppm	0.5326 ppm
Concentration per Run	0.5227 ppm	0.5254 ppm	0.5085 ppm	10.4263 ppm	0.5315 ppm	0.5135 ppm	0.5383 ppm
Concentration per Run	0.5213 ppm	0.5231 ppm	0.5129 ppm	10.4026 ppm	0.5345 ppm	0.5134 ppm	0.5307 ppm
Recovery Percentage	104.782 %	105.040 %	102.187 %	104.151 %	106.366 %	102.759 %	106.768 %
Concentration RSD	0.6 %	0.4 %	0.4 %	0.1 %	0.5 %	0.1 %	0.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4970 ppm	5.6061 ppm	0.5139 ppm	0.5037 ppm	0.5144 ppm	0.5222 ppm	0.5249 ppm
Concentration per Run	0.5000 ppm	5.5969 ppm	0.5135 ppm	0.5047 ppm	0.5136 ppm	0.5256 ppm	0.5240 ppm
Concentration per Run	0.4960 ppm	5.5897 ppm	0.5153 ppm	0.5046 ppm	0.5141 ppm	0.5200 ppm	0.5251 ppm
Concentration per Run	0.4950 ppm	5.6318 ppm	0.5129 ppm	0.5019 ppm	0.5156 ppm	0.5211 ppm	0.5257 ppm
Recovery Percentage	99.396 %	106.783 %	102.779 %	100.743 %	102.888 %	104.450 %	104.986 %
Concentration RSD	0.5 %	0.4 %	0.2 %	0.3 %	0.2 %	0.6 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5265 ppm	100.6033 %	101.5850 %	100.9179 %	98.5924 %	100.6382 %	99.1726 %
Concentration per Run	0.5264 ppm	100.3860 %	101.4281 %	100.7360 %	98.2696 %	100.8007 %	99.1056 %
Concentration per Run	0.5278 ppm	100.4575 %	101.2188 %	100.6705 %	98.4889 %	100.1541 %	98.9219 %
Concentration per Run	0.5253 ppm	100.9663 %	102.1083 %	101.3471 %	99.0187 %	100.9598 %	99.4905 %
Recovery Percentage	105.296 %						
Concentration RSD	0.2 %	0.3 %	0.5 %	0.4 %	0.4 %	0.4 %	0.3 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: CCB
Analysis started at: 11/26/2025 10:59:20 AM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0003 ppm	0.0118 ppm	-0.0007 ppm	0.0015 ppm	-0.0001 ppm	0.0000 ppm	0.0048 ppm
Concentration per Run	0.0003 ppm	0.0251 ppm	-0.0004 ppm	0.0011 ppm	0.0000 ppm	0.0000 ppm	0.0051 ppm
Concentration per Run	-0.0007 ppm	0.0070 ppm	-0.0014 ppm	0.0005 ppm	-0.0001 ppm	0.0000 ppm	0.0043 ppm
Concentration per Run	-0.0005 ppm	0.0032 ppm	-0.0002 ppm	0.0029 ppm	-0.0002 ppm	0.0000 ppm	0.0049 ppm
Recovery Percentage	-4.498 %	11.778 %	-13.362 %	4.975 %	-1.157 %	0.990 %	4.756 %
Concentration RSD	159.5 %	99.7 %	93.9 %	82.4 %	73.5 %	36.9 %	8.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0003 ppm	-0.0001 ppm	0.0003 ppm	0.0025 ppm	-0.0011 ppm	0.0004 ppm
Concentration per Run	0.0000 ppm	-0.0004 ppm	-0.0003 ppm	0.0004 ppm	0.0016 ppm	-0.0196 ppm	0.0019 ppm
Concentration per Run	0.0001 ppm	-0.0001 ppm	-0.0003 ppm	0.0002 ppm	0.0036 ppm	0.0002 ppm	-0.0006 ppm
Concentration per Run	0.0000 ppm	-0.0006 ppm	0.0001 ppm	0.0003 ppm	0.0024 ppm	0.0162 ppm	-0.0001 ppm
Recovery Percentage	1.167 %	-1.724 %	-1.478 %	3.097 %	5.056 %	-0.042 %	7.899 %
Concentration RSD	73.0 %	67.6 %	166.7 %	45.6 %	41.0 %	1,700.0 %	331.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0004 ppm	-0.0002 ppm	0.0003 ppm	0.0004 ppm	0.0001 ppm	-0.0010 ppm	0.0009 ppm
Concentration per Run	-0.0001 ppm	-0.0002 ppm	0.0005 ppm	0.0005 ppm	0.0003 ppm	-0.0013 ppm	0.0032 ppm
Concentration per Run	0.0006 ppm	-0.0001 ppm	0.0004 ppm	-0.0018 ppm	-0.0001 ppm	-0.0004 ppm	-0.0040 ppm
Concentration per Run	0.0007 ppm	-0.0002 ppm	0.0001 ppm	0.0026 ppm	-0.0001 ppm	-0.0012 ppm	0.0034 ppm
Recovery Percentage	0.380 %	-1.565 %	0.630 %	0.021 %	0.215 %	-9.712 %	1.728 %
Concentration RSD	122.8 %	16.4 %	70.7 %	511.5 %	342.9 %	46.9 %	486.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0040 ppm	0.0144 ppm	0.0005 ppm	0.0001 ppm	0.0004 ppm	0.0003 ppm	0.0001 ppm
Concentration per Run	0.0043 ppm	0.0134 ppm	0.0008 ppm	0.0000 ppm	0.0006 ppm	-0.0004 ppm	0.0000 ppm
Concentration per Run	0.0038 ppm	0.0157 ppm	0.0006 ppm	0.0001 ppm	0.0003 ppm	0.0011 ppm	0.0003 ppm
Concentration per Run	0.0039 ppm	0.0142 ppm	0.0001 ppm	0.0001 ppm	0.0003 ppm	0.0001 ppm	0.0001 ppm
Recovery Percentage	40.090 %	2.889 %	0.954 %	0.549 %	4.084 %	1.363 %	1.071 %
Concentration RSD	7.6 %	8.1 %	71.3 %	130.7 %	36.2 %	269.6 %	138.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0002 ppm	100.2524 %	100.8976 %	100.6756 %	100.2322 %	100.9941 %	100.8017 %
Concentration per Run	-0.0002 ppm	100.4018 %	101.3546 %	101.4263 %	100.3403 %	101.0674 %	101.3215 %
Concentration per Run	-0.0005 ppm	100.1200 %	101.0322 %	100.5441 %	99.9795 %	101.2578 %	100.7518 %
Concentration per Run	0.0000 ppm	100.2353 %	100.3061 %	100.0564 %	100.3768 %	100.6572 %	100.3318 %
Recovery Percentage	-4.612 %						
Concentration RSD	106.7 %	0.1 %	0.5 %	0.7 %	0.2 %	0.3 %	0.5 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2146224-1 WG2146224
Analysis started at: 11/26/2025 11:07:26 AM
Comment <Comment>
Rack Number 1
Vial Numbers 28

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	0.0093 ppm	-0.0008 ppm	-0.0006 ppm	0.0002 ppm	0.0001 ppm	0.0303 ppm
Concentration per Run	-0.0002 ppm	0.0003 ppm	-0.0001 ppm	-0.0017 ppm	0.0002 ppm	0.0001 ppm	0.0278 ppm
Concentration per Run	-0.0001 ppm	0.0145 ppm	-0.0003 ppm	-0.0013 ppm	0.0003 ppm	0.0000 ppm	0.0322 ppm
Concentration per Run	-0.0002 ppm	0.0132 ppm	-0.0019 ppm	0.0011 ppm	0.0001 ppm	0.0001 ppm	0.0309 ppm
Recovery Percentage	-2.539 %	9.328 %	-15.266 %	-2.043 %	1.748 %	1.522 %	30.300 %
Concentration RSD	58.2 %	84.0 %	131.9 %	249.7 %	55.9 %	36.7 %	7.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0006 ppm	-0.0008 ppm	-0.0011 ppm	0.0046 ppm	0.0479 ppm	-0.0006 ppm
Concentration per Run	0.0001 ppm	-0.0008 ppm	-0.0012 ppm	-0.0022 ppm	0.0055 ppm	0.0731 ppm	-0.0004 ppm
Concentration per Run	0.0000 ppm	-0.0007 ppm	-0.0012 ppm	-0.0016 ppm	0.0041 ppm	0.0224 ppm	0.0009 ppm
Concentration per Run	0.0000 ppm	-0.0004 ppm	0.0000 ppm	0.0004 ppm	0.0041 ppm	0.0482 ppm	-0.0022 ppm
Recovery Percentage	0.957 %	-3.180 %	-8.061 %	-11.324 %	9.176 %	1.916 %	-12.045 %
Concentration RSD	46.5 %	33.0 %	85.5 %	121.3 %	17.8 %	52.9 %	260.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0027 ppm	0.0001 ppm	0.0000 ppm	134.7585 ppm	0.0016 ppm	-0.0006 ppm	-0.0004 ppm
Concentration per Run	0.0007 ppm	0.0003 ppm	0.0000 ppm	134.8691 ppm	0.0020 ppm	-0.0007 ppm	-0.0004 ppm
Concentration per Run	0.0027 ppm	0.0000 ppm	0.0001 ppm	134.7802 ppm	0.0014 ppm	-0.0005 ppm	-0.0008 ppm
Concentration per Run	0.0047 ppm	-0.0001 ppm	-0.0001 ppm	134.6262 ppm	0.0013 ppm	-0.0005 ppm	0.0000 ppm
Recovery Percentage	2.688 %	0.677 %	-0.018 %	6,737.925 %	6.234 %	-5.773 %	-0.795 %
Concentration RSD	76.1 %	290.4 %	854.8 %	0.1 %	27.1 %	20.7 %	94.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0005 ppm	0.0114 ppm	-0.0007 ppm	0.0001 ppm	0.0011 ppm	0.0002 ppm	0.0004 ppm
Concentration per Run	0.0005 ppm	0.0096 ppm	-0.0009 ppm	0.0001 ppm	0.0015 ppm	0.0005 ppm	0.0004 ppm
Concentration per Run	0.0008 ppm	0.0044 ppm	-0.0006 ppm	0.0001 ppm	0.0013 ppm	0.0022 ppm	0.0004 ppm
Concentration per Run	0.0004 ppm	0.0203 ppm	-0.0005 ppm	0.0001 ppm	0.0004 ppm	-0.0020 ppm	0.0003 ppm
Recovery Percentage	5.481 %	2.286 %	-1.373 %	0.872 %	10.586 %	1.085 %	3.958 %
Concentration RSD	34.0 %	70.7 %	32.7 %	26.1 %	53.1 %	976.1 %	13.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0009 ppm	261.8811 %	102.6464 %	98.2518 %	259.2669 %	101.0625 %	99.4051 %
Concentration per Run	-0.0002 ppm	343.3312 %	101.9200 %	101.8964 %	352.5198 %	100.3030 %	102.8169 %
Concentration per Run	0.0005 ppm	297.1650 %	103.3674 %	97.7216 %	287.4842 %	101.6030 %	98.9023 %
Concentration per Run	0.0024 ppm	145.1473 %	102.6520 %	95.1373 %	137.7967 %	101.2814 %	96.4963 %
Recovery Percentage	17.883 %						
Concentration RSD	147.3 %	39.6 %	0.7 %	3.5 %	42.5 %	0.7 %	3.2 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2146224-2 WG2146224
Analysis started at: 11/26/2025 11:09:46 AM
Comment <Comment>
Rack Number 1
Vial Numbers 29

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0426 ppm	1.7899 ppm	0.1096 ppm	0.9103 ppm	1.7628 ppm	0.0445 ppm	9.5909 ppm
Concentration per Run	0.0425 ppm	1.8018 ppm	0.1115 ppm	0.9111 ppm	1.7576 ppm	0.0445 ppm	9.5807 ppm
Concentration per Run	0.0430 ppm	1.7829 ppm	0.1103 ppm	0.9115 ppm	1.7701 ppm	0.0445 ppm	9.6148 ppm
Concentration per Run	0.0422 ppm	1.7849 ppm	0.1069 ppm	0.9084 ppm	1.7608 ppm	0.0444 ppm	9.5773 ppm
Concentration RSD	1.0 %	0.6 %	2.1 %	0.2 %	0.4 %	0.1 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0489 ppm	0.4354 ppm	0.1757 ppm	0.2216 ppm	0.8915 ppm	9.8877 ppm	0.9971 ppm
Concentration per Run	0.0489 ppm	0.4362 ppm	0.1761 ppm	0.2224 ppm	0.8914 ppm	9.8990 ppm	0.9885 ppm
Concentration per Run	0.0489 ppm	0.4361 ppm	0.1756 ppm	0.2214 ppm	0.8935 ppm	9.9106 ppm	1.0147 ppm
Concentration per Run	0.0488 ppm	0.4340 ppm	0.1754 ppm	0.2210 ppm	0.8897 ppm	9.8535 ppm	0.9880 ppm
Concentration RSD	0.2 %	0.3 %	0.2 %	0.3 %	0.2 %	0.3 %	1.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	9.2331 ppm	0.4444 ppm	0.9357 ppm	9.6182 ppm	0.4410 ppm	0.4940 ppm	0.4713 ppm
Concentration per Run	9.2379 ppm	0.4448 ppm	0.9366 ppm	9.6193 ppm	0.4421 ppm	0.4921 ppm	0.4678 ppm
Concentration per Run	9.1944 ppm	0.4457 ppm	0.9372 ppm	9.6775 ppm	0.4424 ppm	0.4954 ppm	0.4726 ppm
Concentration per Run	9.2669 ppm	0.4428 ppm	0.9333 ppm	9.5577 ppm	0.4386 ppm	0.4946 ppm	0.4735 ppm
Concentration RSD	0.4 %	0.3 %	0.2 %	0.6 %	0.5 %	0.3 %	0.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1084 ppm	0.5312 ppm	0.9320 ppm	0.9078 ppm	0.9393 ppm	0.1146 ppm	0.4534 ppm
Concentration per Run	0.1072 ppm	0.5310 ppm	0.9366 ppm	0.9068 ppm	0.9387 ppm	0.1140 ppm	0.4551 ppm
Concentration per Run	0.1085 ppm	0.5321 ppm	0.9292 ppm	0.9101 ppm	0.9420 ppm	0.1159 ppm	0.4535 ppm
Concentration per Run	0.1095 ppm	0.5303 ppm	0.9302 ppm	0.9065 ppm	0.9374 ppm	0.1141 ppm	0.4517 ppm
Concentration RSD	1.1 %	0.2 %	0.4 %	0.2 %	0.3 %	0.9 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4376 ppm	101.2824 %	102.4350 %	99.1353 %	99.6161 %	100.9130 %	99.1286 %
Concentration per Run	0.4387 ppm	101.0255 %	101.9976 %	98.8573 %	99.4033 %	100.1491 %	98.5866 %
Concentration per Run	0.4379 ppm	101.1948 %	102.2100 %	98.5985 %	99.6309 %	101.1872 %	98.7939 %
Concentration per Run	0.4362 ppm	101.6267 %	103.0974 %	99.9500 %	99.8142 %	101.4027 %	100.0054 %
Concentration RSD	0.3 %	0.3 %	0.6 %	0.7 %	0.2 %	0.7 %	0.8 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: LDR 5 As pass
Analysis started at: 11/26/2025 11:12:07 AM
Comment <Comment>
Rack Number 1
Vial Numbers 33

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0008 ppm	0.0039 ppm	4.8029 ppm	0.0021 ppm	-0.0001 ppm	0.0000 ppm	0.0130 ppm
Concentration per Run	-0.0009 ppm	0.0042 ppm	4.8187 ppm	0.0008 ppm	-0.0001 ppm	0.0001 ppm	0.0150 ppm
Concentration per Run	-0.0009 ppm	-0.0015 ppm	4.8112 ppm	0.0026 ppm	0.0000 ppm	0.0000 ppm	0.0149 ppm
Concentration per Run	-0.0006 ppm	0.0089 ppm	4.7787 ppm	0.0029 ppm	-0.0001 ppm	0.0000 ppm	0.0093 ppm
Concentration RSD	19.3 %	133.4 %	0.4 %	54.4 %	57.7 %	63.1 %	25.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0040 ppm	-0.0095 ppm	0.0010 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	-0.0004 ppm	0.0000 ppm	0.0045 ppm	0.0207 ppm	0.0019 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	-0.0003 ppm	0.0000 ppm	0.0039 ppm	-0.0145 ppm	0.0012 ppm
Concentration per Run	0.0001 ppm	-0.0001 ppm	0.0005 ppm	0.0003 ppm	0.0037 ppm	-0.0346 ppm	-0.0001 ppm
Concentration RSD	8.1 %	351.3 %	543.2 %	171.0 %	9.9 %	295.9 %	104.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0013 ppm	0.0000 ppm	0.0004 ppm	0.0145 ppm	0.0002 ppm	0.0000 ppm	-0.0044 ppm
Concentration per Run	0.0012 ppm	0.0001 ppm	0.0008 ppm	0.0129 ppm	-0.0001 ppm	-0.0001 ppm	-0.0075 ppm
Concentration per Run	0.0011 ppm	-0.0001 ppm	0.0001 ppm	0.0189 ppm	-0.0003 ppm	-0.0008 ppm	-0.0059 ppm
Concentration per Run	0.0017 ppm	-0.0001 ppm	0.0005 ppm	0.0116 ppm	0.0011 ppm	0.0010 ppm	0.0002 ppm
Concentration RSD	26.8 %	432.6 %	75.0 %	26.9 %	321.6 %	2,014.9 %	92.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0029 ppm	0.0068 ppm	0.0001 ppm	0.0000 ppm	0.0004 ppm	0.0023 ppm	0.0001 ppm
Concentration per Run	0.0050 ppm	0.0076 ppm	0.0006 ppm	0.0000 ppm	0.0007 ppm	0.0018 ppm	-0.0001 ppm
Concentration per Run	0.0000 ppm	0.0050 ppm	-0.0004 ppm	0.0000 ppm	0.0001 ppm	0.0029 ppm	0.0000 ppm
Concentration per Run	0.0038 ppm	0.0077 ppm	0.0002 ppm	0.0000 ppm	0.0003 ppm	0.0021 ppm	0.0004 ppm
Concentration RSD	88.2 %	23.1 %	460.6 %	148.1 %	86.8 %	25.4 %	270.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0005 ppm	104.5566 %	104.5219 %	104.4420 %	102.8483 %	102.7330 %	102.7909 %
Concentration per Run	0.0006 ppm	104.6022 %	105.4500 %	104.3949 %	102.8529 %	103.9076 %	102.7811 %
Concentration per Run	0.0005 ppm	104.8037 %	104.0268 %	104.0905 %	103.0202 %	102.8910 %	102.6316 %
Concentration per Run	0.0004 ppm	104.2640 %	104.0888 %	104.8406 %	102.6718 %	101.4003 %	102.9602 %
Concentration RSD	19.9 %	0.3 %	0.8 %	0.4 %	0.2 %	1.2 %	0.2 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2572664-06D2 WG2145675
Analysis started at: 11/26/2025 11:23:37 AM
Comment <Comment>
Rack Number 1
Vial Numbers 23

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0012 ppm	35.4647 ppm	0.3195 ppm	0.0523 ppm	0.5119 ppm	0.0022 ppm	141.9958 ppm
Concentration per Run	0.0011 ppm	35.4755 ppm	0.3186 ppm	0.0509 ppm	0.5097 ppm	0.0022 ppm	142.0666 ppm
Concentration per Run	0.0015 ppm	35.5353 ppm	0.3180 ppm	0.0528 ppm	0.5155 ppm	0.0023 ppm	142.0506 ppm
Concentration per Run	0.0011 ppm	35.3833 ppm	0.3217 ppm	0.0533 ppm	0.5106 ppm	0.0022 ppm	141.8703 ppm
Concentration RSD	19.6 %	0.2 %	0.6 %	2.5 %	0.6 %	1.6 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0039 ppm	0.0303 ppm	0.0648 ppm	0.1665 ppm	81.2945 ppm	4.6454 ppm	0.0571 ppm
Concentration per Run	0.0040 ppm	0.0307 ppm	0.0645 ppm	0.1654 ppm	81.1436 ppm	4.6408 ppm	0.0556 ppm
Concentration per Run	0.0038 ppm	0.0300 ppm	0.0654 ppm	0.1674 ppm	81.5334 ppm	4.6534 ppm	0.0602 ppm
Concentration per Run	0.0038 ppm	0.0303 ppm	0.0645 ppm	0.1667 ppm	81.2065 ppm	4.6420 ppm	0.0555 ppm
Concentration RSD	2.5 %	1.2 %	0.9 %	0.6 %	0.3 %	0.1 %	4.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	47.0497 ppm	5.1885 ppm	0.0023 ppm	1.0503 ppm	0.0719 ppm	0.2512 ppm	0.0018 ppm
Concentration per Run	46.8685 ppm	5.1867 ppm	0.0021 ppm	1.0416 ppm	0.0726 ppm	0.2512 ppm	0.0002 ppm
Concentration per Run	47.0856 ppm	5.2107 ppm	0.0023 ppm	1.0571 ppm	0.0711 ppm	0.2511 ppm	0.0025 ppm
Concentration per Run	47.1952 ppm	5.1680 ppm	0.0024 ppm	1.0521 ppm	0.0721 ppm	0.2512 ppm	0.0029 ppm
Concentration RSD	0.4 %	0.4 %	6.5 %	0.7 %	1.0 %	0.0 %	78.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0050 ppm	5.9437 ppm	0.0228 ppm	0.3073 ppm	0.3771 ppm	0.0003 ppm	0.0713 ppm
Concentration per Run	0.0051 ppm	5.9066 ppm	0.0229 ppm	0.3055 ppm	0.3753 ppm	-0.0007 ppm	0.0704 ppm
Concentration per Run	0.0070 ppm	5.9724 ppm	0.0231 ppm	0.3092 ppm	0.3782 ppm	0.0011 ppm	0.0722 ppm
Concentration per Run	0.0030 ppm	5.9521 ppm	0.0225 ppm	0.3072 ppm	0.3778 ppm	0.0007 ppm	0.0712 ppm
Concentration RSD	40.3 %	0.6 %	1.3 %	0.6 %	0.4 %	273.7 %	1.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.9618 ppm	99.3521 %	104.8931 %	94.5103 %	104.7885 %	112.1747 %	106.2085 %
Concentration per Run	0.9517 ppm	99.6937 %	104.6832 %	94.1108 %	104.5400 %	111.9917 %	105.8227 %
Concentration per Run	0.9716 ppm	99.0115 %	105.0192 %	94.3337 %	105.0407 %	112.4302 %	106.0955 %
Concentration per Run	0.9622 ppm	99.3510 %	104.9768 %	95.0862 %	104.7849 %	112.1022 %	106.7072 %
Concentration RSD	1.0 %	0.3 %	0.2 %	0.5 %	0.2 %	0.2 %	0.4 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2572664-07D2 WG2145675
Analysis started at: 11/26/2025 11:25:53 AM
Comment <Comment>
Rack Number 1
Vial Numbers 24

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0007 ppm	28.1296 ppm	0.2425 ppm	0.0346 ppm	0.3585 ppm	0.0019 ppm	107.0636 ppm
Concentration per Run	0.0003 ppm	28.2587 ppm	0.2434 ppm	0.0360 ppm	0.3610 ppm	0.0020 ppm	106.8183 ppm
Concentration per Run	0.0012 ppm	28.0285 ppm	0.2419 ppm	0.0334 ppm	0.3579 ppm	0.0020 ppm	106.6004 ppm
Concentration per Run	0.0006 ppm	28.1015 ppm	0.2421 ppm	0.0343 ppm	0.3565 ppm	0.0019 ppm	107.7723 ppm
Concentration RSD	63.3 %	0.4 %	0.3 %	3.8 %	0.6 %	1.6 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0033 ppm	0.0296 ppm	0.0528 ppm	0.1404 ppm	89.7198 ppm	3.1764 ppm	0.0511 ppm
Concentration per Run	0.0031 ppm	0.0291 ppm	0.0530 ppm	0.1404 ppm	89.6214 ppm	3.1785 ppm	0.0525 ppm
Concentration per Run	0.0032 ppm	0.0298 ppm	0.0525 ppm	0.1409 ppm	89.5616 ppm	3.1564 ppm	0.0501 ppm
Concentration per Run	0.0034 ppm	0.0299 ppm	0.0529 ppm	0.1397 ppm	89.9764 ppm	3.1942 ppm	0.0509 ppm
Concentration RSD	3.5 %	1.5 %	0.5 %	0.4 %	0.2 %	0.6 %	2.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	45.3566 ppm	2.6114 ppm	0.0025 ppm	0.8397 ppm	0.0707 ppm	0.2264 ppm	-0.0015 ppm
Concentration per Run	45.3698 ppm	2.6068 ppm	0.0023 ppm	0.8343 ppm	0.0702 ppm	0.2282 ppm	-0.0013 ppm
Concentration per Run	45.2074 ppm	2.6124 ppm	0.0021 ppm	0.8376 ppm	0.0703 ppm	0.2247 ppm	-0.0004 ppm
Concentration per Run	45.4926 ppm	2.6149 ppm	0.0032 ppm	0.8473 ppm	0.0715 ppm	0.2262 ppm	-0.0027 ppm
Concentration RSD	0.3 %	0.2 %	24.2 %	0.8 %	1.0 %	0.8 %	77.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0068 ppm	4.4064 ppm	0.0822 ppm	0.2084 ppm	0.2906 ppm	0.0011 ppm	0.0580 ppm
Concentration per Run	0.0103 ppm	4.4040 ppm	0.0819 ppm	0.2083 ppm	0.2897 ppm	0.0003 ppm	0.0580 ppm
Concentration per Run	0.0054 ppm	4.4055 ppm	0.0812 ppm	0.2087 ppm	0.2906 ppm	0.0017 ppm	0.0583 ppm
Concentration per Run	0.0049 ppm	4.4096 ppm	0.0835 ppm	0.2083 ppm	0.2914 ppm	0.0015 ppm	0.0577 ppm
Concentration RSD	44.1 %	0.1 %	1.4 %	0.1 %	0.3 %	62.8 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.9080 ppm	99.7732 %	106.0303 %	95.1323 %	104.7316 %	111.0172 %	105.2225 %
Concentration per Run	0.9079 ppm	99.9440 %	106.3097 %	94.8205 %	105.1058 %	111.2291 %	104.9717 %
Concentration per Run	0.9071 ppm	100.2362 %	106.2848 %	95.0940 %	104.7993 %	110.6514 %	105.2377 %
Concentration per Run	0.9090 ppm	99.1394 %	105.4964 %	95.4825 %	104.2897 %	111.1710 %	105.4580 %
Concentration RSD	0.1 %	0.6 %	0.4 %	0.3 %	0.4 %	0.3 %	0.2 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2572664-08D2 WG2145675
Analysis started at: 11/26/2025 11:28:03 AM
Comment <Comment>
Rack Number 1
Vial Numbers 25

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0026 ppm	64.7998 ppm	0.8187 ppm	0.0822 ppm	0.9525 ppm	0.0050 ppm	68.3691 ppm
Concentration per Run	0.0026 ppm	64.3730 ppm	0.8182 ppm	0.0814 ppm	0.9450 ppm	0.0049 ppm	67.8679 ppm
Concentration per Run	0.0026 ppm	64.8720 ppm	0.8205 ppm	0.0806 ppm	0.9549 ppm	0.0050 ppm	68.5775 ppm
Concentration per Run	0.0027 ppm	65.1543 ppm	0.8173 ppm	0.0845 ppm	0.9577 ppm	0.0050 ppm	68.6620 ppm
Concentration RSD	2.2 %	0.6 %	0.2 %	2.5 %	0.7 %	0.9 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0083 ppm	0.0572 ppm	0.1074 ppm	0.4960 ppm	140.7911 ppm	9.1602 ppm	0.0912 ppm
Concentration per Run	0.0084 ppm	0.0569 ppm	0.1073 ppm	0.4958 ppm	139.7380 ppm	9.0807 ppm	0.0917 ppm
Concentration per Run	0.0082 ppm	0.0576 ppm	0.1065 ppm	0.4946 ppm	140.9160 ppm	9.1417 ppm	0.0922 ppm
Concentration per Run	0.0084 ppm	0.0569 ppm	0.1085 ppm	0.4976 ppm	141.7192 ppm	9.2582 ppm	0.0898 ppm
Concentration RSD	1.4 %	0.8 %	1.0 %	0.3 %	0.7 %	1.0 %	1.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	23.1086 ppm	6.2758 ppm	0.0036 ppm	0.6420 ppm	0.1528 ppm	1.1757 ppm	0.0013 ppm
Concentration per Run	23.1372 ppm	6.2364 ppm	0.0044 ppm	0.6281 ppm	0.1530 ppm	1.1768 ppm	0.0017 ppm
Concentration per Run	23.0757 ppm	6.2939 ppm	0.0031 ppm	0.6493 ppm	0.1523 ppm	1.1827 ppm	0.0002 ppm
Concentration per Run	23.1129 ppm	6.2969 ppm	0.0035 ppm	0.6485 ppm	0.1533 ppm	1.1675 ppm	0.0020 ppm
Concentration RSD	0.1 %	0.5 %	18.2 %	1.9 %	0.3 %	0.7 %	72.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0079 ppm	9.6843 ppm	0.1225 ppm	0.2113 ppm	0.5152 ppm	-0.0007 ppm	0.1464 ppm
Concentration per Run	0.0070 ppm	9.7056 ppm	0.1214 ppm	0.2089 ppm	0.5155 ppm	-0.0012 ppm	0.1465 ppm
Concentration per Run	0.0076 ppm	9.6521 ppm	0.1208 ppm	0.2122 ppm	0.5140 ppm	-0.0009 ppm	0.1455 ppm
Concentration per Run	0.0091 ppm	9.6952 ppm	0.1253 ppm	0.2127 ppm	0.5161 ppm	-0.0001 ppm	0.1473 ppm
Concentration RSD	13.9 %	0.3 %	2.0 %	1.0 %	0.2 %	77.0 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	2.3067 ppm	102.3805 %	106.7681 %	96.7868 %	119.8219 %	126.3584 %	120.6406 %
Concentration per Run	2.3093 ppm	102.2292 %	107.6641 %	96.8533 %	119.7532 %	126.6795 %	120.7839 %
Concentration per Run	2.2924 ppm	102.9879 %	107.1137 %	96.5362 %	120.2597 %	126.9870 %	120.8528 %
Concentration per Run	2.3184 ppm	101.9243 %	105.5266 %	96.9709 %	119.4527 %	125.4088 %	120.2851 %
Concentration RSD	0.6 %	0.5 %	1.0 %	0.2 %	0.3 %	0.7 %	0.3 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2572664-09D2 WG2145675
Analysis started at: 11/26/2025 11:30:12 AM
Comment <Comment>
Rack Number 1
Vial Numbers 26

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0022 ppm	59.3304 ppm	0.7371 ppm	0.0701 ppm	0.8520 ppm	0.0045 ppm	56.1083 ppm
Concentration per Run	0.0015 ppm	59.4160 ppm	0.7354 ppm	0.0722 ppm	0.8526 ppm	0.0045 ppm	56.1601 ppm
Concentration per Run	0.0023 ppm	59.3359 ppm	0.7379 ppm	0.0689 ppm	0.8508 ppm	0.0044 ppm	56.0969 ppm
Concentration per Run	0.0028 ppm	59.2393 ppm	0.7381 ppm	0.0691 ppm	0.8527 ppm	0.0045 ppm	56.0679 ppm
Concentration RSD	30.6 %	0.1 %	0.2 %	2.7 %	0.1 %	0.4 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0079 ppm	0.0504 ppm	0.0979 ppm	0.4468 ppm	124.9560 ppm	7.8137 ppm	0.0828 ppm
Concentration per Run	0.0080 ppm	0.0509 ppm	0.0990 ppm	0.4478 ppm	125.1776 ppm	7.8600 ppm	0.0829 ppm
Concentration per Run	0.0079 ppm	0.0497 ppm	0.0978 ppm	0.4478 ppm	124.8032 ppm	7.8093 ppm	0.0841 ppm
Concentration per Run	0.0079 ppm	0.0507 ppm	0.0969 ppm	0.4447 ppm	124.8873 ppm	7.7718 ppm	0.0814 ppm
Concentration RSD	0.7 %	1.3 %	1.1 %	0.4 %	0.2 %	0.6 %	1.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	19.8895 ppm	5.3386 ppm	0.0034 ppm	0.6362 ppm	0.1351 ppm	1.0693 ppm	0.0002 ppm
Concentration per Run	19.9479 ppm	5.3448 ppm	0.0031 ppm	0.6333 ppm	0.1340 ppm	1.0700 ppm	-0.0022 ppm
Concentration per Run	19.9052 ppm	5.3304 ppm	0.0039 ppm	0.6371 ppm	0.1356 ppm	1.0711 ppm	-0.0003 ppm
Concentration per Run	19.8155 ppm	5.3406 ppm	0.0030 ppm	0.6382 ppm	0.1356 ppm	1.0667 ppm	0.0032 ppm
Concentration RSD	0.3 %	0.1 %	13.3 %	0.4 %	0.7 %	0.2 %	1,197.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0058 ppm	8.7256 ppm	0.1161 ppm	0.1802 ppm	0.4779 ppm	-0.0001 ppm	0.1291 ppm
Concentration per Run	0.0017 ppm	8.7747 ppm	0.1170 ppm	0.1806 ppm	0.4772 ppm	0.0011 ppm	0.1306 ppm
Concentration per Run	0.0106 ppm	8.7047 ppm	0.1160 ppm	0.1799 ppm	0.4778 ppm	0.0001 ppm	0.1290 ppm
Concentration per Run	0.0050 ppm	8.6975 ppm	0.1153 ppm	0.1800 ppm	0.4787 ppm	-0.0016 ppm	0.1279 ppm
Concentration RSD	77.5 %	0.5 %	0.7 %	0.2 %	0.2 %	1,246.1 %	1.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	2.0728 ppm	102.1961 %	106.3953 %	97.1667 %	117.9764 %	124.2689 %	118.6131 %
Concentration per Run	2.0871 ppm	101.0912 %	105.1038 %	96.7706 %	116.9412 %	123.2419 %	118.1341 %
Concentration per Run	2.0722 ppm	102.1754 %	106.1474 %	97.8065 %	118.0383 %	123.6985 %	119.4873 %
Concentration per Run	2.0592 ppm	103.3216 %	107.9347 %	96.9228 %	118.9497 %	125.8664 %	118.2179 %
Concentration RSD	0.7 %	1.1 %	1.3 %	0.6 %	0.9 %	1.1 %	0.6 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2573543-01 WG2146224
Analysis started at: 11/26/2025 11:32:22 AM
Comment <Comment>
Rack Number 1
Vial Numbers 30

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.1056 ppm	-0.0011 ppm	0.0036 ppm	0.0297 ppm	0.0001 ppm	0.2561 ppm
Concentration per Run	0.0002 ppm	0.1098 ppm	0.0013 ppm	0.0028 ppm	0.0295 ppm	0.0001 ppm	0.2539 ppm
Concentration per Run	-0.0005 ppm	0.1074 ppm	-0.0031 ppm	0.0042 ppm	0.0301 ppm	0.0001 ppm	0.2580 ppm
Concentration per Run	0.0000 ppm	0.0997 ppm	-0.0014 ppm	0.0037 ppm	0.0294 ppm	0.0001 ppm	0.2563 ppm
Concentration RSD	325.6 %	5.0 %	202.8 %	19.6 %	1.2 %	13.0 %	0.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0002 ppm	0.0002 ppm	0.0021 ppm	0.0319 ppm	0.3705 ppm	0.0014 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0021 ppm	0.0343 ppm	0.3666 ppm	0.0008 ppm
Concentration per Run	0.0001 ppm	0.0007 ppm	0.0002 ppm	0.0022 ppm	0.0315 ppm	0.3737 ppm	0.0018 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	0.0005 ppm	0.0019 ppm	0.0300 ppm	0.3711 ppm	0.0015 ppm
Concentration RSD	35.3 %	207.5 %	87.0 %	8.4 %	7.0 %	1.0 %	38.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0653 ppm	0.0199 ppm	0.0001 ppm	131.6414 ppm	0.0012 ppm	0.0032 ppm	0.0004 ppm
Concentration per Run	0.0673 ppm	0.0200 ppm	0.0000 ppm	130.9300 ppm	0.0013 ppm	0.0027 ppm	0.0018 ppm
Concentration per Run	0.0655 ppm	0.0200 ppm	0.0000 ppm	133.0231 ppm	0.0009 ppm	0.0038 ppm	0.0001 ppm
Concentration per Run	0.0632 ppm	0.0198 ppm	0.0004 ppm	130.9711 ppm	0.0014 ppm	0.0033 ppm	-0.0006 ppm
Concentration RSD	3.1 %	0.6 %	194.3 %	0.9 %	22.1 %	17.3 %	298.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0035 ppm	0.1844 ppm	0.0011 ppm	0.0061 ppm	0.0001 ppm	0.0007 ppm	0.0002 ppm
Concentration per Run	0.0055 ppm	0.1835 ppm	0.0024 ppm	0.0061 ppm	-0.0004 ppm	0.0004 ppm	0.0003 ppm
Concentration per Run	0.0009 ppm	0.1863 ppm	0.0009 ppm	0.0060 ppm	0.0003 ppm	0.0025 ppm	0.0004 ppm
Concentration per Run	0.0040 ppm	0.1832 ppm	-0.0001 ppm	0.0062 ppm	0.0003 ppm	-0.0007 ppm	-0.0001 ppm
Concentration RSD	67.1 %	0.9 %	120.3 %	1.4 %	495.7 %	222.2 %	118.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0142 ppm	97.1579 %	100.8849 %	94.3965 %	94.6741 %	99.3738 %	96.2197 %
Concentration per Run	0.0145 ppm	96.3941 %	101.4953 %	94.4207 %	94.1516 %	99.8475 %	96.1544 %
Concentration per Run	0.0139 ppm	97.7414 %	100.5594 %	94.6708 %	95.2475 %	99.9424 %	96.5334 %
Concentration per Run	0.0142 ppm	97.3382 %	100.5999 %	94.0979 %	94.6232 %	98.3316 %	95.9713 %
Concentration RSD	2.1 %	0.7 %	0.5 %	0.3 %	0.6 %	0.9 %	0.3 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2146224-3 WG2146224
Analysis started at: 11/26/2025 11:34:32 AM
Comment <Comment>
Rack Number 1
Vial Numbers 31

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0428 ppm	1.9044 ppm	0.1161 ppm	0.9399 ppm	1.7933 ppm	0.0452 ppm	9.8805 ppm
Concentration per Run	0.0424 ppm	1.9150 ppm	0.1165 ppm	0.9360 ppm	1.7841 ppm	0.0452 ppm	9.8776 ppm
Concentration per Run	0.0435 ppm	1.9072 ppm	0.1171 ppm	0.9466 ppm	1.8049 ppm	0.0455 ppm	9.9413 ppm
Concentration per Run	0.0426 ppm	1.8911 ppm	0.1145 ppm	0.9370 ppm	1.7910 ppm	0.0450 ppm	9.8224 ppm
Concentration RSD	1.4 %	0.6 %	1.2 %	0.6 %	0.6 %	0.6 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0502 ppm	0.4391 ppm	0.1773 ppm	0.2225 ppm	0.9224 ppm	10.3234 ppm	0.9751 ppm
Concentration per Run	0.0498 ppm	0.4376 ppm	0.1774 ppm	0.2214 ppm	0.9189 ppm	10.2998 ppm	0.9608 ppm
Concentration per Run	0.0508 ppm	0.4416 ppm	0.1793 ppm	0.2242 ppm	0.9325 ppm	10.3738 ppm	0.9708 ppm
Concentration per Run	0.0500 ppm	0.4382 ppm	0.1752 ppm	0.2220 ppm	0.9159 ppm	10.2967 ppm	0.9936 ppm
Concentration RSD	1.1 %	0.5 %	1.1 %	0.7 %	1.0 %	0.4 %	1.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	9.1504 ppm	0.4591 ppm	0.9621 ppm	138.7330 ppm	0.4463 ppm	0.5031 ppm	0.4789 ppm
Concentration per Run	9.1381 ppm	0.4595 ppm	0.9607 ppm	138.4428 ppm	0.4442 ppm	0.5032 ppm	0.4800 ppm
Concentration per Run	9.1492 ppm	0.4612 ppm	0.9634 ppm	139.3938 ppm	0.4484 ppm	0.5065 ppm	0.4761 ppm
Concentration per Run	9.1640 ppm	0.4565 ppm	0.9623 ppm	138.3623 ppm	0.4462 ppm	0.4995 ppm	0.4806 ppm
Concentration RSD	0.1 %	0.5 %	0.1 %	0.4 %	0.5 %	0.7 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1163 ppm	0.7096 ppm	0.9418 ppm	0.9153 ppm	0.9610 ppm	0.1123 ppm	0.4626 ppm
Concentration per Run	0.1178 ppm	0.7079 ppm	0.9411 ppm	0.9089 ppm	0.9602 ppm	0.1123 ppm	0.4605 ppm
Concentration per Run	0.1158 ppm	0.7081 ppm	0.9456 ppm	0.9211 ppm	0.9634 ppm	0.1128 ppm	0.4645 ppm
Concentration per Run	0.1154 ppm	0.7129 ppm	0.9386 ppm	0.9161 ppm	0.9594 ppm	0.1120 ppm	0.4626 ppm
Concentration RSD	1.1 %	0.4 %	0.4 %	0.7 %	0.2 %	0.4 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4676 ppm	98.1123 %	101.5182 %	94.7926 %	95.1534 %	99.4204 %	96.6610 %
Concentration per Run	0.4658 ppm	98.1533 %	101.5465 %	95.0970 %	94.8966 %	99.8416 %	97.1400 %
Concentration per Run	0.4712 ppm	97.8657 %	100.8232 %	94.5312 %	95.0714 %	99.3028 %	96.4380 %
Concentration per Run	0.4660 ppm	98.3179 %	102.1850 %	94.7496 %	95.4921 %	99.1168 %	96.4050 %
Concentration RSD	0.7 %	0.2 %	0.7 %	0.3 %	0.3 %	0.4 %	0.4 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2146224-4 WG2146224
Analysis started at: 11/26/2025 11:36:41 AM
Comment <Comment>
Rack Number 1
Vial Numbers 32

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0003 ppm	0.1070 ppm	0.0007 ppm	0.0049 ppm	0.0289 ppm	0.0000 ppm	0.2433 ppm
Concentration per Run	-0.0006 ppm	0.0991 ppm	0.0011 ppm	0.0050 ppm	0.0288 ppm	0.0000 ppm	0.2441 ppm
Concentration per Run	0.0000 ppm	0.1118 ppm	-0.0005 ppm	0.0041 ppm	0.0289 ppm	0.0001 ppm	0.2418 ppm
Concentration per Run	-0.0003 ppm	0.1103 ppm	0.0015 ppm	0.0057 ppm	0.0291 ppm	0.0000 ppm	0.2441 ppm
Concentration RSD	100.0 %	6.5 %	155.1 %	15.9 %	0.6 %	60.3 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0005 ppm	0.0001 ppm	0.0026 ppm	0.0260 ppm	0.3570 ppm	0.0017 ppm
Concentration per Run	0.0003 ppm	0.0004 ppm	0.0001 ppm	0.0024 ppm	0.0258 ppm	0.3840 ppm	0.0014 ppm
Concentration per Run	0.0001 ppm	0.0007 ppm	0.0003 ppm	0.0031 ppm	0.0252 ppm	0.3471 ppm	0.0023 ppm
Concentration per Run	0.0001 ppm	0.0005 ppm	0.0000 ppm	0.0022 ppm	0.0270 ppm	0.3400 ppm	0.0013 ppm
Concentration RSD	63.0 %	26.9 %	116.9 %	17.4 %	3.5 %	6.6 %	31.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0651 ppm	0.0195 ppm	0.0006 ppm	128.3957 ppm	0.0012 ppm	0.0030 ppm	0.0015 ppm
Concentration per Run	0.0650 ppm	0.0194 ppm	0.0010 ppm	127.0830 ppm	0.0011 ppm	0.0020 ppm	0.0011 ppm
Concentration per Run	0.0635 ppm	0.0196 ppm	0.0003 ppm	128.9809 ppm	0.0019 ppm	0.0026 ppm	0.0016 ppm
Concentration per Run	0.0669 ppm	0.0196 ppm	0.0005 ppm	129.1232 ppm	0.0007 ppm	0.0044 ppm	0.0019 ppm
Concentration RSD	2.6 %	0.6 %	63.2 %	0.9 %	47.5 %	41.8 %	28.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0003 ppm	0.1557 ppm	-0.0003 ppm	0.0059 ppm	0.0006 ppm	0.0003 ppm	0.0000 ppm
Concentration per Run	-0.0004 ppm	0.1541 ppm	-0.0004 ppm	0.0060 ppm	0.0005 ppm	0.0005 ppm	0.0001 ppm
Concentration per Run	-0.0002 ppm	0.1562 ppm	0.0002 ppm	0.0058 ppm	0.0004 ppm	-0.0001 ppm	-0.0001 ppm
Concentration per Run	0.0017 ppm	0.1569 ppm	-0.0008 ppm	0.0059 ppm	0.0008 ppm	0.0005 ppm	0.0000 ppm
Concentration RSD	342.8 %	1.0 %	154.5 %	1.3 %	34.0 %	117.8 %	12,021.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0149 ppm	97.8298 %	103.0084 %	94.9779 %	95.1785 %	100.3990 %	96.6609 %
Concentration per Run	0.0148 ppm	98.3716 %	103.3070 %	95.0751 %	95.7045 %	100.1906 %	96.8131 %
Concentration per Run	0.0148 ppm	98.1873 %	103.3285 %	95.2539 %	95.3293 %	100.5427 %	97.0180 %
Concentration per Run	0.0150 ppm	96.9306 %	102.3897 %	94.6047 %	94.5017 %	100.4638 %	96.1516 %
Concentration RSD	0.8 %	0.8 %	0.5 %	0.4 %	0.6 %	0.2 %	0.5 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: CCV
Analysis started at: 11/26/2025 11:38:51 AM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5024 ppm	0.4916 ppm	0.4803 ppm	0.5021 ppm	0.5002 ppm	0.5082 ppm	0.5095 ppm
Concentration per Run	0.5004 ppm	0.5043 ppm	0.4801 ppm	0.5013 ppm	0.5006 ppm	0.5100 ppm	0.5116 ppm
Concentration per Run	0.5007 ppm	0.4844 ppm	0.4784 ppm	0.4962 ppm	0.5008 ppm	0.5072 ppm	0.5096 ppm
Concentration per Run	0.5059 ppm	0.4861 ppm	0.4823 ppm	0.5089 ppm	0.4991 ppm	0.5074 ppm	0.5073 ppm
Recovery Percentage	100.471 %	98.323 %	96.052 %	100.427 %	100.036 %	101.643 %	101.900 %
Concentration RSD	0.6 %	2.2 %	0.4 %	1.3 %	0.2 %	0.3 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5103 ppm	0.5173 ppm	0.5075 ppm	0.5163 ppm	0.5073 ppm	5.2772 ppm	0.5065 ppm
Concentration per Run	0.5070 ppm	0.5161 ppm	0.5055 ppm	0.5157 ppm	0.5091 ppm	5.2968 ppm	0.5004 ppm
Concentration per Run	0.5074 ppm	0.5152 ppm	0.5025 ppm	0.5126 ppm	0.5034 ppm	5.3015 ppm	0.5114 ppm
Concentration per Run	0.5164 ppm	0.5207 ppm	0.5145 ppm	0.5208 ppm	0.5095 ppm	5.2332 ppm	0.5077 ppm
Recovery Percentage	102.055 %	103.468 %	101.500 %	103.268 %	101.464 %	105.544 %	101.298 %
Concentration RSD	1.0 %	0.6 %	1.2 %	0.8 %	0.7 %	0.7 %	1.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5072 ppm	0.5120 ppm	0.4982 ppm	10.1950 ppm	0.5204 ppm	0.5062 ppm	0.5202 ppm
Concentration per Run	0.5047 ppm	0.5141 ppm	0.4964 ppm	10.0901 ppm	0.5186 ppm	0.5059 ppm	0.5213 ppm
Concentration per Run	0.5100 ppm	0.5114 ppm	0.4952 ppm	10.2537 ppm	0.5189 ppm	0.5057 ppm	0.5180 ppm
Concentration per Run	0.5067 ppm	0.5105 ppm	0.5031 ppm	10.2411 ppm	0.5235 ppm	0.5069 ppm	0.5213 ppm
Recovery Percentage	101.431 %	102.400 %	99.642 %	101.950 %	104.071 %	101.237 %	104.042 %
Concentration RSD	0.5 %	0.4 %	0.9 %	0.9 %	0.5 %	0.1 %	0.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4910 ppm	5.4451 ppm	0.5022 ppm	0.4918 ppm	0.5044 ppm	0.5171 ppm	0.5121 ppm
Concentration per Run	0.4911 ppm	5.4125 ppm	0.4980 ppm	0.4901 ppm	0.5048 ppm	0.5165 ppm	0.5110 ppm
Concentration per Run	0.4918 ppm	5.4164 ppm	0.4999 ppm	0.4937 ppm	0.5030 ppm	0.5194 ppm	0.5091 ppm
Concentration per Run	0.4900 ppm	5.5063 ppm	0.5088 ppm	0.4917 ppm	0.5054 ppm	0.5154 ppm	0.5160 ppm
Recovery Percentage	98.195 %	103.716 %	100.446 %	98.360 %	100.881 %	103.417 %	102.414 %
Concentration RSD	0.2 %	1.0 %	1.1 %	0.4 %	0.3 %	0.4 %	0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5153 ppm	103.0026 %	103.2737 %	102.8112 %	100.6810 %	101.8410 %	101.2483 %
Concentration per Run	0.5119 ppm	103.1217 %	102.6563 %	102.4773 %	101.0057 %	101.7250 %	101.0949 %
Concentration per Run	0.5115 ppm	103.1030 %	102.8300 %	103.5902 %	100.1818 %	101.4657 %	101.7188 %
Concentration per Run	0.5224 ppm	102.7831 %	104.3349 %	102.3660 %	100.8555 %	102.3324 %	100.9311 %
Recovery Percentage	103.053 %						
Concentration RSD	1.2 %	0.2 %	0.9 %	0.7 %	0.4 %	0.4 %	0.4 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: CCB
Analysis started at: 11/26/2025 11:41:00 AM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0003 ppm	0.0028 ppm	-0.0012 ppm	0.0013 ppm	0.0000 ppm	0.0001 ppm	0.0029 ppm
Concentration per Run	-0.0002 ppm	0.0041 ppm	-0.0028 ppm	0.0019 ppm	-0.0002 ppm	0.0000 ppm	0.0019 ppm
Concentration per Run	-0.0009 ppm	0.0016 ppm	-0.0003 ppm	0.0004 ppm	0.0000 ppm	0.0001 ppm	0.0016 ppm
Concentration per Run	0.0001 ppm	0.0028 ppm	-0.0005 ppm	0.0016 ppm	0.0001 ppm	0.0001 ppm	0.0051 ppm
Recovery Percentage	-4.528 %	2.826 %	-23.460 %	4.264 %	-0.354 %	1.275 %	2.860 %
Concentration RSD	164.3 %	44.2 %	117.7 %	63.8 %	328.7 %	48.0 %	67.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0001 ppm	-0.0002 ppm	0.0002 ppm	0.0019 ppm	-0.0145 ppm	0.0006 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	0.0002 ppm	-0.0001 ppm	0.0008 ppm	-0.0099 ppm	0.0021 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	-0.0002 ppm	0.0007 ppm	0.0018 ppm	-0.0301 ppm	0.0011 ppm
Concentration per Run	0.0001 ppm	-0.0001 ppm	-0.0005 ppm	0.0001 ppm	0.0032 ppm	-0.0036 ppm	-0.0015 ppm
Recovery Percentage	0.758 %	-0.269 %	-1.648 %	2.427 %	3.866 %	-0.581 %	11.445 %
Concentration RSD	140.1 %	234.8 %	200.9 %	163.3 %	63.2 %	95.5 %	325.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0011 ppm	-0.0001 ppm	0.0004 ppm	0.0207 ppm	0.0007 ppm	-0.0008 ppm	0.0017 ppm
Concentration per Run	0.0005 ppm	-0.0001 ppm	0.0002 ppm	0.0254 ppm	0.0007 ppm	-0.0006 ppm	0.0041 ppm
Concentration per Run	0.0007 ppm	-0.0001 ppm	0.0000 ppm	0.0154 ppm	0.0009 ppm	-0.0007 ppm	0.0013 ppm
Concentration per Run	0.0023 ppm	0.0000 ppm	0.0009 ppm	0.0212 ppm	0.0006 ppm	-0.0012 ppm	-0.0004 ppm
Recovery Percentage	1.147 %	-0.587 %	0.708 %	1.035 %	2.890 %	-8.279 %	3.396 %
Concentration RSD	86.6 %	116.1 %	134.7 %	24.3 %	20.6 %	41.3 %	133.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0020 ppm	0.0055 ppm	0.0007 ppm	0.0000 ppm	0.0001 ppm	0.0024 ppm	0.0000 ppm
Concentration per Run	0.0016 ppm	0.0050 ppm	0.0008 ppm	0.0000 ppm	-0.0002 ppm	0.0036 ppm	-0.0002 ppm
Concentration per Run	0.0038 ppm	0.0063 ppm	0.0002 ppm	-0.0001 ppm	0.0001 ppm	0.0024 ppm	0.0000 ppm
Concentration per Run	0.0006 ppm	0.0053 ppm	0.0011 ppm	0.0000 ppm	0.0003 ppm	0.0013 ppm	0.0002 ppm
Recovery Percentage	20.219 %	1.106 %	1.424 %	-0.436 %	0.616 %	12.247 %	-0.108 %
Concentration RSD	81.5 %	12.6 %	66.2 %	17.3 %	450.2 %	45.2 %	2,123.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0002 ppm	101.3298 %	101.3481 %	101.0739 %	101.3336 %	101.7110 %	101.0574 %
Concentration per Run	0.0002 ppm	100.7889 %	101.0150 %	101.8218 %	100.7941 %	101.6585 %	101.5437 %
Concentration per Run	-0.0005 ppm	101.4264 %	102.0466 %	101.0136 %	101.6128 %	101.8701 %	100.9498 %
Concentration per Run	-0.0002 ppm	101.7741 %	100.9826 %	100.3864 %	101.5939 %	101.6042 %	100.6787 %
Recovery Percentage	-3.640 %						
Concentration RSD	194.2 %	0.5 %	0.6 %	0.7 %	0.5 %	0.1 %	0.4 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2146515-2D2 WG2146515
Analysis started at: 11/26/2025 11:45:16 AM
Comment rr rush
Rack Number 1
Vial Numbers 34

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.2742 ppm	20.4329 ppm	0.7356 ppm	1.0779 ppm	0.8913 ppm	1.2305 ppm	19.9329 ppm
Concentration per Run	0.2727 ppm	20.3793 ppm	0.7308 ppm	1.0698 ppm	0.8856 ppm	1.2221 ppm	19.8598 ppm
Concentration per Run	0.2740 ppm	20.4829 ppm	0.7366 ppm	1.0770 ppm	0.8934 ppm	1.2317 ppm	20.0003 ppm
Concentration per Run	0.2759 ppm	20.4364 ppm	0.7393 ppm	1.0868 ppm	0.8949 ppm	1.2376 ppm	19.9388 ppm
Concentration RSD	0.6 %	0.3 %	0.6 %	0.8 %	0.6 %	0.6 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.9675 ppm	0.6512 ppm	0.6590 ppm	1.1889 ppm	24.4009 ppm	9.1198 ppm	0.7926 ppm
Concentration per Run	0.9664 ppm	0.6485 ppm	0.6593 ppm	1.1868 ppm	24.1564 ppm	9.0662 ppm	0.7852 ppm
Concentration per Run	0.9615 ppm	0.6508 ppm	0.6568 ppm	1.1838 ppm	24.5298 ppm	9.1395 ppm	0.7936 ppm
Concentration per Run	0.9746 ppm	0.6542 ppm	0.6610 ppm	1.1960 ppm	24.5166 ppm	9.1538 ppm	0.7990 ppm
Concentration RSD	0.7 %	0.4 %	0.3 %	0.5 %	0.9 %	0.5 %	0.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	8.1978 ppm	1.1114 ppm	0.4660 ppm	6.6583 ppm	0.7914 ppm	0.4892 ppm	0.4575 ppm
Concentration per Run	8.1853 ppm	1.1056 ppm	0.4639 ppm	6.5932 ppm	0.7876 ppm	0.4892 ppm	0.4518 ppm
Concentration per Run	8.1443 ppm	1.1134 ppm	0.4654 ppm	6.7067 ppm	0.7920 ppm	0.4876 ppm	0.4596 ppm
Concentration per Run	8.2636 ppm	1.1153 ppm	0.4688 ppm	6.6751 ppm	0.7944 ppm	0.4909 ppm	0.4610 ppm
Concentration RSD	0.7 %	0.5 %	0.5 %	0.9 %	0.4 %	0.3 %	1.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.6069 ppm	8.3866 ppm	0.7320 ppm	0.7232 ppm	1.7047 ppm	0.9618 ppm	0.6684 ppm
Concentration per Run	0.6070 ppm	8.4504 ppm	0.7286 ppm	0.7172 ppm	1.7047 ppm	0.9600 ppm	0.6651 ppm
Concentration per Run	0.6008 ppm	8.3487 ppm	0.7308 ppm	0.7262 ppm	1.7002 ppm	0.9621 ppm	0.6669 ppm
Concentration per Run	0.6129 ppm	8.3607 ppm	0.7365 ppm	0.7263 ppm	1.7092 ppm	0.9634 ppm	0.6733 ppm
Concentration RSD	1.0 %	0.7 %	0.6 %	0.7 %	0.3 %	0.2 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.7644 ppm	102.1537 %	104.5603 %	99.7040 %	104.1921 %	107.8131 %	105.2462 %
Concentration per Run	1.7610 ppm	101.9141 %	105.1932 %	99.6948 %	103.8006 %	107.7151 %	105.2820 %
Concentration per Run	1.7562 ppm	103.1755 %	104.2193 %	100.2479 %	105.2064 %	107.8321 %	105.6620 %
Concentration per Run	1.7760 ppm	101.3717 %	104.2685 %	99.1694 %	103.5692 %	107.8922 %	104.7944 %
Concentration RSD	0.6 %	0.9 %	0.5 %	0.5 %	0.9 %	0.1 %	0.4 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2146515-3D2 WG2146515
Analysis started at: 11/26/2025 11:47:30 AM
Comment rr rush
Rack Number 1
Vial Numbers 35

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.2414 ppm	18.0549 ppm	0.6513 ppm	0.9414 ppm	0.8080 ppm	1.0607 ppm	17.5613 ppm
Concentration per Run	0.2406 ppm	18.0684 ppm	0.6503 ppm	0.9408 ppm	0.8098 ppm	1.0615 ppm	17.5984 ppm
Concentration per Run	0.2406 ppm	18.1660 ppm	0.6523 ppm	0.9393 ppm	0.8146 ppm	1.0685 ppm	17.6351 ppm
Concentration per Run	0.2432 ppm	17.9303 ppm	0.6513 ppm	0.9441 ppm	0.7995 ppm	1.0522 ppm	17.4504 ppm
Concentration RSD	0.6 %	0.7 %	0.2 %	0.3 %	1.0 %	0.8 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.8051 ppm	0.5741 ppm	0.5856 ppm	1.0506 ppm	22.1439 ppm	7.9889 ppm	0.6939 ppm
Concentration per Run	0.8015 ppm	0.5734 ppm	0.5845 ppm	1.0511 ppm	22.1488 ppm	8.0178 ppm	0.7010 ppm
Concentration per Run	0.8034 ppm	0.5723 ppm	0.5826 ppm	1.0486 ppm	22.3834 ppm	8.0472 ppm	0.6992 ppm
Concentration per Run	0.8105 ppm	0.5767 ppm	0.5895 ppm	1.0521 ppm	21.8996 ppm	7.9018 ppm	0.6816 ppm
Concentration RSD	0.6 %	0.4 %	0.6 %	0.2 %	1.1 %	1.0 %	1.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	7.1984 ppm	1.1069 ppm	0.4145 ppm	6.3096 ppm	0.7023 ppm	0.4327 ppm	0.4322 ppm
Concentration per Run	7.1811 ppm	1.1074 ppm	0.4147 ppm	6.3216 ppm	0.7006 ppm	0.4345 ppm	0.4256 ppm
Concentration per Run	7.2009 ppm	1.1141 ppm	0.4121 ppm	6.3546 ppm	0.7012 ppm	0.4306 ppm	0.4386 ppm
Concentration per Run	7.2133 ppm	1.0991 ppm	0.4166 ppm	6.2525 ppm	0.7052 ppm	0.4331 ppm	0.4325 ppm
Concentration RSD	0.2 %	0.7 %	0.6 %	0.8 %	0.4 %	0.5 %	1.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.5391 ppm	8.0613 ppm	0.6392 ppm	0.6471 ppm	1.5238 ppm	0.7649 ppm	0.6000 ppm
Concentration per Run	0.5344 ppm	8.1426 ppm	0.6350 ppm	0.6482 ppm	1.5207 ppm	0.7643 ppm	0.5994 ppm
Concentration per Run	0.5395 ppm	7.9665 ppm	0.6380 ppm	0.6537 ppm	1.5295 ppm	0.7635 ppm	0.5977 ppm
Concentration per Run	0.5436 ppm	8.0747 ppm	0.6445 ppm	0.6396 ppm	1.5212 ppm	0.7669 ppm	0.6030 ppm
Concentration RSD	0.9 %	1.1 %	0.8 %	1.1 %	0.3 %	0.2 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.5469 ppm	102.3488 %	105.2021 %	99.8573 %	104.1896 %	107.3081 %	104.1776 %
Concentration per Run	1.5428 ppm	102.7235 %	105.5610 %	99.4798 %	104.4683 %	107.9744 %	103.9343 %
Concentration per Run	1.5412 ppm	103.0270 %	104.3248 %	100.0466 %	105.0183 %	107.0338 %	104.1680 %
Concentration per Run	1.5567 ppm	101.2958 %	105.7204 %	100.0456 %	103.0822 %	106.9162 %	104.4306 %
Concentration RSD	0.5 %	0.9 %	0.7 %	0.3 %	1.0 %	0.5 %	0.2 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2572664-10D2 WG2145675
Analysis started at: 11/26/2025 11:49:40 AM
Comment <Comment>
Rack Number 1
Vial Numbers 27

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0026 ppm	51.5482 ppm	0.7933 ppm	0.0686 ppm	0.7656 ppm	0.0041 ppm	47.1094 ppm
Concentration per Run	0.0026 ppm	51.5287 ppm	0.7908 ppm	0.0693 ppm	0.7633 ppm	0.0041 ppm	47.0812 ppm
Concentration per Run	0.0020 ppm	51.3235 ppm	0.7922 ppm	0.0681 ppm	0.7672 ppm	0.0041 ppm	46.9607 ppm
Concentration per Run	0.0031 ppm	51.7923 ppm	0.7969 ppm	0.0684 ppm	0.7662 ppm	0.0041 ppm	47.2864 ppm
Concentration RSD	21.8 %	0.5 %	0.4 %	0.9 %	0.3 %	0.6 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0081 ppm	0.0455 ppm	0.0876 ppm	0.4216 ppm	114.2456 ppm	7.9445 ppm	0.0867 ppm
Concentration per Run	0.0080 ppm	0.0454 ppm	0.0871 ppm	0.4218 ppm	114.3038 ppm	7.9607 ppm	0.0872 ppm
Concentration per Run	0.0082 ppm	0.0456 ppm	0.0888 ppm	0.4221 ppm	114.1328 ppm	7.9207 ppm	0.0851 ppm
Concentration per Run	0.0081 ppm	0.0455 ppm	0.0870 ppm	0.4210 ppm	114.3002 ppm	7.9521 ppm	0.0879 ppm
Concentration RSD	0.9 %	0.2 %	1.1 %	0.1 %	0.1 %	0.3 %	1.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	17.4671 ppm	4.4967 ppm	0.0036 ppm	0.5573 ppm	0.1211 ppm	1.0789 ppm	0.0035 ppm
Concentration per Run	17.4771 ppm	4.4996 ppm	0.0037 ppm	0.5542 ppm	0.1205 ppm	1.0790 ppm	0.0017 ppm
Concentration per Run	17.4677 ppm	4.4828 ppm	0.0038 ppm	0.5552 ppm	0.1229 ppm	1.0771 ppm	0.0024 ppm
Concentration per Run	17.4567 ppm	4.5077 ppm	0.0033 ppm	0.5626 ppm	0.1199 ppm	1.0806 ppm	0.0063 ppm
Concentration RSD	0.1 %	0.3 %	7.3 %	0.8 %	1.3 %	0.2 %	70.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0067 ppm	4.9692 ppm	0.1279 ppm	0.1603 ppm	0.3312 ppm	0.0004 ppm	0.1179 ppm
Concentration per Run	0.0086 ppm	4.9627 ppm	0.1244 ppm	0.1601 ppm	0.3314 ppm	0.0011 ppm	0.1173 ppm
Concentration per Run	0.0045 ppm	4.9837 ppm	0.1312 ppm	0.1603 ppm	0.3301 ppm	0.0007 ppm	0.1188 ppm
Concentration per Run	0.0070 ppm	4.9611 ppm	0.1280 ppm	0.1605 ppm	0.3320 ppm	-0.0005 ppm	0.1175 ppm
Concentration RSD	30.8 %	0.3 %	2.7 %	0.1 %	0.3 %	194.4 %	0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	2.1045 ppm	103.0495 %	107.5227 %	98.2046 %	115.8370 %	122.9303 %	116.8022 %
Concentration per Run	2.1067 ppm	102.8426 %	107.5795 %	97.6946 %	115.5998 %	123.0275 %	116.0503 %
Concentration per Run	2.1121 ppm	102.7047 %	107.7847 %	98.6642 %	115.6065 %	122.7536 %	117.3039 %
Concentration per Run	2.0948 ppm	103.6011 %	107.2038 %	98.2551 %	116.3045 %	123.0098 %	117.0524 %
Concentration RSD	0.4 %	0.5 %	0.3 %	0.5 %	0.3 %	0.1 %	0.6 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: CCV
Analysis started at: 11/26/2025 11:51:49 AM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5018 ppm	0.4921 ppm	0.4748 ppm	0.4993 ppm	0.4981 ppm	0.5066 ppm	0.5079 ppm
Concentration per Run	0.5018 ppm	0.4890 ppm	0.4758 ppm	0.4967 ppm	0.4964 ppm	0.5043 ppm	0.5021 ppm
Concentration per Run	0.5017 ppm	0.4887 ppm	0.4740 ppm	0.4998 ppm	0.4958 ppm	0.5045 ppm	0.5086 ppm
Concentration per Run	0.5019 ppm	0.4985 ppm	0.4744 ppm	0.5013 ppm	0.5019 ppm	0.5110 ppm	0.5129 ppm
Recovery Percentage	100.357 %	98.417 %	94.950 %	99.852 %	99.614 %	101.320 %	101.573 %
Concentration RSD	0.0 %	1.1 %	0.2 %	0.5 %	0.7 %	0.7 %	1.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5094 ppm	0.5162 ppm	0.5099 ppm	0.5169 ppm	0.5075 ppm	5.2224 ppm	0.4915 ppm
Concentration per Run	0.5083 ppm	0.5165 ppm	0.5059 ppm	0.5153 ppm	0.5062 ppm	5.2148 ppm	0.4907 ppm
Concentration per Run	0.5100 ppm	0.5165 ppm	0.5092 ppm	0.5156 ppm	0.5051 ppm	5.1747 ppm	0.4890 ppm
Concentration per Run	0.5098 ppm	0.5158 ppm	0.5146 ppm	0.5199 ppm	0.5112 ppm	5.2776 ppm	0.4949 ppm
Recovery Percentage	101.878 %	103.250 %	101.980 %	103.384 %	101.497 %	104.447 %	98.301 %
Concentration RSD	0.2 %	0.1 %	0.9 %	0.5 %	0.6 %	1.0 %	0.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5073 ppm	0.5112 ppm	0.4978 ppm	10.1221 ppm	0.5190 ppm	0.5041 ppm	0.5162 ppm
Concentration per Run	0.5056 ppm	0.5093 ppm	0.4976 ppm	10.1187 ppm	0.5177 ppm	0.5030 ppm	0.5221 ppm
Concentration per Run	0.5090 ppm	0.5083 ppm	0.4991 ppm	10.0780 ppm	0.5193 ppm	0.5044 ppm	0.5144 ppm
Concentration per Run	0.5073 ppm	0.5161 ppm	0.4967 ppm	10.1694 ppm	0.5200 ppm	0.5050 ppm	0.5122 ppm
Recovery Percentage	101.455 %	102.246 %	99.552 %	101.221 %	103.797 %	100.823 %	103.246 %
Concentration RSD	0.3 %	0.8 %	0.2 %	0.5 %	0.2 %	0.2 %	1.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4875 ppm	5.4431 ppm	0.4997 ppm	0.4894 ppm	0.5031 ppm	0.5117 ppm	0.5110 ppm
Concentration per Run	0.4866 ppm	5.4262 ppm	0.4988 ppm	0.4884 ppm	0.5029 ppm	0.5118 ppm	0.5108 ppm
Concentration per Run	0.4878 ppm	5.4428 ppm	0.5007 ppm	0.4883 ppm	0.5032 ppm	0.5096 ppm	0.5111 ppm
Concentration per Run	0.4882 ppm	5.4602 ppm	0.4996 ppm	0.4917 ppm	0.5033 ppm	0.5138 ppm	0.5111 ppm
Recovery Percentage	97.506 %	103.678 %	99.939 %	97.889 %	100.629 %	102.347 %	102.197 %
Concentration RSD	0.2 %	0.3 %	0.2 %	0.4 %	0.0 %	0.4 %	0.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5131 ppm	103.4830 %	104.1196 %	103.4363 %	101.2906 %	102.9656 %	101.7521 %
Concentration per Run	0.5107 ppm	103.5310 %	104.4617 %	103.9897 %	101.3873 %	103.0439 %	102.4191 %
Concentration per Run	0.5139 ppm	102.7456 %	104.7197 %	103.1120 %	100.3885 %	103.1214 %	101.4226 %
Concentration per Run	0.5146 ppm	104.1723 %	103.1772 %	103.2073 %	102.0959 %	102.7315 %	101.4148 %
Recovery Percentage	102.618 %						
Concentration RSD	0.4 %	0.7 %	0.8 %	0.5 %	0.8 %	0.2 %	0.6 %

ICP DataTrace 11

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LabBook: WG2146815_11262025T11.imexp

Sample: CCB
Analysis started at: 11/26/2025 11:53:59 AM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0004 ppm	0.0101 ppm	-0.0017 ppm	0.0021 ppm	-0.0001 ppm	0.0000 ppm	-0.0007 ppm
Concentration per Run	-0.0003 ppm	0.0042 ppm	-0.0008 ppm	0.0020 ppm	-0.0002 ppm	0.0000 ppm	-0.0016 ppm
Concentration per Run	-0.0001 ppm	0.0070 ppm	-0.0010 ppm	0.0026 ppm	0.0000 ppm	0.0000 ppm	-0.0011 ppm
Concentration per Run	-0.0007 ppm	0.0192 ppm	-0.0032 ppm	0.0016 ppm	-0.0001 ppm	0.0000 ppm	0.0006 ppm
Recovery Percentage	-5.025 %	10.124 %	-33.275 %	6.874 %	-0.801 %	0.342 %	-0.713 %
Concentration RSD	85.8 %	78.7 %	82.8 %	25.5 %	139.1 %	249.9 %	164.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0002 ppm	0.0001 ppm	0.0001 ppm	0.0023 ppm	-0.0048 ppm	0.0006 ppm
Concentration per Run	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0001 ppm	0.0047 ppm	0.0094 ppm	0.0005 ppm
Concentration per Run	0.0001 ppm	-0.0006 ppm	0.0008 ppm	0.0002 ppm	0.0019 ppm	-0.0115 ppm	0.0009 ppm
Concentration per Run	0.0001 ppm	0.0002 ppm	-0.0005 ppm	-0.0001 ppm	0.0002 ppm	-0.0122 ppm	0.0005 ppm
Recovery Percentage	1.415 %	-0.965 %	1.232 %	0.557 %	4.571 %	-0.191 %	12.377 %
Concentration RSD	125.7 %	205.9 %	512.6 %	324.6 %	97.4 %	257.8 %	33.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0014 ppm	-0.0002 ppm	0.0003 ppm	0.0104 ppm	0.0009 ppm	-0.0003 ppm	0.0013 ppm
Concentration per Run	-0.0017 ppm	-0.0004 ppm	-0.0001 ppm	0.0138 ppm	-0.0003 ppm	0.0005 ppm	0.0005 ppm
Concentration per Run	-0.0009 ppm	-0.0002 ppm	0.0005 ppm	0.0110 ppm	0.0023 ppm	-0.0001 ppm	-0.0011 ppm
Concentration per Run	-0.0014 ppm	-0.0001 ppm	0.0007 ppm	0.0065 ppm	0.0005 ppm	-0.0012 ppm	0.0044 ppm
Recovery Percentage	-1.371 %	-2.235 %	0.692 %	0.522 %	3.412 %	-2.892 %	2.564 %
Concentration RSD	29.2 %	58.7 %	128.2 %	35.1 %	154.1 %	297.0 %	220.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0003 ppm	0.0084 ppm	0.0006 ppm	-0.0001 ppm	0.0001 ppm	0.0009 ppm	0.0001 ppm
Concentration per Run	-0.0003 ppm	0.0086 ppm	0.0004 ppm	0.0000 ppm	0.0004 ppm	-0.0001 ppm	0.0000 ppm
Concentration per Run	0.0054 ppm	0.0096 ppm	0.0005 ppm	-0.0001 ppm	0.0001 ppm	0.0020 ppm	0.0001 ppm
Concentration per Run	-0.0043 ppm	0.0072 ppm	0.0008 ppm	-0.0001 ppm	-0.0001 ppm	0.0009 ppm	0.0001 ppm
Recovery Percentage	2.898 %	1.687 %	1.174 %	-0.777 %	1.259 %	4.540 %	0.536 %
Concentration RSD	1,682.3 %	14.1 %	37.6 %	47.8 %	204.3 %	113.6 %	171.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0000 ppm	100.8906 %	101.5123 %	101.9335 %	100.7869 %	102.2064 %	101.8200 %
Concentration per Run	0.0000 ppm	100.8738 %	101.7505 %	100.9236 %	101.2877 %	102.5565 %	101.2871 %
Concentration per Run	-0.0001 ppm	101.4555 %	101.3834 %	102.6664 %	101.1220 %	101.7780 %	102.5392 %
Concentration per Run	0.0001 ppm	100.3425 %	101.4031 %	102.2105 %	99.9510 %	102.2848 %	101.6338 %
Recovery Percentage	0.097 %						
Concentration RSD	2,546.1 %	0.6 %	0.2 %	0.9 %	0.7 %	0.4 %	0.6 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: LDR 300 Fe pass
Analysis started at: 11/26/2025 12:04:29 PM
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Rack Number 1
Vial Numbers 46

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0014 ppm	0.0081 ppm	-0.0014 ppm	0.0005 ppm	0.0001 ppm	0.0000 ppm	0.0138 ppm
Concentration per Run	0.0022 ppm	-0.0030 ppm	-0.0015 ppm	0.0006 ppm	0.0003 ppm	0.0000 ppm	0.0113 ppm
Concentration per Run	0.0010 ppm	0.0075 ppm	0.0011 ppm	0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0143 ppm
Concentration per Run	0.0010 ppm	0.0199 ppm	-0.0038 ppm	0.0004 ppm	0.0001 ppm	0.0000 ppm	0.0160 ppm
Concentration RSD	49.9 %	141.2 %	173.2 %	14.6 %	140.3 %	88.7 %	17.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0010 ppm	0.0002 ppm	0.0000 ppm	0.0015 ppm	287.9888 ppm	0.0010 ppm	0.0015 ppm
Concentration per Run	0.0011 ppm	0.0003 ppm	-0.0001 ppm	0.0031 ppm	289.6838 ppm	0.0095 ppm	0.0006 ppm
Concentration per Run	0.0011 ppm	0.0004 ppm	-0.0002 ppm	0.0012 ppm	286.4222 ppm	-0.0194 ppm	0.0024 ppm
Concentration per Run	0.0008 ppm	-0.0002 ppm	0.0003 ppm	0.0003 ppm	287.8603 ppm	0.0128 ppm	0.0015 ppm
Concentration RSD	16.4 %	158.1 %	1,026.3 %	92.2 %	0.6 %	1,774.3 %	61.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0110 ppm	-0.0019 ppm	-0.0018 ppm	0.0121 ppm	0.0017 ppm	-0.0019 ppm	-0.0036 ppm
Concentration per Run	0.0109 ppm	-0.0020 ppm	-0.0018 ppm	0.0163 ppm	0.0016 ppm	-0.0016 ppm	-0.0043 ppm
Concentration per Run	0.0083 ppm	-0.0021 ppm	-0.0019 ppm	0.0133 ppm	0.0023 ppm	-0.0021 ppm	-0.0002 ppm
Concentration per Run	0.0140 ppm	-0.0018 ppm	-0.0018 ppm	0.0067 ppm	0.0010 ppm	-0.0021 ppm	-0.0063 ppm
Concentration RSD	26.0 %	6.3 %	2.7 %	40.4 %	41.5 %	16.0 %	87.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0017 ppm	-0.0004 ppm	0.0010 ppm	0.0001 ppm	0.0000 ppm	0.0018 ppm	-0.0027 ppm
Concentration per Run	0.0040 ppm	-0.0007 ppm	0.0013 ppm	0.0001 ppm	-0.0002 ppm	0.0009 ppm	-0.0031 ppm
Concentration per Run	-0.0019 ppm	0.0002 ppm	0.0011 ppm	0.0001 ppm	-0.0001 ppm	0.0002 ppm	-0.0024 ppm
Concentration per Run	0.0032 ppm	-0.0006 ppm	0.0006 ppm	0.0001 ppm	0.0003 ppm	0.0044 ppm	-0.0027 ppm
Concentration RSD	182.7 %	139.1 %	37.2 %	27.1 %	1,272.8 %	121.4 %	11.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0007 ppm	102.6871 %	103.5008 %	99.4241 %	100.3828 %	102.5773 %	100.8699 %
Concentration per Run	0.0010 ppm	103.3342 %	103.3974 %	99.4492 %	100.6717 %	103.4810 %	100.7261 %
Concentration per Run	0.0007 ppm	102.9844 %	103.0893 %	99.2095 %	100.9131 %	101.2402 %	100.9554 %
Concentration per Run	0.0004 ppm	101.7427 %	104.0158 %	99.6137 %	99.5636 %	103.0108 %	100.9281 %
Concentration RSD	43.2 %	0.8 %	0.5 %	0.2 %	0.7 %	1.2 %	0.1 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2571480-04 WG2143030
Analysis started at: 11/26/2025 12:06:49 PM
Comment <Comment>
Rack Number 1
Vial Numbers 41

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0003 ppm	0.0133 ppm	0.0033 ppm	0.0242 ppm	0.0474 ppm	0.0001 ppm	26.7793 ppm
Concentration per Run	-0.0005 ppm	0.0133 ppm	0.0042 ppm	0.0231 ppm	0.0473 ppm	0.0001 ppm	26.7145 ppm
Concentration per Run	0.0001 ppm	0.0133 ppm	0.0027 ppm	0.0242 ppm	0.0474 ppm	0.0000 ppm	26.8257 ppm
Concentration per Run	-0.0005 ppm	0.0132 ppm	0.0029 ppm	0.0253 ppm	0.0474 ppm	0.0001 ppm	26.7978 ppm
Concentration RSD	117.2 %	0.5 %	24.4 %	4.5 %	0.2 %	33.9 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0001 ppm	1.7212 ppm	1.3230 ppm	0.0073 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	-0.0002 ppm	-0.0001 ppm	1.7122 ppm	1.3327 ppm	0.0089 ppm
Concentration per Run	-0.0001 ppm	0.0000 ppm	0.0002 ppm	0.0001 ppm	1.7303 ppm	1.3248 ppm	0.0062 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0003 ppm	1.7211 ppm	1.3116 ppm	0.0066 ppm
Concentration RSD	2,454.5 %	774.1 %	2,256.8 %	217.9 %	0.5 %	0.8 %	19.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	4.3439 ppm	0.6469 ppm	0.0001 ppm	7.7507 ppm	0.0009 ppm	0.0003 ppm	-0.0012 ppm
Concentration per Run	4.3348 ppm	0.6461 ppm	-0.0001 ppm	7.7532 ppm	0.0007 ppm	0.0008 ppm	-0.0012 ppm
Concentration per Run	4.3494 ppm	0.6479 ppm	0.0002 ppm	7.7820 ppm	0.0010 ppm	0.0003 ppm	-0.0013 ppm
Concentration per Run	4.3473 ppm	0.6467 ppm	0.0002 ppm	7.7168 ppm	0.0010 ppm	-0.0004 ppm	-0.0013 ppm
Concentration RSD	0.2 %	0.1 %	274.6 %	0.4 %	17.1 %	221.2 %	1.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0019 ppm	4.0561 ppm	-0.0014 ppm	0.0640 ppm	0.0001 ppm	0.0009 ppm	0.0003 ppm
Concentration per Run	0.0026 ppm	4.0746 ppm	-0.0011 ppm	0.0639 ppm	0.0002 ppm	-0.0004 ppm	0.0001 ppm
Concentration per Run	0.0029 ppm	4.0688 ppm	-0.0013 ppm	0.0640 ppm	0.0001 ppm	0.0024 ppm	0.0005 ppm
Concentration per Run	0.0003 ppm	4.0249 ppm	-0.0017 ppm	0.0642 ppm	0.0000 ppm	0.0006 ppm	0.0003 ppm
Concentration RSD	73.4 %	0.7 %	21.9 %	0.2 %	131.2 %	159.9 %	59.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0071 ppm	103.9755 %	105.6926 %	103.6657 %	102.1680 %	104.2499 %	102.8896 %
Concentration per Run	0.0073 ppm	103.8148 %	106.7429 %	103.4855 %	102.2994 %	105.2926 %	102.4836 %
Concentration per Run	0.0070 ppm	103.4173 %	105.2442 %	103.8613 %	101.5439 %	103.9725 %	103.3601 %
Concentration per Run	0.0070 ppm	104.6943 %	105.0907 %	103.6505 %	102.6606 %	103.4847 %	102.8251 %
Concentration RSD	2.5 %	0.6 %	0.9 %	0.2 %	0.6 %	0.9 %	0.4 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2571480-05 WG2143030
Analysis started at: 11/26/2025 12:08:59 PM
Comment <Comment>
Rack Number 1
Vial Numbers 42

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0005 ppm	0.0205 ppm	0.0022 ppm	0.0320 ppm	0.1437 ppm	0.0000 ppm	58.9458 ppm
Concentration per Run	-0.0001 ppm	0.0165 ppm	0.0017 ppm	0.0321 ppm	0.1434 ppm	0.0001 ppm	58.9192 ppm
Concentration per Run	-0.0005 ppm	0.0256 ppm	0.0025 ppm	0.0311 ppm	0.1427 ppm	0.0000 ppm	58.8378 ppm
Concentration per Run	-0.0010 ppm	0.0194 ppm	0.0024 ppm	0.0328 ppm	0.1449 ppm	0.0000 ppm	59.0802 ppm
Concentration RSD	90.9 %	22.7 %	21.1 %	2.8 %	0.8 %	49.7 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0004 ppm	-0.0002 ppm	0.0013 ppm	0.0231 ppm	0.7265 ppm	0.0067 ppm
Concentration per Run	0.0001 ppm	-0.0004 ppm	-0.0003 ppm	0.0012 ppm	0.0243 ppm	0.7400 ppm	0.0077 ppm
Concentration per Run	0.0001 ppm	-0.0005 ppm	-0.0001 ppm	0.0015 ppm	0.0222 ppm	0.7199 ppm	0.0064 ppm
Concentration per Run	0.0001 ppm	-0.0004 ppm	-0.0002 ppm	0.0012 ppm	0.0229 ppm	0.7195 ppm	0.0059 ppm
Concentration RSD	28.7 %	10.9 %	27.5 %	11.7 %	4.7 %	1.6 %	13.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	5.3753 ppm	0.6255 ppm	0.0001 ppm	16.5605 ppm	0.0006 ppm	0.0046 ppm	-0.0003 ppm
Concentration per Run	5.3860 ppm	0.6247 ppm	0.0000 ppm	16.5914 ppm	0.0005 ppm	0.0042 ppm	0.0015 ppm
Concentration per Run	5.3741 ppm	0.6235 ppm	0.0003 ppm	16.5111 ppm	0.0006 ppm	0.0052 ppm	-0.0005 ppm
Concentration per Run	5.3658 ppm	0.6282 ppm	-0.0001 ppm	16.5789 ppm	0.0007 ppm	0.0043 ppm	-0.0019 ppm
Concentration RSD	0.2 %	0.4 %	326.8 %	0.3 %	23.0 %	12.4 %	553.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0001 ppm	5.2864 ppm	-0.0012 ppm	0.0986 ppm	0.0001 ppm	0.0011 ppm	0.0001 ppm
Concentration per Run	0.0003 ppm	5.2736 ppm	-0.0015 ppm	0.0987 ppm	0.0000 ppm	0.0010 ppm	-0.0001 ppm
Concentration per Run	0.0000 ppm	5.2864 ppm	-0.0008 ppm	0.0979 ppm	0.0002 ppm	0.0012 ppm	0.0004 ppm
Concentration per Run	-0.0007 ppm	5.2991 ppm	-0.0013 ppm	0.0992 ppm	-0.0001 ppm	0.0010 ppm	0.0001 ppm
Concentration RSD	389.3 %	0.2 %	30.0 %	0.7 %	312.5 %	10.0 %	158.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0042 ppm	103.1786 %	104.6171 %	100.9220 %	100.9889 %	103.0391 %	100.7784 %
Concentration per Run	0.0041 ppm	103.1701 %	104.9159 %	100.6393 %	100.8717 %	103.4429 %	100.6991 %
Concentration per Run	0.0039 ppm	103.1553 %	104.5528 %	100.9772 %	100.7741 %	102.3960 %	100.6732 %
Concentration per Run	0.0046 ppm	103.2105 %	104.3824 %	101.1496 %	101.3209 %	103.2783 %	100.9629 %
Concentration RSD	8.0 %	0.0 %	0.3 %	0.3 %	0.3 %	0.5 %	0.2 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2571480-06 WG2143030
Analysis started at: 11/26/2025 12:11:10 PM
Comment <Comment>
Rack Number 1
Vial Numbers 43

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0072 ppm	0.0041 ppm	0.0280 ppm	0.0314 ppm	0.0000 ppm	28.5211 ppm
Concentration per Run	0.0001 ppm	0.0164 ppm	0.0036 ppm	0.0285 ppm	0.0314 ppm	0.0000 ppm	28.5991 ppm
Concentration per Run	-0.0005 ppm	0.0034 ppm	0.0045 ppm	0.0288 ppm	0.0315 ppm	0.0000 ppm	28.5020 ppm
Concentration per Run	-0.0001 ppm	0.0017 ppm	0.0041 ppm	0.0268 ppm	0.0312 ppm	0.0000 ppm	28.4623 ppm
Concentration RSD	237.6 %	111.8 %	10.7 %	3.9 %	0.4 %	47.5 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0005 ppm	0.0000 ppm	0.0006 ppm	0.0713 ppm	1.1014 ppm	0.0053 ppm
Concentration per Run	-0.0001 ppm	-0.0007 ppm	-0.0005 ppm	0.0005 ppm	0.0721 ppm	1.1246 ppm	0.0069 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0005 ppm	0.0708 ppm	1.0971 ppm	0.0065 ppm
Concentration per Run	0.0001 ppm	-0.0008 ppm	0.0004 ppm	0.0007 ppm	0.0711 ppm	1.0827 ppm	0.0024 ppm
Concentration RSD	8,886.7 %	83.9 %	1,536.2 %	22.4 %	0.9 %	1.9 %	47.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	3.9953 ppm	2.1294 ppm	0.0002 ppm	9.0436 ppm	0.0005 ppm	-0.0009 ppm	0.0004 ppm
Concentration per Run	3.9946 ppm	2.1430 ppm	0.0004 ppm	9.0590 ppm	0.0005 ppm	-0.0013 ppm	0.0031 ppm
Concentration per Run	4.0015 ppm	2.1237 ppm	-0.0001 ppm	9.0125 ppm	0.0008 ppm	-0.0012 ppm	-0.0009 ppm
Concentration per Run	3.9899 ppm	2.1215 ppm	0.0002 ppm	9.0594 ppm	0.0001 ppm	0.0000 ppm	-0.0010 ppm
Concentration RSD	0.1 %	0.6 %	163.3 %	0.3 %	83.8 %	84.0 %	570.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0023 ppm	6.9323 ppm	-0.0007 ppm	0.0710 ppm	0.0001 ppm	0.0006 ppm	0.0002 ppm
Concentration per Run	0.0013 ppm	6.9345 ppm	-0.0008 ppm	0.0712 ppm	0.0004 ppm	0.0008 ppm	0.0003 ppm
Concentration per Run	0.0040 ppm	6.9371 ppm	-0.0006 ppm	0.0711 ppm	0.0000 ppm	-0.0001 ppm	0.0003 ppm
Concentration per Run	0.0016 ppm	6.9253 ppm	-0.0007 ppm	0.0707 ppm	-0.0002 ppm	0.0010 ppm	0.0000 ppm
Concentration RSD	64.3 %	0.1 %	15.9 %	0.3 %	390.6 %	104.5 %	103.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0007 ppm	103.7833 %	106.1859 %	103.4787 %	102.1866 %	104.4746 %	102.5707 %
Concentration per Run	0.0005 ppm	104.3032 %	105.3781 %	103.9544 %	102.8419 %	104.0547 %	102.9282 %
Concentration per Run	0.0008 ppm	103.1822 %	106.4887 %	103.1017 %	101.5332 %	104.7354 %	102.2695 %
Concentration per Run	0.0007 ppm	103.8644 %	106.6907 %	103.3799 %	102.1848 %	104.6338 %	102.5144 %
Concentration RSD	25.7 %	0.5 %	0.7 %	0.4 %	0.6 %	0.4 %	0.3 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2571480-07 WG2143030
Analysis started at: 11/26/2025 12:13:19 PM
Comment <Comment>
Rack Number 1
Vial Numbers 44

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0007 ppm	0.0092 ppm	-0.0010 ppm	0.0364 ppm	0.0275 ppm	0.0000 ppm	42.5569 ppm
Concentration per Run	-0.0009 ppm	0.0023 ppm	0.0000 ppm	0.0349 ppm	0.0275 ppm	0.0000 ppm	42.6083 ppm
Concentration per Run	-0.0006 ppm	0.0108 ppm	0.0004 ppm	0.0352 ppm	0.0276 ppm	0.0000 ppm	42.4813 ppm
Concentration per Run	-0.0007 ppm	0.0144 ppm	-0.0033 ppm	0.0391 ppm	0.0274 ppm	0.0001 ppm	42.5812 ppm
Concentration RSD	23.7 %	67.7 %	217.0 %	6.4 %	0.3 %	204.2 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0002 ppm	0.0000 ppm	0.0007 ppm	0.0056 ppm	0.8838 ppm	0.0050 ppm
Concentration per Run	0.0000 ppm	-0.0002 ppm	-0.0001 ppm	0.0008 ppm	0.0054 ppm	0.8751 ppm	0.0063 ppm
Concentration per Run	0.0001 ppm	-0.0001 ppm	0.0002 ppm	0.0007 ppm	0.0055 ppm	0.8952 ppm	0.0041 ppm
Concentration per Run	0.0001 ppm	-0.0002 ppm	0.0000 ppm	0.0006 ppm	0.0057 ppm	0.8811 ppm	0.0048 ppm
Concentration RSD	85.5 %	35.5 %	1,533.8 %	10.5 %	2.6 %	1.2 %	22.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	3.7854 ppm	0.1285 ppm	0.0004 ppm	14.6588 ppm	0.0007 ppm	0.0000 ppm	0.0003 ppm
Concentration per Run	3.7977 ppm	0.1288 ppm	0.0007 ppm	14.6455 ppm	0.0008 ppm	-0.0001 ppm	0.0015 ppm
Concentration per Run	3.7818 ppm	0.1283 ppm	0.0006 ppm	14.6743 ppm	0.0005 ppm	0.0003 ppm	0.0008 ppm
Concentration per Run	3.7767 ppm	0.1283 ppm	0.0000 ppm	14.6565 ppm	0.0008 ppm	-0.0003 ppm	-0.0015 ppm
Concentration RSD	0.3 %	0.2 %	97.2 %	0.1 %	22.3 %	713.4 %	547.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0020 ppm	4.8071 ppm	0.0042 ppm	0.0660 ppm	0.0002 ppm	0.0020 ppm	0.0002 ppm
Concentration per Run	0.0040 ppm	4.8184 ppm	0.0039 ppm	0.0662 ppm	0.0001 ppm	0.0020 ppm	0.0002 ppm
Concentration per Run	0.0022 ppm	4.7952 ppm	0.0037 ppm	0.0657 ppm	-0.0002 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run	-0.0001 ppm	4.8078 ppm	0.0049 ppm	0.0661 ppm	0.0006 ppm	0.0039 ppm	0.0002 ppm
Concentration RSD	100.0 %	0.2 %	15.0 %	0.3 %	226.8 %	100.7 %	43.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0034 ppm	102.8660 %	104.4626 %	101.3603 %	101.0141 %	103.2741 %	100.9354 %
Concentration per Run	0.0034 ppm	102.2576 %	104.5148 %	101.7414 %	100.6003 %	103.3750 %	101.2763 %
Concentration per Run	0.0035 ppm	103.0979 %	105.4987 %	100.7881 %	101.2168 %	104.2582 %	100.3322 %
Concentration per Run	0.0032 ppm	103.2424 %	103.3742 %	101.5515 %	101.2250 %	102.1890 %	101.1976 %
Concentration RSD	3.8 %	0.5 %	1.0 %	0.5 %	0.4 %	1.0 %	0.5 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2572646-01 WG2143030
Analysis started at: 11/26/2025 12:15:29 PM
Comment <Comment>
Rack Number 1
Vial Numbers 36

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0019 ppm	25.7811 ppm	0.0076 ppm	0.1294 ppm	0.1727 ppm	0.0001 ppm	133.0961 ppm
Concentration per Run	0.0020 ppm	25.8107 ppm	0.0059 ppm	0.1296 ppm	0.1729 ppm	0.0001 ppm	133.4176 ppm
Concentration per Run	0.0018 ppm	25.8343 ppm	0.0093 ppm	0.1273 ppm	0.1733 ppm	0.0001 ppm	133.1564 ppm
Concentration per Run	0.0020 ppm	25.6983 ppm	0.0076 ppm	0.1314 ppm	0.1720 ppm	0.0001 ppm	132.7143 ppm
Concentration RSD	4.9 %	0.3 %	22.5 %	1.6 %	0.4 %	10.8 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0006 ppm	0.0163 ppm	0.4500 ppm	0.0411 ppm	228.7447 ppm	34.0344 ppm	0.0146 ppm
Concentration per Run	0.0005 ppm	0.0167 ppm	0.4491 ppm	0.0414 ppm	229.4314 ppm	34.0398 ppm	0.0174 ppm
Concentration per Run	0.0007 ppm	0.0161 ppm	0.4501 ppm	0.0411 ppm	229.1552 ppm	34.1079 ppm	0.0124 ppm
Concentration per Run	0.0007 ppm	0.0161 ppm	0.4506 ppm	0.0408 ppm	227.6476 ppm	33.9554 ppm	0.0141 ppm
Concentration RSD	14.9 %	2.0 %	0.2 %	0.8 %	0.4 %	0.2 %	17.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	19.7482 ppm	2.2156 ppm	0.1195 ppm	57.7323 ppm	0.2518 ppm	0.0052 ppm	0.0042 ppm
Concentration per Run	19.8056 ppm	2.2246 ppm	0.1186 ppm	57.9969 ppm	0.2497 ppm	0.0043 ppm	0.0035 ppm
Concentration per Run	19.7577 ppm	2.2128 ppm	0.1202 ppm	57.8398 ppm	0.2527 ppm	0.0055 ppm	0.0058 ppm
Concentration per Run	19.6813 ppm	2.2093 ppm	0.1196 ppm	57.3603 ppm	0.2531 ppm	0.0058 ppm	0.0032 ppm
Concentration RSD	0.3 %	0.4 %	0.7 %	0.6 %	0.7 %	14.6 %	34.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0070 ppm	5.5761 ppm	0.0046 ppm	0.2394 ppm	0.0797 ppm	-0.0010 ppm	0.0240 ppm
Concentration per Run	0.0037 ppm	5.5653 ppm	0.0037 ppm	0.2400 ppm	0.0794 ppm	-0.0004 ppm	0.0237 ppm
Concentration per Run	0.0061 ppm	5.5874 ppm	0.0046 ppm	0.2404 ppm	0.0795 ppm	-0.0010 ppm	0.0244 ppm
Concentration per Run	0.0114 ppm	5.5756 ppm	0.0054 ppm	0.2378 ppm	0.0803 ppm	-0.0016 ppm	0.0239 ppm
Concentration RSD	56.1 %	0.2 %	19.3 %	0.6 %	0.6 %	57.7 %	1.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.5430 ppm	102.6841 %	108.6604 %	95.3249 %	99.9288 %	107.1239 %	101.1763 %
Concentration per Run	1.5381 ppm	102.7640 %	108.8670 %	95.3921 %	100.3339 %	107.8624 %	101.3460 %
Concentration per Run	1.5421 ppm	102.9550 %	108.8209 %	95.2644 %	99.8779 %	107.3166 %	101.2173 %
Concentration per Run	1.5489 ppm	102.3332 %	108.2935 %	95.3184 %	99.5746 %	106.1928 %	100.9655 %
Concentration RSD	0.4 %	0.3 %	0.3 %	0.1 %	0.4 %	0.8 %	0.2 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2143030-7 WG2143030
Analysis started at: 11/26/2025 12:17:38 PM
Comment <Comment>
Rack Number 1
Vial Numbers 37

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0537 ppm	27.8246 ppm	0.1408 ppm	1.1460 ppm	2.2760 ppm	0.0540 ppm	142.6063 ppm
Concentration per Run	0.0541 ppm	27.6030 ppm	0.1404 ppm	1.1454 ppm	2.2629 ppm	0.0537 ppm	141.4962 ppm
Concentration per Run	0.0530 ppm	27.9092 ppm	0.1424 ppm	1.1385 ppm	2.2692 ppm	0.0540 ppm	142.7906 ppm
Concentration per Run	0.0541 ppm	27.9616 ppm	0.1396 ppm	1.1542 ppm	2.2959 ppm	0.0544 ppm	143.5321 ppm
Concentration RSD	1.2 %	0.7 %	1.0 %	0.7 %	0.8 %	0.7 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0552 ppm	0.5273 ppm	0.6626 ppm	0.3089 ppm	229.5381 ppm	44.7634 ppm	0.0156 ppm
Concentration per Run	0.0549 ppm	0.5257 ppm	0.6589 ppm	0.3081 ppm	227.9418 ppm	44.3018 ppm	0.0160 ppm
Concentration per Run	0.0551 ppm	0.5265 ppm	0.6612 ppm	0.3102 ppm	229.7563 ppm	44.8477 ppm	0.0162 ppm
Concentration per Run	0.0555 ppm	0.5298 ppm	0.6678 ppm	0.3084 ppm	230.9164 ppm	45.1407 ppm	0.0145 ppm
Concentration RSD	0.6 %	0.4 %	0.7 %	0.4 %	0.7 %	1.0 %	5.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	29.4339 ppm	2.7130 ppm	1.1726 ppm	67.8449 ppm	0.7653 ppm	0.5385 ppm	0.5384 ppm
Concentration per Run	29.3959 ppm	2.6931 ppm	1.1709 ppm	67.0625 ppm	0.7650 ppm	0.5376 ppm	0.5407 ppm
Concentration per Run	29.4188 ppm	2.7143 ppm	1.1703 ppm	67.8593 ppm	0.7630 ppm	0.5412 ppm	0.5383 ppm
Concentration per Run	29.4870 ppm	2.7317 ppm	1.1765 ppm	68.6129 ppm	0.7677 ppm	0.5367 ppm	0.5361 ppm
Concentration RSD	0.2 %	0.7 %	0.3 %	1.1 %	0.3 %	0.4 %	0.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1440 ppm	6.6406 ppm	0.9675 ppm	1.2314 ppm	1.1276 ppm	0.1195 ppm	0.5723 ppm
Concentration per Run	0.1446 ppm	6.6313 ppm	0.9656 ppm	1.2265 ppm	1.1285 ppm	0.1183 ppm	0.5706 ppm
Concentration per Run	0.1440 ppm	6.6318 ppm	0.9631 ppm	1.2283 ppm	1.1246 ppm	0.1215 ppm	0.5723 ppm
Concentration per Run	0.1435 ppm	6.6586 ppm	0.9739 ppm	1.2394 ppm	1.1297 ppm	0.1188 ppm	0.5741 ppm
Concentration RSD	0.4 %	0.2 %	0.6 %	0.6 %	0.2 %	1.4 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	2.0666 ppm	101.8785 %	107.8144 %	94.5027 %	99.4408 %	106.4448 %	100.5087 %
Concentration per Run	2.0594 ppm	102.5008 %	108.1548 %	94.6723 %	100.2690 %	106.1044 %	100.6618 %
Concentration per Run	2.0588 ppm	101.9945 %	107.6854 %	94.3435 %	99.5434 %	106.1057 %	100.2050 %
Concentration per Run	2.0816 ppm	101.1402 %	107.6031 %	94.4924 %	98.5101 %	107.1243 %	100.6595 %
Concentration RSD	0.6 %	0.7 %	0.3 %	0.2 %	0.9 %	0.6 %	0.3 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2143030-8 WG2143030
Analysis started at: 11/26/2025 12:19:49 PM
Comment <Comment>
Rack Number 1
Vial Numbers 38

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0017 ppm	25.8378 ppm	0.0061 ppm	0.1320 ppm	0.1720 ppm	0.0001 ppm	133.1374 ppm
Concentration per Run	0.0012 ppm	25.7695 ppm	0.0048 ppm	0.1311 ppm	0.1715 ppm	0.0001 ppm	132.8836 ppm
Concentration per Run	0.0017 ppm	25.9648 ppm	0.0059 ppm	0.1315 ppm	0.1727 ppm	0.0001 ppm	133.7621 ppm
Concentration per Run	0.0023 ppm	25.7790 ppm	0.0076 ppm	0.1334 ppm	0.1719 ppm	0.0001 ppm	132.7663 ppm
Concentration RSD	32.0 %	0.4 %	23.3 %	0.9 %	0.4 %	13.0 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0007 ppm	0.0166 ppm	0.4535 ppm	0.0407 ppm	228.2844 ppm	34.0515 ppm	0.0146 ppm
Concentration per Run	0.0008 ppm	0.0167 ppm	0.4531 ppm	0.0409 ppm	227.6358 ppm	33.8705 ppm	0.0154 ppm
Concentration per Run	0.0007 ppm	0.0168 ppm	0.4531 ppm	0.0405 ppm	229.3270 ppm	34.2261 ppm	0.0147 ppm
Concentration per Run	0.0007 ppm	0.0163 ppm	0.4544 ppm	0.0408 ppm	227.8905 ppm	34.0578 ppm	0.0136 ppm
Concentration RSD	8.2 %	1.5 %	0.2 %	0.4 %	0.4 %	0.5 %	6.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	19.8613 ppm	2.2187 ppm	0.1215 ppm	57.6379 ppm	0.2534 ppm	0.0048 ppm	0.0041 ppm
Concentration per Run	19.8695 ppm	2.2213 ppm	0.1214 ppm	57.2641 ppm	0.2530 ppm	0.0037 ppm	0.0068 ppm
Concentration per Run	19.8267 ppm	2.2224 ppm	0.1221 ppm	58.1775 ppm	0.2538 ppm	0.0053 ppm	0.0043 ppm
Concentration per Run	19.8875 ppm	2.2123 ppm	0.1209 ppm	57.4723 ppm	0.2533 ppm	0.0053 ppm	0.0012 ppm
Concentration RSD	0.2 %	0.3 %	0.5 %	0.8 %	0.2 %	19.6 %	68.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0077 ppm	5.6203 ppm	0.0077 ppm	0.2388 ppm	0.0801 ppm	-0.0012 ppm	0.0246 ppm
Concentration per Run	0.0076 ppm	5.6352 ppm	0.0074 ppm	0.2382 ppm	0.0799 ppm	-0.0009 ppm	0.0244 ppm
Concentration per Run	0.0072 ppm	5.6252 ppm	0.0063 ppm	0.2396 ppm	0.0804 ppm	-0.0012 ppm	0.0247 ppm
Concentration per Run	0.0083 ppm	5.6006 ppm	0.0093 ppm	0.2386 ppm	0.0800 ppm	-0.0014 ppm	0.0247 ppm
Concentration RSD	7.2 %	0.3 %	19.7 %	0.3 %	0.4 %	22.7 %	0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.5543 ppm	102.4670 %	108.2791 %	95.3458 %	99.9773 %	106.7767 %	101.1906 %
Concentration per Run	1.5525 ppm	102.6447 %	108.5011 %	95.5287 %	100.3403 %	106.8346 %	101.1842 %
Concentration per Run	1.5551 ppm	102.7431 %	107.5858 %	95.1843 %	100.3686 %	106.4352 %	101.1989 %
Concentration per Run	1.5553 ppm	102.0133 %	108.7505 %	95.3244 %	99.2230 %	107.0603 %	101.1886 %
Concentration RSD	0.1 %	0.4 %	0.6 %	0.2 %	0.7 %	0.3 %	0.0 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2143030-9 WG2143030
Analysis started at: 11/26/2025 12:21:59 PM
Comment <Comment>
Rack Number 1
Vial Numbers 39

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0464 ppm	26.9781 ppm	0.1316 ppm	1.0946 ppm	1.9701 ppm	0.0462 ppm	139.4440 ppm
Concentration per Run	0.0460 ppm	27.0559 ppm	0.1310 ppm	1.0891 ppm	1.9793 ppm	0.0466 ppm	140.0573 ppm
Concentration per Run	0.0468 ppm	26.9885 ppm	0.1306 ppm	1.0979 ppm	1.9719 ppm	0.0462 ppm	139.4617 ppm
Concentration per Run	0.0463 ppm	26.8898 ppm	0.1333 ppm	1.0966 ppm	1.9592 ppm	0.0458 ppm	138.8130 ppm
Concentration RSD	0.8 %	0.3 %	1.1 %	0.4 %	0.5 %	0.8 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0499 ppm	0.4531 ppm	0.6210 ppm	0.2689 ppm	223.8367 ppm	43.4308 ppm	0.0155 ppm
Concentration per Run	0.0494 ppm	0.4515 ppm	0.6190 ppm	0.2698 ppm	225.0010 ppm	43.3767 ppm	0.0162 ppm
Concentration per Run	0.0504 ppm	0.4543 ppm	0.6217 ppm	0.2684 ppm	224.1654 ppm	43.6103 ppm	0.0170 ppm
Concentration per Run	0.0499 ppm	0.4536 ppm	0.6223 ppm	0.2684 ppm	222.3438 ppm	43.3054 ppm	0.0133 ppm
Concentration RSD	1.0 %	0.3 %	0.3 %	0.3 %	0.6 %	0.4 %	12.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	28.5404 ppm	2.5967 ppm	1.1091 ppm	66.1886 ppm	0.6856 ppm	0.5166 ppm	0.4753 ppm
Concentration per Run	28.5196 ppm	2.6098 ppm	1.1032 ppm	66.4926 ppm	0.6814 ppm	0.5202 ppm	0.4726 ppm
Concentration per Run	28.5550 ppm	2.5988 ppm	1.1126 ppm	66.3049 ppm	0.6891 ppm	0.5147 ppm	0.4738 ppm
Concentration per Run	28.5465 ppm	2.5815 ppm	1.1115 ppm	65.7683 ppm	0.6862 ppm	0.5147 ppm	0.4795 ppm
Concentration RSD	0.1 %	0.6 %	0.5 %	0.6 %	0.6 %	0.6 %	0.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1322 ppm	6.4986 ppm	0.9331 ppm	1.1717 ppm	1.0660 ppm	0.1139 ppm	0.4935 ppm
Concentration per Run	0.1277 ppm	6.4754 ppm	0.9283 ppm	1.1771 ppm	1.0629 ppm	0.1157 ppm	0.4914 ppm
Concentration per Run	0.1341 ppm	6.5155 ppm	0.9389 ppm	1.1739 ppm	1.0695 ppm	0.1130 ppm	0.4942 ppm
Concentration per Run	0.1347 ppm	6.5047 ppm	0.9323 ppm	1.1640 ppm	1.0657 ppm	0.1129 ppm	0.4950 ppm
Concentration RSD	2.9 %	0.3 %	0.6 %	0.6 %	0.3 %	1.4 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.9626 ppm	101.7847 %	108.0004 %	94.0735 %	99.1502 %	106.9966 %	100.1360 %
Concentration per Run	1.9465 ppm	101.9098 %	107.7772 %	93.4577 %	99.3724 %	107.2070 %	99.5916 %
Concentration per Run	1.9660 ppm	101.5062 %	108.1986 %	94.3596 %	98.5633 %	107.1945 %	100.2936 %
Concentration per Run	1.9752 ppm	101.9381 %	108.0254 %	94.4032 %	99.5150 %	106.5883 %	100.5226 %
Concentration RSD	0.7 %	0.2 %	0.2 %	0.6 %	0.5 %	0.3 %	0.5 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2143030-10D5 WG2143030
Analysis started at: 11/26/2025 12:24:08 PM
Comment <Comment>
Rack Number 1
Vial Numbers 40

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	5.2005 ppm	-0.0001 ppm	0.0290 ppm	0.0347 ppm	0.0001 ppm	27.3508 ppm
Concentration per Run	0.0003 ppm	5.1759 ppm	0.0014 ppm	0.0307 ppm	0.0346 ppm	0.0001 ppm	27.2056 ppm
Concentration per Run	0.0000 ppm	5.2408 ppm	-0.0011 ppm	0.0290 ppm	0.0350 ppm	0.0000 ppm	27.6136 ppm
Concentration per Run	0.0000 ppm	5.1846 ppm	-0.0007 ppm	0.0274 ppm	0.0344 ppm	0.0001 ppm	27.2331 ppm
Concentration RSD	162.5 %	0.7 %	920.7 %	5.7 %	0.9 %	43.5 %	0.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0030 ppm	0.0910 ppm	0.0087 ppm	48.1817 ppm	6.8725 ppm	0.0040 ppm
Concentration per Run	0.0002 ppm	0.0031 ppm	0.0901 ppm	0.0089 ppm	47.9149 ppm	6.8764 ppm	0.0048 ppm
Concentration per Run	0.0001 ppm	0.0028 ppm	0.0911 ppm	0.0082 ppm	48.5158 ppm	6.9296 ppm	0.0045 ppm
Concentration per Run	0.0001 ppm	0.0033 ppm	0.0917 ppm	0.0088 ppm	48.1143 ppm	6.8114 ppm	0.0027 ppm
Concentration RSD	51.5 %	8.3 %	0.9 %	4.2 %	0.6 %	0.9 %	28.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	4.2072 ppm	0.4531 ppm	0.0245 ppm	11.8402 ppm	0.0524 ppm	0.0009 ppm	0.0051 ppm
Concentration per Run	4.2082 ppm	0.4502 ppm	0.0251 ppm	11.8645 ppm	0.0523 ppm	0.0019 ppm	0.0049 ppm
Concentration per Run	4.2072 ppm	0.4581 ppm	0.0243 ppm	11.9093 ppm	0.0528 ppm	0.0002 ppm	0.0055 ppm
Concentration per Run	4.2061 ppm	0.4511 ppm	0.0240 ppm	11.7467 ppm	0.0522 ppm	0.0005 ppm	0.0048 ppm
Concentration RSD	0.0 %	1.0 %	2.3 %	0.7 %	0.6 %	106.9 %	7.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0039 ppm	1.1083 ppm	0.0056 ppm	0.0484 ppm	0.0165 ppm	-0.0006 ppm	0.0051 ppm
Concentration per Run	0.0034 ppm	1.1007 ppm	0.0054 ppm	0.0483 ppm	0.0163 ppm	0.0003 ppm	0.0049 ppm
Concentration per Run	0.0035 ppm	1.1103 ppm	0.0051 ppm	0.0488 ppm	0.0165 ppm	-0.0010 ppm	0.0052 ppm
Concentration per Run	0.0050 ppm	1.1138 ppm	0.0064 ppm	0.0482 ppm	0.0165 ppm	-0.0011 ppm	0.0052 ppm
Concentration RSD	22.5 %	0.6 %	12.0 %	0.6 %	0.8 %	125.8 %	3.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3127 ppm	104.1590 %	107.9777 %	101.5572 %	101.8739 %	106.7630 %	102.6474 %
Concentration per Run	0.3115 ppm	104.8258 %	109.2030 %	102.1934 %	102.0947 %	107.5716 %	102.9547 %
Concentration per Run	0.3127 ppm	104.2525 %	106.8040 %	101.6297 %	102.0999 %	106.4918 %	102.7034 %
Concentration per Run	0.3141 ppm	103.3988 %	107.9261 %	100.8486 %	101.4272 %	106.2256 %	102.2840 %
Concentration RSD	0.4 %	0.7 %	1.1 %	0.7 %	0.4 %	0.7 %	0.3 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: CCV
Analysis started at: 11/26/2025 12:26:17 PM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5020 ppm	0.4950 ppm	0.4726 ppm	0.5011 ppm	0.4987 ppm	0.5059 ppm	0.5054 ppm
Concentration per Run	0.5015 ppm	0.4987 ppm	0.4747 ppm	0.4990 ppm	0.4970 ppm	0.5056 ppm	0.5047 ppm
Concentration per Run	0.5039 ppm	0.4995 ppm	0.4713 ppm	0.5028 ppm	0.5001 ppm	0.5092 ppm	0.5109 ppm
Concentration per Run	0.5005 ppm	0.4869 ppm	0.4717 ppm	0.5014 ppm	0.4990 ppm	0.5028 ppm	0.5007 ppm
Recovery Percentage	100.391 %	99.008 %	94.517 %	100.218 %	99.737 %	101.174 %	101.089 %
Concentration RSD	0.4 %	1.4 %	0.4 %	0.4 %	0.3 %	0.6 %	1.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5082 ppm	0.5140 ppm	0.5078 ppm	0.5152 ppm	0.5102 ppm	5.2439 ppm	0.4951 ppm
Concentration per Run	0.5057 ppm	0.5118 ppm	0.5080 ppm	0.5137 ppm	0.5112 ppm	5.2724 ppm	0.5008 ppm
Concentration per Run	0.5131 ppm	0.5182 ppm	0.5118 ppm	0.5179 ppm	0.5137 ppm	5.2714 ppm	0.4952 ppm
Concentration per Run	0.5058 ppm	0.5120 ppm	0.5038 ppm	0.5142 ppm	0.5058 ppm	5.1879 ppm	0.4895 ppm
Recovery Percentage	101.645 %	102.799 %	101.568 %	103.050 %	102.048 %	104.878 %	99.029 %
Concentration RSD	0.8 %	0.7 %	0.8 %	0.4 %	0.8 %	0.9 %	1.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5046 ppm	0.5096 ppm	0.4962 ppm	10.1152 ppm	0.5157 ppm	0.5021 ppm	0.5177 ppm
Concentration per Run	0.5082 ppm	0.5089 ppm	0.4914 ppm	10.1111 ppm	0.5145 ppm	0.5012 ppm	0.5127 ppm
Concentration per Run	0.5030 ppm	0.5130 ppm	0.5007 ppm	10.1823 ppm	0.5185 ppm	0.5033 ppm	0.5211 ppm
Concentration per Run	0.5026 ppm	0.5070 ppm	0.4965 ppm	10.0523 ppm	0.5142 ppm	0.5019 ppm	0.5191 ppm
Recovery Percentage	100.916 %	101.927 %	99.237 %	101.152 %	103.148 %	100.425 %	103.530 %
Concentration RSD	0.6 %	0.6 %	0.9 %	0.6 %	0.5 %	0.2 %	0.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4852 ppm	5.4100 ppm	0.4998 ppm	0.4893 ppm	0.5020 ppm	0.5095 ppm	0.5094 ppm
Concentration per Run	0.4850 ppm	5.3708 ppm	0.4945 ppm	0.4892 ppm	0.5030 ppm	0.5094 ppm	0.5066 ppm
Concentration per Run	0.4839 ppm	5.4391 ppm	0.5065 ppm	0.4900 ppm	0.5026 ppm	0.5101 ppm	0.5132 ppm
Concentration per Run	0.4866 ppm	5.4201 ppm	0.4984 ppm	0.4887 ppm	0.5003 ppm	0.5091 ppm	0.5084 ppm
Recovery Percentage	97.038 %	103.048 %	99.963 %	97.863 %	100.395 %	101.908 %	101.887 %
Concentration RSD	0.3 %	0.7 %	1.2 %	0.1 %	0.3 %	0.1 %	0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5136 ppm	103.5808 %	104.3184 %	103.9831 %	101.1943 %	103.1938 %	102.1962 %
Concentration per Run	0.5129 ppm	103.5281 %	104.2111 %	103.7951 %	100.6272 %	102.8627 %	102.0358 %
Concentration per Run	0.5178 ppm	103.0003 %	103.9822 %	104.0870 %	100.9188 %	103.5902 %	102.2640 %
Concentration per Run	0.5101 ppm	104.2139 %	104.7618 %	104.0671 %	102.0370 %	103.1286 %	102.2889 %
Recovery Percentage	102.719 %						
Concentration RSD	0.8 %	0.6 %	0.4 %	0.2 %	0.7 %	0.4 %	0.1 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: CCB
Analysis started at: 11/26/2025 12:28:28 PM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0005 ppm	0.0008 ppm	0.0007 ppm	0.0013 ppm	-0.0001 ppm	0.0001 ppm	0.0024 ppm
Concentration per Run	-0.0010 ppm	0.0062 ppm	-0.0011 ppm	0.0011 ppm	-0.0002 ppm	0.0000 ppm	0.0004 ppm
Concentration per Run	0.0000 ppm	-0.0126 ppm	0.0004 ppm	0.0001 ppm	0.0000 ppm	0.0001 ppm	0.0037 ppm
Concentration per Run	-0.0006 ppm	0.0088 ppm	0.0029 ppm	0.0029 ppm	0.0000 ppm	0.0000 ppm	0.0030 ppm
Recovery Percentage	-7.568 %	0.785 %	14.505 %	4.467 %	-0.802 %	1.274 %	2.351 %
Concentration RSD	87.6 %	1,491.0 %	280.6 %	104.4 %	111.3 %	31.4 %	74.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0000 ppm	-0.0004 ppm	0.0001 ppm	0.0043 ppm	0.0051 ppm	0.0001 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0042 ppm	-0.0079 ppm	-0.0003 ppm
Concentration per Run	0.0001 ppm	-0.0004 ppm	-0.0003 ppm	0.0002 ppm	0.0048 ppm	-0.0024 ppm	0.0001 ppm
Concentration per Run	0.0001 ppm	0.0004 ppm	-0.0007 ppm	0.0002 ppm	0.0039 ppm	0.0256 ppm	0.0005 ppm
Recovery Percentage	1.984 %	0.038 %	-3.595 %	1.338 %	8.638 %	0.203 %	1.514 %
Concentration RSD	9.4 %	5,585.0 %	91.4 %	82.6 %	11.0 %	354.0 %	528.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0001 ppm	-0.0001 ppm	0.0003 ppm	0.0145 ppm	-0.0002 ppm	-0.0010 ppm	-0.0001 ppm
Concentration per Run	-0.0008 ppm	-0.0002 ppm	0.0005 ppm	0.0155 ppm	-0.0007 ppm	-0.0008 ppm	0.0003 ppm
Concentration per Run	0.0015 ppm	-0.0001 ppm	0.0003 ppm	0.0209 ppm	-0.0003 ppm	-0.0010 ppm	0.0009 ppm
Concentration per Run	-0.0004 ppm	-0.0001 ppm	0.0000 ppm	0.0072 ppm	0.0005 ppm	-0.0013 ppm	-0.0014 ppm
Recovery Percentage	0.117 %	-1.008 %	0.578 %	0.727 %	-0.648 %	-10.384 %	-0.163 %
Concentration RSD	1,057.8 %	51.4 %	88.7 %	47.5 %	402.0 %	28.8 %	1,468.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0013 ppm	0.0002 ppm	0.0006 ppm	-0.0001 ppm	0.0001 ppm	0.0017 ppm	0.0001 ppm
Concentration per Run	0.0041 ppm	-0.0007 ppm	0.0002 ppm	0.0000 ppm	-0.0004 ppm	0.0004 ppm	0.0002 ppm
Concentration per Run	0.0008 ppm	0.0007 ppm	0.0006 ppm	-0.0001 ppm	0.0000 ppm	0.0021 ppm	0.0000 ppm
Concentration per Run	-0.0011 ppm	0.0007 ppm	0.0010 ppm	0.0000 ppm	0.0006 ppm	0.0026 ppm	0.0000 ppm
Recovery Percentage	12.613 %	0.046 %	1.253 %	-0.589 %	0.525 %	8.578 %	0.586 %
Concentration RSD	211.3 %	369.6 %	63.9 %	125.1 %	895.4 %	65.6 %	147.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0001 ppm	102.4066 %	103.4287 %	103.9656 %	102.2454 %	104.0433 %	103.4361 %
Concentration per Run	0.0000 ppm	102.4452 %	102.3234 %	103.9323 %	101.8828 %	102.9619 %	103.0233 %
Concentration per Run	-0.0001 ppm	102.3113 %	102.5223 %	103.5967 %	102.3296 %	102.8889 %	103.4012 %
Concentration per Run	-0.0003 ppm	102.4633 %	105.4405 %	104.3679 %	102.5238 %	106.2791 %	103.8840 %
Recovery Percentage	-2.200 %						
Concentration RSD	125.7 %	0.1 %	1.7 %	0.4 %	0.3 %	1.9 %	0.4 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2146909-1 WG2146909
Analysis started at: 11/26/2025 12:42:18 PM
Comment <Comment>
Rack Number 1
Vial Numbers 47

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0005 ppm	0.0188 ppm	-0.0003 ppm	0.0076 ppm	0.0002 ppm	0.0000 ppm	0.0444 ppm
Concentration per Run	-0.0011 ppm	0.0131 ppm	-0.0012 ppm	0.0077 ppm	0.0003 ppm	0.0001 ppm	0.0449 ppm
Concentration per Run	-0.0003 ppm	0.0131 ppm	0.0002 ppm	0.0075 ppm	0.0003 ppm	0.0001 ppm	0.0424 ppm
Concentration per Run	-0.0001 ppm	0.0303 ppm	0.0000 ppm	0.0075 ppm	-0.0001 ppm	0.0000 ppm	0.0459 ppm
Recovery Percentage	-6.919 %	18.816 %	-6.915 %	25.182 %	1.642 %	1.139 %	44.402 %
Concentration RSD	105.1 %	52.8 %	216.0 %	1.8 %	145.1 %	33.2 %	4.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	0.0011 ppm	0.0045 ppm	0.0500 ppm	-0.0001 ppm
Concentration per Run	0.0000 ppm	-0.0003 ppm	-0.0001 ppm	0.0009 ppm	0.0062 ppm	0.0610 ppm	-0.0011 ppm
Concentration per Run	0.0000 ppm	-0.0002 ppm	-0.0005 ppm	0.0015 ppm	0.0032 ppm	0.0443 ppm	0.0007 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0008 ppm	0.0042 ppm	0.0449 ppm	0.0000 ppm
Recovery Percentage	-0.065 %	-0.644 %	-0.984 %	10.832 %	9.019 %	2.002 %	-2.602 %
Concentration RSD	224.4 %	178.8 %	412.1 %	34.0 %	33.5 %	19.0 %	694.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0136 ppm	0.0001 ppm	0.0000 ppm	132.9722 ppm	0.0006 ppm	0.0007 ppm	0.0017 ppm
Concentration per Run	0.0113 ppm	0.0000 ppm	0.0003 ppm	133.9977 ppm	0.0008 ppm	-0.0001 ppm	0.0037 ppm
Concentration per Run	0.0159 ppm	0.0000 ppm	0.0000 ppm	132.6119 ppm	-0.0001 ppm	0.0012 ppm	0.0024 ppm
Concentration per Run	0.0137 ppm	0.0002 ppm	-0.0004 ppm	132.3072 ppm	0.0012 ppm	0.0010 ppm	-0.0009 ppm
Recovery Percentage	13.623 %	0.545 %	-0.024 %	6,648.612 %	2.547 %	7.004 %	3.438 %
Concentration RSD	16.9 %	220.8 %	3,245.7 %	0.7 %	108.2 %	102.7 %	138.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0034 ppm	0.0559 ppm	0.0011 ppm	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	0.0001 ppm
Concentration per Run	0.0079 ppm	0.0420 ppm	0.0024 ppm	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	0.0001 ppm
Concentration per Run	0.0022 ppm	0.0645 ppm	-0.0003 ppm	0.0001 ppm	-0.0002 ppm	-0.0009 ppm	0.0001 ppm
Concentration per Run	-0.0001 ppm	0.0611 ppm	0.0014 ppm	0.0000 ppm	0.0000 ppm	0.0008 ppm	0.0001 ppm
Recovery Percentage	33.767 %	11.175 %	2.285 %	0.204 %	-0.874 %	-0.475 %	1.189 %
Concentration RSD	122.0 %	21.7 %	120.3 %	277.3 %	83.6 %	908.8 %	13.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0042 ppm	99.3667 %	103.2222 %	95.9060 %	96.7733 %	101.4255 %	97.7242 %
Concentration per Run	0.0039 ppm	99.4477 %	102.8925 %	96.0720 %	96.7583 %	101.5137 %	97.7093 %
Concentration per Run	0.0043 ppm	99.3011 %	103.1311 %	95.2637 %	96.5824 %	101.3805 %	97.2936 %
Concentration per Run	0.0043 ppm	99.3514 %	103.6429 %	96.3822 %	96.9791 %	101.3824 %	98.1696 %
Recovery Percentage	83.240 %						
Concentration RSD	6.2 %	0.1 %	0.4 %	0.6 %	0.2 %	0.1 %	0.4 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2146909-2 WG2146909
Analysis started at: 11/26/2025 12:44:39 PM
Comment <Comment>
Rack Number 1
Vial Numbers 48

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0419 ppm	1.7706 ppm	0.1084 ppm	0.9160 ppm	1.7436 ppm	0.0439 ppm	9.6309 ppm
Concentration per Run	0.0419 ppm	1.7729 ppm	0.1091 ppm	0.9092 ppm	1.7489 ppm	0.0442 ppm	9.6597 ppm
Concentration per Run	0.0421 ppm	1.7650 ppm	0.1080 ppm	0.9194 ppm	1.7359 ppm	0.0437 ppm	9.6011 ppm
Concentration per Run	0.0418 ppm	1.7740 ppm	0.1081 ppm	0.9193 ppm	1.7459 ppm	0.0439 ppm	9.6319 ppm
Concentration RSD	0.3 %	0.3 %	0.6 %	0.6 %	0.4 %	0.6 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0483 ppm	0.4303 ppm	0.1729 ppm	0.2187 ppm	0.8840 ppm	9.8997 ppm	0.9780 ppm
Concentration per Run	0.0481 ppm	0.4280 ppm	0.1711 ppm	0.2165 ppm	0.8867 ppm	9.9364 ppm	0.9871 ppm
Concentration per Run	0.0484 ppm	0.4313 ppm	0.1744 ppm	0.2200 ppm	0.8806 ppm	9.8665 ppm	0.9753 ppm
Concentration per Run	0.0483 ppm	0.4316 ppm	0.1733 ppm	0.2194 ppm	0.8848 ppm	9.8963 ppm	0.9716 ppm
Concentration RSD	0.3 %	0.5 %	1.0 %	0.8 %	0.4 %	0.4 %	0.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	9.1867 ppm	0.4378 ppm	0.9384 ppm	9.5912 ppm	0.4357 ppm	0.4920 ppm	0.4577 ppm
Concentration per Run	9.1276 ppm	0.4393 ppm	0.9337 ppm	9.6620 ppm	0.4349 ppm	0.4915 ppm	0.4612 ppm
Concentration per Run	9.2460 ppm	0.4370 ppm	0.9385 ppm	9.5420 ppm	0.4355 ppm	0.4931 ppm	0.4572 ppm
Concentration per Run	9.1866 ppm	0.4370 ppm	0.9430 ppm	9.5695 ppm	0.4368 ppm	0.4914 ppm	0.4547 ppm
Concentration RSD	0.6 %	0.3 %	0.5 %	0.7 %	0.2 %	0.2 %	0.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1055 ppm	0.5981 ppm	0.9342 ppm	0.9061 ppm	0.9371 ppm	0.1130 ppm	0.4471 ppm
Concentration per Run	0.1050 ppm	0.5925 ppm	0.9368 ppm	0.9092 ppm	0.9311 ppm	0.1112 ppm	0.4452 ppm
Concentration per Run	0.1039 ppm	0.6018 ppm	0.9348 ppm	0.9016 ppm	0.9426 ppm	0.1144 ppm	0.4478 ppm
Concentration per Run	0.1076 ppm	0.6001 ppm	0.9308 ppm	0.9076 ppm	0.9377 ppm	0.1135 ppm	0.4483 ppm
Concentration RSD	1.8 %	0.8 %	0.3 %	0.4 %	0.6 %	1.5 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4330 ppm	101.7529 %	102.3727 %	99.8282 %	99.7866 %	101.3011 %	99.8517 %
Concentration per Run	0.4298 ppm	101.8805 %	102.3101 %	99.9482 %	99.5344 %	101.6930 %	100.1091 %
Concentration per Run	0.4346 ppm	101.3425 %	102.9762 %	99.7218 %	99.6330 %	101.6281 %	99.7725 %
Concentration per Run	0.4345 ppm	102.0357 %	101.8318 %	99.8146 %	100.1925 %	100.5821 %	99.6736 %
Concentration RSD	0.6 %	0.4 %	0.6 %	0.1 %	0.4 %	0.6 %	0.2 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2575066-01 WG2146909
Analysis started at: 11/26/2025 12:46:48 PM
Comment <Comment>
Rack Number 1
Vial Numbers 49

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0007 ppm	0.0197 ppm	-0.0009 ppm	0.0068 ppm	0.0180 ppm	0.0000 ppm	32.0773 ppm
Concentration per Run	-0.0007 ppm	0.0214 ppm	0.0015 ppm	0.0071 ppm	0.0181 ppm	0.0001 ppm	32.0072 ppm
Concentration per Run	-0.0008 ppm	0.0160 ppm	-0.0011 ppm	0.0072 ppm	0.0179 ppm	0.0000 ppm	32.1342 ppm
Concentration per Run	-0.0006 ppm	0.0216 ppm	-0.0031 ppm	0.0061 ppm	0.0180 ppm	0.0000 ppm	32.0905 ppm
Concentration RSD	16.7 %	16.1 %	258.5 %	9.1 %	0.6 %	42.3 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0000 ppm	0.0007 ppm	0.0218 ppm	0.0049 ppm	0.4311 ppm	0.0039 ppm
Concentration per Run	0.0002 ppm	0.0002 ppm	0.0007 ppm	0.0221 ppm	0.0052 ppm	0.4555 ppm	0.0039 ppm
Concentration per Run	0.0002 ppm	0.0000 ppm	0.0009 ppm	0.0218 ppm	0.0045 ppm	0.4073 ppm	0.0037 ppm
Concentration per Run	0.0003 ppm	-0.0002 ppm	0.0005 ppm	0.0215 ppm	0.0050 ppm	0.4304 ppm	0.0041 ppm
Concentration RSD	16.1 %	24,954.5 %	23.5 %	1.2 %	6.5 %	5.6 %	5.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4840 ppm	0.0166 ppm	0.0005 ppm	132.8989 ppm	0.0009 ppm	0.0201 ppm	0.0018 ppm
Concentration per Run	0.4792 ppm	0.0168 ppm	0.0006 ppm	132.7331 ppm	0.0010 ppm	0.0193 ppm	0.0018 ppm
Concentration per Run	0.4863 ppm	0.0166 ppm	0.0006 ppm	133.1169 ppm	0.0008 ppm	0.0206 ppm	0.0005 ppm
Concentration per Run	0.4867 ppm	0.0164 ppm	0.0004 ppm	132.8468 ppm	0.0008 ppm	0.0202 ppm	0.0031 ppm
Concentration RSD	0.9 %	1.3 %	28.1 %	0.1 %	10.6 %	3.3 %	73.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0050 ppm	0.3480 ppm	0.0008 ppm	0.1135 ppm	0.0008 ppm	0.0005 ppm	0.0006 ppm
Concentration per Run	0.0049 ppm	0.3414 ppm	0.0021 ppm	0.1131 ppm	0.0010 ppm	0.0003 ppm	0.0009 ppm
Concentration per Run	0.0081 ppm	0.3474 ppm	-0.0011 ppm	0.1140 ppm	0.0006 ppm	0.0002 ppm	0.0002 ppm
Concentration per Run	0.0021 ppm	0.3552 ppm	0.0014 ppm	0.1133 ppm	0.0008 ppm	0.0012 ppm	0.0007 ppm
Concentration RSD	59.4 %	2.0 %	202.2 %	0.4 %	23.7 %	101.7 %	63.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0273 ppm	98.6469 %	103.7319 %	95.3928 %	95.9124 %	101.6811 %	97.5472 %
Concentration per Run	0.0270 ppm	98.6380 %	103.8038 %	96.0095 %	95.7761 %	101.7843 %	98.1893 %
Concentration per Run	0.0274 ppm	98.7518 %	104.2252 %	95.4736 %	96.2395 %	102.0674 %	97.5362 %
Concentration per Run	0.0275 ppm	98.5508 %	103.1668 %	94.6952 %	95.7217 %	101.1916 %	96.9162 %
Concentration RSD	0.8 %	0.1 %	0.5 %	0.7 %	0.3 %	0.4 %	0.7 %

ICP DataTrace 11

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LabBook: WG2146815_11262025T11.imexp

Sample: WG2146909-3 WG2146909
Analysis started at: 11/26/2025 12:48:58 PM
Comment <Comment>
Rack Number 1
Vial Numbers 50

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0434 ppm	1.8398 ppm	0.1209 ppm	0.9651 ppm	1.8133 ppm	0.0460 ppm	41.8677 ppm
Concentration per Run	0.0435 ppm	1.8289 ppm	0.1190 ppm	0.9711 ppm	1.8072 ppm	0.0458 ppm	41.7260 ppm
Concentration per Run	0.0436 ppm	1.8635 ppm	0.1226 ppm	0.9661 ppm	1.8164 ppm	0.0463 ppm	42.0695 ppm
Concentration per Run	0.0432 ppm	1.8271 ppm	0.1210 ppm	0.9579 ppm	1.8163 ppm	0.0460 ppm	41.8077 ppm
Concentration RSD	0.4 %	1.1 %	1.5 %	0.7 %	0.3 %	0.5 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0508 ppm	0.4424 ppm	0.1802 ppm	0.2448 ppm	0.9117 ppm	10.6892 ppm	0.9993 ppm
Concentration per Run	0.0511 ppm	0.4433 ppm	0.1810 ppm	0.2448 ppm	0.9089 ppm	10.6698 ppm	0.9905 ppm
Concentration per Run	0.0506 ppm	0.4428 ppm	0.1797 ppm	0.2452 ppm	0.9139 ppm	10.7278 ppm	0.9889 ppm
Concentration per Run	0.0506 ppm	0.4413 ppm	0.1799 ppm	0.2444 ppm	0.9124 ppm	10.6700 ppm	1.0185 ppm
Concentration RSD	0.5 %	0.2 %	0.4 %	0.2 %	0.3 %	0.3 %	1.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	9.6706 ppm	0.4642 ppm	0.9841 ppm	142.7405 ppm	0.4504 ppm	0.5275 ppm	0.4893 ppm
Concentration per Run	9.6021 ppm	0.4643 ppm	0.9834 ppm	141.8995 ppm	0.4504 ppm	0.5272 ppm	0.4914 ppm
Concentration per Run	9.6957 ppm	0.4660 ppm	0.9874 ppm	143.2184 ppm	0.4504 ppm	0.5281 ppm	0.4885 ppm
Concentration per Run	9.7138 ppm	0.4623 ppm	0.9815 ppm	143.1035 ppm	0.4503 ppm	0.5273 ppm	0.4881 ppm
Concentration RSD	0.6 %	0.4 %	0.3 %	0.5 %	0.0 %	0.1 %	0.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1194 ppm	0.9701 ppm	0.9592 ppm	1.0409 ppm	0.9805 ppm	0.1138 ppm	0.4715 ppm
Concentration per Run	0.1189 ppm	0.9683 ppm	0.9538 ppm	1.0369 ppm	0.9761 ppm	0.1144 ppm	0.4711 ppm
Concentration per Run	0.1196 ppm	0.9710 ppm	0.9627 ppm	1.0434 ppm	0.9810 ppm	0.1138 ppm	0.4723 ppm
Concentration per Run	0.1199 ppm	0.9709 ppm	0.9611 ppm	1.0424 ppm	0.9845 ppm	0.1132 ppm	0.4711 ppm
Concentration RSD	0.5 %	0.2 %	0.5 %	0.3 %	0.4 %	0.5 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4891 ppm	98.4381 %	102.5585 %	94.5975 %	95.5164 %	101.1367 %	96.7735 %
Concentration per Run	0.4903 ppm	98.5285 %	102.2456 %	94.5018 %	95.6840 %	100.4886 %	96.6214 %
Concentration per Run	0.4888 ppm	98.1024 %	103.1714 %	94.9048 %	95.1660 %	102.0633 %	97.2522 %
Concentration per Run	0.4883 ppm	98.6833 %	102.2584 %	94.3857 %	95.6992 %	100.8583 %	96.4468 %
Concentration RSD	0.2 %	0.3 %	0.5 %	0.3 %	0.3 %	0.8 %	0.4 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2146909-4 WG2146909
Analysis started at: 11/26/2025 12:51:07 PM
Comment <Comment>
Rack Number 1
Vial Numbers 51

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0004 ppm	0.0239 ppm	0.0006 ppm	0.0046 ppm	0.0182 ppm	0.0001 ppm	32.5305 ppm
Concentration per Run	-0.0001 ppm	0.0168 ppm	0.0003 ppm	0.0051 ppm	0.0183 ppm	0.0000 ppm	32.6276 ppm
Concentration per Run	-0.0003 ppm	0.0273 ppm	-0.0003 ppm	0.0039 ppm	0.0183 ppm	0.0001 ppm	32.4820 ppm
Concentration per Run	-0.0008 ppm	0.0278 ppm	0.0017 ppm	0.0049 ppm	0.0181 ppm	0.0001 ppm	32.4818 ppm
Concentration RSD	93.8 %	26.0 %	172.7 %	13.5 %	0.7 %	52.2 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0002 ppm	0.0008 ppm	0.0220 ppm	0.0111 ppm	0.4507 ppm	0.0048 ppm
Concentration per Run	0.0003 ppm	0.0001 ppm	0.0009 ppm	0.0216 ppm	0.0099 ppm	0.4727 ppm	0.0061 ppm
Concentration per Run	0.0001 ppm	0.0002 ppm	0.0003 ppm	0.0224 ppm	0.0109 ppm	0.4304 ppm	0.0052 ppm
Concentration per Run	0.0002 ppm	0.0003 ppm	0.0012 ppm	0.0220 ppm	0.0126 ppm	0.4490 ppm	0.0033 ppm
Concentration RSD	36.6 %	39.3 %	55.9 %	1.7 %	12.3 %	4.7 %	30.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4870 ppm	0.0171 ppm	0.0007 ppm	134.7682 ppm	0.0020 ppm	0.0194 ppm	0.0026 ppm
Concentration per Run	0.4855 ppm	0.0172 ppm	0.0010 ppm	135.6679 ppm	0.0023 ppm	0.0186 ppm	0.0003 ppm
Concentration per Run	0.4876 ppm	0.0170 ppm	0.0003 ppm	133.8103 ppm	0.0025 ppm	0.0196 ppm	0.0029 ppm
Concentration per Run	0.4878 ppm	0.0173 ppm	0.0009 ppm	134.8264 ppm	0.0012 ppm	0.0199 ppm	0.0045 ppm
Concentration RSD	0.3 %	0.8 %	49.7 %	0.7 %	34.5 %	3.5 %	81.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0024 ppm	0.3547 ppm	0.0005 ppm	0.1154 ppm	0.0009 ppm	0.0009 ppm	0.0006 ppm
Concentration per Run	0.0067 ppm	0.3586 ppm	0.0005 ppm	0.1161 ppm	0.0012 ppm	0.0002 ppm	0.0005 ppm
Concentration per Run	-0.0024 ppm	0.3545 ppm	0.0003 ppm	0.1154 ppm	0.0009 ppm	0.0018 ppm	0.0007 ppm
Concentration per Run	0.0029 ppm	0.3512 ppm	0.0008 ppm	0.1146 ppm	0.0008 ppm	0.0006 ppm	0.0006 ppm
Concentration RSD	187.6 %	1.0 %	48.4 %	0.7 %	21.4 %	96.1 %	16.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0284 ppm	99.3286 %	102.4960 %	95.4850 %	96.5771 %	100.9990 %	97.7017 %
Concentration per Run	0.0283 ppm	99.4356 %	102.3737 %	95.8720 %	96.5399 %	101.5651 %	97.8045 %
Concentration per Run	0.0288 ppm	99.2384 %	102.7042 %	95.9952 %	96.9076 %	100.9773 %	98.3285 %
Concentration per Run	0.0281 ppm	99.3120 %	102.4102 %	94.5879 %	96.2838 %	100.4545 %	96.9720 %
Concentration RSD	1.2 %	0.1 %	0.2 %	0.8 %	0.3 %	0.6 %	0.7 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2575066-09 WG2146909
Analysis started at: 11/26/2025 12:53:59 PM
Comment <Comment>
Rack Number 1
Vial Numbers 59

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0008 ppm	0.0248 ppm	-0.0029 ppm	0.0054 ppm	0.0427 ppm	0.0000 ppm	31.5721 ppm
Concentration per Run	-0.0009 ppm	0.0250 ppm	-0.0023 ppm	0.0045 ppm	0.0427 ppm	0.0000 ppm	31.7022 ppm
Concentration per Run	-0.0010 ppm	0.0253 ppm	-0.0047 ppm	0.0061 ppm	0.0426 ppm	0.0000 ppm	31.5217 ppm
Concentration per Run	-0.0005 ppm	0.0242 ppm	-0.0017 ppm	0.0055 ppm	0.0427 ppm	0.0000 ppm	31.4923 ppm
Concentration RSD	29.6 %	2.3 %	55.1 %	15.4 %	0.2 %	21.2 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0014 ppm	0.0004 ppm	-0.0004 ppm	0.0051 ppm	0.0048 ppm	0.4106 ppm	0.0031 ppm
Concentration per Run	0.0013 ppm	0.0008 ppm	-0.0001 ppm	0.0050 ppm	0.0047 ppm	0.4343 ppm	0.0021 ppm
Concentration per Run	0.0013 ppm	0.0002 ppm	-0.0003 ppm	0.0053 ppm	0.0049 ppm	0.3777 ppm	0.0028 ppm
Concentration per Run	0.0014 ppm	0.0002 ppm	-0.0008 ppm	0.0049 ppm	0.0048 ppm	0.4198 ppm	0.0044 ppm
Concentration RSD	2.3 %	89.6 %	81.7 %	4.4 %	1.9 %	7.2 %	37.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5797 ppm	0.0255 ppm	0.0001 ppm	129.6211 ppm	0.0044 ppm	0.4288 ppm	0.0028 ppm
Concentration per Run	0.5798 ppm	0.0260 ppm	0.0002 ppm	130.1181 ppm	0.0053 ppm	0.4260 ppm	0.0015 ppm
Concentration per Run	0.5762 ppm	0.0254 ppm	0.0003 ppm	129.4876 ppm	0.0038 ppm	0.4306 ppm	0.0061 ppm
Concentration per Run	0.5832 ppm	0.0251 ppm	-0.0001 ppm	129.2576 ppm	0.0042 ppm	0.4299 ppm	0.0008 ppm
Concentration RSD	0.6 %	1.7 %	201.2 %	0.3 %	17.3 %	0.6 %	103.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0017 ppm	0.4372 ppm	0.0009 ppm	0.1382 ppm	0.0003 ppm	0.0004 ppm	0.0002 ppm
Concentration per Run	-0.0006 ppm	0.4381 ppm	0.0001 ppm	0.1385 ppm	-0.0001 ppm	-0.0005 ppm	0.0003 ppm
Concentration per Run	0.0036 ppm	0.4366 ppm	0.0017 ppm	0.1379 ppm	0.0002 ppm	-0.0005 ppm	0.0004 ppm
Concentration per Run	0.0022 ppm	0.4370 ppm	0.0008 ppm	0.1382 ppm	0.0008 ppm	0.0021 ppm	-0.0001 ppm
Concentration RSD	125.9 %	0.2 %	97.5 %	0.2 %	168.8 %	385.5 %	153.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2364 ppm	98.6969 %	103.3151 %	95.9723 %	96.2065 %	101.7172 %	97.8634 %
Concentration per Run	0.2368 ppm	98.7929 %	102.9615 %	96.2705 %	95.9760 %	101.6887 %	97.9511 %
Concentration per Run	0.2353 ppm	99.0013 %	104.0323 %	95.9626 %	96.5299 %	102.3133 %	98.0024 %
Concentration per Run	0.2371 ppm	98.2965 %	102.9515 %	95.6840 %	96.1136 %	101.1495 %	97.6366 %
Concentration RSD	0.4 %	0.4 %	0.6 %	0.3 %	0.3 %	0.6 %	0.2 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2575066-10 WG2146909
Analysis started at: 11/26/2025 12:56:09 PM
Comment <Comment>
Rack Number 1
Vial Numbers 60

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0005 ppm	0.0248 ppm	0.0016 ppm	0.0074 ppm	0.0124 ppm	0.0000 ppm	13.5122 ppm
Concentration per Run	-0.0007 ppm	0.0319 ppm	0.0031 ppm	0.0060 ppm	0.0125 ppm	0.0001 ppm	13.5586 ppm
Concentration per Run	-0.0001 ppm	0.0217 ppm	0.0015 ppm	0.0085 ppm	0.0124 ppm	0.0000 ppm	13.5207 ppm
Concentration per Run	-0.0006 ppm	0.0209 ppm	0.0003 ppm	0.0076 ppm	0.0123 ppm	0.0001 ppm	13.4575 ppm
Concentration RSD	63.7 %	24.5 %	88.4 %	17.3 %	1.0 %	135.1 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0013 ppm	0.0000 ppm	0.0021 ppm	0.0084 ppm	0.4499 ppm	0.0042 ppm
Concentration per Run	0.0002 ppm	0.0013 ppm	0.0002 ppm	0.0020 ppm	0.0079 ppm	0.4465 ppm	0.0043 ppm
Concentration per Run	0.0001 ppm	0.0017 ppm	-0.0001 ppm	0.0020 ppm	0.0077 ppm	0.4376 ppm	0.0035 ppm
Concentration per Run	0.0002 ppm	0.0011 ppm	-0.0002 ppm	0.0021 ppm	0.0096 ppm	0.4657 ppm	0.0048 ppm
Concentration RSD	42.2 %	24.4 %	1,399.7 %	3.3 %	12.2 %	3.2 %	15.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.6926 ppm	0.0717 ppm	0.0003 ppm	130.5940 ppm	0.0045 ppm	-0.0001 ppm	0.0044 ppm
Concentration per Run	0.6916 ppm	0.0719 ppm	0.0002 ppm	131.2065 ppm	0.0033 ppm	0.0001 ppm	0.0033 ppm
Concentration per Run	0.6914 ppm	0.0719 ppm	0.0004 ppm	131.2181 ppm	0.0048 ppm	0.0007 ppm	0.0056 ppm
Concentration per Run	0.6947 ppm	0.0713 ppm	0.0002 ppm	129.3573 ppm	0.0054 ppm	-0.0010 ppm	0.0043 ppm
Concentration RSD	0.3 %	0.5 %	51.9 %	0.8 %	23.5 %	1,515.7 %	26.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0015 ppm	0.4451 ppm	0.0005 ppm	0.0587 ppm	0.0002 ppm	0.0008 ppm	0.0005 ppm
Concentration per Run	0.0020 ppm	0.4426 ppm	0.0004 ppm	0.0590 ppm	0.0003 ppm	-0.0017 ppm	0.0007 ppm
Concentration per Run	-0.0022 ppm	0.4419 ppm	0.0001 ppm	0.0587 ppm	-0.0004 ppm	0.0024 ppm	0.0004 ppm
Concentration per Run	0.0048 ppm	0.4507 ppm	0.0011 ppm	0.0584 ppm	0.0007 ppm	0.0018 ppm	0.0003 ppm
Concentration RSD	231.6 %	1.1 %	97.5 %	0.5 %	288.1 %	267.8 %	50.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1565 ppm	99.0790 %	102.9695 %	95.9216 %	96.3472 %	101.5381 %	97.6078 %
Concentration per Run	0.1567 ppm	98.7866 %	102.5068 %	95.9057 %	95.8598 %	101.4907 %	97.7760 %
Concentration per Run	0.1576 ppm	98.9144 %	102.5081 %	95.9689 %	96.4496 %	101.2141 %	97.2513 %
Concentration per Run	0.1552 ppm	99.5360 %	103.8937 %	95.8901 %	96.7323 %	101.9094 %	97.7961 %
Concentration RSD	0.8 %	0.4 %	0.8 %	0.0 %	0.5 %	0.3 %	0.3 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2575066-02 WG2146909
Analysis started at: 11/26/2025 12:58:19 PM
Comment <Comment>
Rack Number 1
Vial Numbers 52

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0008 ppm	0.0172 ppm	-0.0009 ppm	0.0066 ppm	0.0084 ppm	0.0000 ppm	24.0013 ppm
Concentration per Run	-0.0006 ppm	0.0130 ppm	-0.0007 ppm	0.0071 ppm	0.0083 ppm	0.0001 ppm	23.9810 ppm
Concentration per Run	-0.0004 ppm	0.0219 ppm	-0.0005 ppm	0.0061 ppm	0.0085 ppm	0.0000 ppm	23.9903 ppm
Concentration per Run	-0.0012 ppm	0.0167 ppm	-0.0014 ppm	0.0066 ppm	0.0083 ppm	0.0000 ppm	24.0327 ppm
Concentration RSD	50.3 %	25.9 %	51.7 %	7.6 %	1.5 %	122.7 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0010 ppm	0.0000 ppm	0.0017 ppm	0.0143 ppm	0.3224 ppm	0.0039 ppm
Concentration per Run	0.0000 ppm	0.0013 ppm	0.0001 ppm	0.0016 ppm	0.0146 ppm	0.3482 ppm	0.0038 ppm
Concentration per Run	0.0002 ppm	0.0005 ppm	-0.0008 ppm	0.0016 ppm	0.0128 ppm	0.2935 ppm	0.0038 ppm
Concentration per Run	0.0001 ppm	0.0012 ppm	0.0007 ppm	0.0020 ppm	0.0155 ppm	0.3254 ppm	0.0040 ppm
Concentration RSD	118.4 %	44.1 %	9,322.8 %	14.9 %	9.6 %	8.5 %	3.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.3518 ppm	0.0391 ppm	-0.0001 ppm	134.4730 ppm	0.0029 ppm	0.0033 ppm	0.0019 ppm
Concentration per Run	0.3485 ppm	0.0391 ppm	-0.0001 ppm	133.9176 ppm	0.0030 ppm	0.0038 ppm	0.0024 ppm
Concentration per Run	0.3504 ppm	0.0389 ppm	-0.0001 ppm	135.0070 ppm	0.0032 ppm	0.0032 ppm	0.0013 ppm
Concentration per Run	0.3566 ppm	0.0392 ppm	0.0000 ppm	134.4945 ppm	0.0025 ppm	0.0030 ppm	0.0019 ppm
Concentration RSD	1.2 %	0.4 %	78.4 %	0.4 %	13.7 %	12.4 %	30.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0016 ppm	0.3699 ppm	0.0004 ppm	0.0718 ppm	-0.0001 ppm	0.0007 ppm	0.0002 ppm
Concentration per Run	0.0049 ppm	0.3667 ppm	0.0006 ppm	0.0717 ppm	-0.0001 ppm	0.0002 ppm	0.0003 ppm
Concentration per Run	0.0013 ppm	0.3616 ppm	0.0014 ppm	0.0719 ppm	0.0000 ppm	0.0010 ppm	0.0003 ppm
Concentration per Run	-0.0013 ppm	0.3812 ppm	-0.0007 ppm	0.0718 ppm	-0.0001 ppm	0.0009 ppm	-0.0001 ppm
Concentration RSD	191.8 %	2.7 %	246.9 %	0.1 %	71.4 %	57.9 %	115.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0186 ppm	97.5154 %	103.0756 %	95.7781 %	94.7628 %	100.8864 %	97.5612 %
Concentration per Run	0.0189 ppm	96.4521 %	103.1312 %	95.8096 %	93.5277 %	100.7923 %	97.5525 %
Concentration per Run	0.0182 ppm	97.9752 %	102.8087 %	95.8910 %	95.6786 %	100.8505 %	97.6896 %
Concentration per Run	0.0187 ppm	98.1188 %	103.2868 %	95.6338 %	95.0820 %	101.0165 %	97.4414 %
Concentration RSD	2.0 %	0.9 %	0.2 %	0.1 %	1.2 %	0.1 %	0.1 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2575066-03 WG2146909
Analysis started at: 11/26/2025 1:00:28 PM
Comment <Comment>
Rack Number 1
Vial Numbers 53

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0006 ppm	0.0046 ppm	0.0003 ppm	0.0088 ppm	0.0109 ppm	0.0000 ppm	66.5202 ppm
Concentration per Run	-0.0009 ppm	0.0060 ppm	-0.0003 ppm	0.0080 ppm	0.0110 ppm	0.0000 ppm	66.4931 ppm
Concentration per Run	-0.0001 ppm	0.0165 ppm	0.0002 ppm	0.0108 ppm	0.0109 ppm	0.0000 ppm	66.6298 ppm
Concentration per Run	-0.0008 ppm	-0.0088 ppm	0.0010 ppm	0.0077 ppm	0.0108 ppm	0.0000 ppm	66.4379 ppm
Concentration RSD	75.2 %	278.5 %	215.6 %	19.0 %	0.9 %	19.2 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0003 ppm	-0.0002 ppm	-0.0005 ppm	0.2665 ppm	0.0034 ppm	1.1068 ppm	0.0084 ppm
Concentration per Run	0.0003 ppm	-0.0006 ppm	-0.0005 ppm	0.2668 ppm	0.0035 ppm	1.1281 ppm	0.0106 ppm
Concentration per Run	0.0004 ppm	-0.0002 ppm	-0.0003 ppm	0.2643 ppm	0.0025 ppm	1.1043 ppm	0.0061 ppm
Concentration per Run	0.0002 ppm	0.0000 ppm	-0.0007 ppm	0.2684 ppm	0.0043 ppm	1.0879 ppm	0.0086 ppm
Concentration RSD	24.1 %	139.0 %	41.8 %	0.8 %	26.2 %	1.8 %	27.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	3.6046 ppm	0.1128 ppm	0.0000 ppm	130.0140 ppm	0.0031 ppm	0.0015 ppm	0.0014 ppm
Concentration per Run	3.6014 ppm	0.1129 ppm	0.0001 ppm	130.4017 ppm	0.0031 ppm	0.0022 ppm	0.0003 ppm
Concentration per Run	3.5997 ppm	0.1132 ppm	-0.0002 ppm	130.2279 ppm	0.0035 ppm	-0.0002 ppm	0.0042 ppm
Concentration per Run	3.6128 ppm	0.1124 ppm	0.0000 ppm	129.4123 ppm	0.0027 ppm	0.0023 ppm	-0.0003 ppm
Concentration RSD	0.2 %	0.3 %	625.7 %	0.4 %	12.9 %	96.3 %	173.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0012 ppm	1.3175 ppm	-0.0007 ppm	0.1904 ppm	0.0001 ppm	0.0005 ppm	0.0007 ppm
Concentration per Run	0.0037 ppm	1.3116 ppm	-0.0018 ppm	0.1913 ppm	-0.0001 ppm	0.0007 ppm	0.0007 ppm
Concentration per Run	0.0003 ppm	1.3216 ppm	-0.0007 ppm	0.1902 ppm	0.0002 ppm	-0.0004 ppm	0.0008 ppm
Concentration per Run	-0.0006 ppm	1.3194 ppm	0.0002 ppm	0.1896 ppm	0.0001 ppm	0.0013 ppm	0.0006 ppm
Concentration RSD	195.5 %	0.4 %	133.7 %	0.5 %	229.5 %	162.9 %	10.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0669 ppm	98.3804 %	102.9077 %	94.5119 %	95.4123 %	100.5149 %	96.7329 %
Concentration per Run	0.0664 ppm	98.1252 %	103.7837 %	94.5667 %	95.0295 %	101.4049 %	96.9987 %
Concentration per Run	0.0671 ppm	98.8298 %	102.4689 %	94.1687 %	95.6940 %	100.5202 %	96.5262 %
Concentration per Run	0.0672 ppm	98.1861 %	102.4706 %	94.8002 %	95.5134 %	99.6197 %	96.6739 %
Concentration RSD	0.6 %	0.4 %	0.7 %	0.3 %	0.4 %	0.9 %	0.2 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2575066-04 WG2146909
Analysis started at: 11/26/2025 1:02:38 PM
Comment <Comment>
Rack Number 1
Vial Numbers 54

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0003 ppm	0.0215 ppm	-0.0014 ppm	0.0068 ppm	0.0298 ppm	0.0001 ppm	22.2228 ppm
Concentration per Run	0.0000 ppm	0.0137 ppm	-0.0013 ppm	0.0053 ppm	0.0300 ppm	0.0001 ppm	22.3211 ppm
Concentration per Run	-0.0007 ppm	0.0228 ppm	-0.0004 ppm	0.0077 ppm	0.0303 ppm	0.0001 ppm	22.3687 ppm
Concentration per Run	-0.0003 ppm	0.0279 ppm	-0.0025 ppm	0.0074 ppm	0.0292 ppm	0.0000 ppm	21.9786 ppm
Concentration RSD	96.0 %	33.4 %	73.8 %	18.9 %	1.8 %	54.2 %	1.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0035 ppm	-0.0004 ppm	0.0048 ppm	0.0154 ppm	0.3707 ppm	0.0027 ppm
Concentration per Run	0.0002 ppm	0.0029 ppm	-0.0002 ppm	0.0050 ppm	0.0165 ppm	0.4020 ppm	0.0040 ppm
Concentration per Run	0.0001 ppm	0.0035 ppm	-0.0005 ppm	0.0043 ppm	0.0149 ppm	0.3595 ppm	0.0040 ppm
Concentration per Run	0.0001 ppm	0.0039 ppm	-0.0005 ppm	0.0050 ppm	0.0147 ppm	0.3504 ppm	0.0002 ppm
Concentration RSD	24.3 %	14.9 %	33.9 %	7.8 %	6.5 %	7.4 %	79.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.7050 ppm	0.1931 ppm	0.0001 ppm	130.3987 ppm	0.0048 ppm	0.0079 ppm	0.0012 ppm
Concentration per Run	0.7033 ppm	0.1944 ppm	-0.0002 ppm	131.0450 ppm	0.0054 ppm	0.0084 ppm	0.0009 ppm
Concentration per Run	0.7068 ppm	0.1941 ppm	0.0001 ppm	131.8881 ppm	0.0044 ppm	0.0075 ppm	0.0046 ppm
Concentration per Run	0.7050 ppm	0.1909 ppm	0.0005 ppm	128.2630 ppm	0.0045 ppm	0.0078 ppm	-0.0020 ppm
Concentration RSD	0.3 %	1.0 %	274.6 %	1.5 %	11.6 %	5.7 %	290.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0055 ppm	0.4144 ppm	0.0024 ppm	0.0697 ppm	-0.0001 ppm	0.0015 ppm	0.0001 ppm
Concentration per Run	0.0036 ppm	0.4013 ppm	0.0025 ppm	0.0702 ppm	-0.0004 ppm	0.0018 ppm	0.0003 ppm
Concentration per Run	0.0060 ppm	0.4204 ppm	0.0026 ppm	0.0703 ppm	0.0004 ppm	0.0010 ppm	0.0003 ppm
Concentration per Run	0.0069 ppm	0.4214 ppm	0.0022 ppm	0.0686 ppm	-0.0003 ppm	0.0018 ppm	-0.0003 ppm
Concentration RSD	31.4 %	2.7 %	9.6 %	1.4 %	493.6 %	30.7 %	394.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0805 ppm	99.6981 %	103.8970 %	96.4534 %	96.4429 %	101.7830 %	98.2823 %
Concentration per Run	0.0797 ppm	100.1948 %	103.6161 %	95.4090 %	96.3629 %	102.1450 %	96.9541 %
Concentration per Run	0.0813 ppm	99.1548 %	103.3916 %	97.2158 %	96.2363 %	102.0850 %	99.0701 %
Concentration per Run	0.0807 ppm	99.7448 %	104.6833 %	96.7355 %	96.7294 %	101.1189 %	98.8226 %
Concentration RSD	1.0 %	0.5 %	0.7 %	1.0 %	0.3 %	0.6 %	1.2 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: CCV
Analysis started at: 11/26/2025 1:04:48 PM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4954 ppm	0.4820 ppm	0.4674 ppm	0.4963 ppm	0.4938 ppm	0.5015 ppm	0.4992 ppm
Concentration per Run	0.4933 ppm	0.4890 ppm	0.4673 ppm	0.4952 ppm	0.4924 ppm	0.5004 ppm	0.5038 ppm
Concentration per Run	0.4966 ppm	0.4822 ppm	0.4668 ppm	0.5011 ppm	0.4977 ppm	0.5050 ppm	0.4986 ppm
Concentration per Run	0.4962 ppm	0.4748 ppm	0.4681 ppm	0.4927 ppm	0.4914 ppm	0.4990 ppm	0.4951 ppm
Recovery Percentage	99.071 %	96.397 %	93.482 %	99.267 %	98.769 %	100.293 %	99.832 %
Concentration RSD	0.4 %	1.5 %	0.1 %	0.9 %	0.7 %	0.6 %	0.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5054 ppm	0.5109 ppm	0.5029 ppm	0.5095 ppm	0.5001 ppm	5.1926 ppm	0.4868 ppm
Concentration per Run	0.5028 ppm	0.5073 ppm	0.4988 ppm	0.5066 ppm	0.5004 ppm	5.1818 ppm	0.4780 ppm
Concentration per Run	0.5079 ppm	0.5130 ppm	0.5069 ppm	0.5112 ppm	0.5043 ppm	5.2191 ppm	0.4906 ppm
Concentration per Run	0.5054 ppm	0.5124 ppm	0.5029 ppm	0.5107 ppm	0.4957 ppm	5.1769 ppm	0.4917 ppm
Recovery Percentage	101.072 %	102.177 %	100.573 %	101.901 %	100.025 %	103.852 %	97.353 %
Concentration RSD	0.5 %	0.6 %	0.8 %	0.5 %	0.9 %	0.4 %	1.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5021 ppm	0.5050 ppm	0.4928 ppm	10.0264 ppm	0.5140 ppm	0.4967 ppm	0.5151 ppm
Concentration per Run	0.4998 ppm	0.5056 ppm	0.4893 ppm	10.0342 ppm	0.5144 ppm	0.4952 ppm	0.5113 ppm
Concentration per Run	0.5014 ppm	0.5075 ppm	0.4945 ppm	10.1096 ppm	0.5142 ppm	0.4981 ppm	0.5195 ppm
Concentration per Run	0.5050 ppm	0.5020 ppm	0.4944 ppm	9.9355 ppm	0.5133 ppm	0.4968 ppm	0.5144 ppm
Recovery Percentage	100.414 %	101.009 %	98.550 %	100.264 %	102.793 %	99.338 %	103.012 %
Concentration RSD	0.5 %	0.5 %	0.6 %	0.9 %	0.1 %	0.3 %	0.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4784 ppm	5.3639 ppm	0.4967 ppm	0.4841 ppm	0.4971 ppm	0.5031 ppm	0.5048 ppm
Concentration per Run	0.4798 ppm	5.3312 ppm	0.4959 ppm	0.4830 ppm	0.4965 ppm	0.5019 ppm	0.5015 ppm
Concentration per Run	0.4774 ppm	5.3800 ppm	0.4956 ppm	0.4869 ppm	0.4965 ppm	0.5033 ppm	0.5072 ppm
Concentration per Run	0.4779 ppm	5.3805 ppm	0.4985 ppm	0.4823 ppm	0.4983 ppm	0.5042 ppm	0.5055 ppm
Recovery Percentage	95.673 %	102.170 %	99.340 %	96.816 %	99.427 %	100.628 %	100.953 %
Concentration RSD	0.3 %	0.5 %	0.3 %	0.5 %	0.2 %	0.2 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5108 ppm	103.3356 %	104.1149 %	104.2354 %	100.8059 %	102.8960 %	102.4795 %
Concentration per Run	0.5080 ppm	103.7438 %	104.1521 %	104.3894 %	100.6931 %	102.9768 %	102.4000 %
Concentration per Run	0.5134 ppm	103.0276 %	103.1762 %	103.7611 %	100.7408 %	102.7573 %	102.0725 %
Concentration per Run	0.5110 ppm	103.2354 %	105.0165 %	104.5556 %	100.9838 %	102.9538 %	102.9661 %
Recovery Percentage	102.158 %						
Concentration RSD	0.5 %	0.4 %	0.9 %	0.4 %	0.2 %	0.1 %	0.4 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: CCB
Analysis started at: 11/26/2025 1:06:58 PM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0005 ppm	0.0056 ppm	0.0003 ppm	0.0006 ppm	-0.0001 ppm	0.0000 ppm	0.0032 ppm
Concentration per Run	-0.0007 ppm	0.0007 ppm	0.0006 ppm	0.0012 ppm	-0.0001 ppm	0.0000 ppm	0.0033 ppm
Concentration per Run	-0.0004 ppm	0.0018 ppm	-0.0015 ppm	-0.0004 ppm	-0.0001 ppm	0.0000 ppm	0.0044 ppm
Concentration per Run	-0.0004 ppm	0.0142 ppm	0.0017 ppm	0.0008 ppm	-0.0001 ppm	0.0001 ppm	0.0018 ppm
Recovery Percentage	-7.390 %	5.562 %	5.251 %	1.861 %	-1.250 %	0.860 %	3.162 %
Concentration RSD	32.6 %	135.0 %	619.0 %	147.7 %	9.0 %	85.0 %	41.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0003 ppm	-0.0004 ppm	0.0005 ppm	0.0018 ppm	0.0173 ppm	0.0010 ppm
Concentration per Run	0.0001 ppm	-0.0007 ppm	-0.0003 ppm	0.0006 ppm	0.0010 ppm	0.0183 ppm	0.0011 ppm
Concentration per Run	0.0000 ppm	-0.0004 ppm	-0.0008 ppm	0.0002 ppm	0.0020 ppm	0.0292 ppm	0.0021 ppm
Concentration per Run	0.0002 ppm	0.0002 ppm	-0.0003 ppm	0.0005 ppm	0.0023 ppm	0.0044 ppm	-0.0001 ppm
Recovery Percentage	1.865 %	-1.523 %	-4.355 %	4.502 %	3.553 %	0.692 %	20.552 %
Concentration RSD	74.3 %	161.5 %	70.2 %	45.4 %	39.1 %	72.0 %	103.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0001 ppm	-0.0002 ppm	0.0002 ppm	0.0386 ppm	0.0004 ppm	-0.0001 ppm	-0.0004 ppm
Concentration per Run	-0.0011 ppm	-0.0003 ppm	0.0001 ppm	0.0436 ppm	0.0007 ppm	0.0002 ppm	0.0003 ppm
Concentration per Run	0.0010 ppm	-0.0001 ppm	0.0001 ppm	0.0362 ppm	0.0006 ppm	0.0003 ppm	-0.0011 ppm
Concentration per Run	-0.0001 ppm	-0.0002 ppm	0.0002 ppm	0.0361 ppm	-0.0002 ppm	-0.0008 ppm	-0.0006 ppm
Recovery Percentage	-0.106 %	-2.358 %	0.335 %	1.931 %	1.402 %	-1.301 %	-0.872 %
Concentration RSD	996.3 %	36.3 %	33.4 %	11.2 %	145.0 %	450.0 %	162.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0022 ppm	-0.0017 ppm	0.0005 ppm	-0.0001 ppm	0.0003 ppm	0.0017 ppm	0.0000 ppm
Concentration per Run	0.0035 ppm	-0.0038 ppm	0.0010 ppm	0.0000 ppm	0.0005 ppm	0.0018 ppm	-0.0002 ppm
Concentration per Run	0.0007 ppm	-0.0012 ppm	0.0012 ppm	-0.0001 ppm	0.0006 ppm	0.0014 ppm	0.0000 ppm
Concentration per Run	0.0025 ppm	-0.0003 ppm	-0.0005 ppm	-0.0002 ppm	-0.0001 ppm	0.0018 ppm	0.0000 ppm
Recovery Percentage	22.444 %	-0.350 %	1.098 %	-0.914 %	3.474 %	8.410 %	-0.430 %
Concentration RSD	63.2 %	102.1 %	166.0 %	93.4 %	119.6 %	12.5 %	307.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0001 ppm	101.7658 %	102.1833 %	102.9796 %	101.8746 %	102.5597 %	102.5508 %
Concentration per Run	0.0000 ppm	102.1349 %	101.4157 %	103.4279 %	102.0575 %	102.2876 %	102.8371 %
Concentration per Run	0.0000 ppm	101.4413 %	102.5652 %	102.8627 %	101.2503 %	102.3728 %	102.5343 %
Concentration per Run	-0.0002 ppm	101.7212 %	102.5689 %	102.6480 %	102.3159 %	103.0188 %	102.2811 %
Recovery Percentage	-1.461 %						
Concentration RSD	122.6 %	0.3 %	0.7 %	0.4 %	0.5 %	0.4 %	0.3 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2575066-05 WG2146909
Analysis started at: 11/26/2025 1:15:59 PM
Comment <Comment>
Rack Number 1
Vial Numbers 55

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0003 ppm	0.0044 ppm	0.0017 ppm	0.0083 ppm	0.0452 ppm	0.0001 ppm	79.0653 ppm
Concentration per Run	-0.0002 ppm	0.0048 ppm	0.0003 ppm	0.0086 ppm	0.0453 ppm	0.0000 ppm	79.0747 ppm
Concentration per Run	-0.0005 ppm	-0.0003 ppm	0.0034 ppm	0.0077 ppm	0.0453 ppm	0.0001 ppm	79.1306 ppm
Concentration per Run	-0.0002 ppm	0.0087 ppm	0.0015 ppm	0.0087 ppm	0.0450 ppm	0.0001 ppm	78.9905 ppm
Concentration RSD	55.4 %	102.0 %	89.1 %	6.4 %	0.3 %	50.3 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0003 ppm	-0.0001 ppm	0.0003 ppm	0.0008 ppm	0.0348 ppm	0.6076 ppm	0.0060 ppm
Concentration per Run	0.0002 ppm	-0.0004 ppm	0.0002 ppm	0.0008 ppm	0.0342 ppm	0.6318 ppm	0.0074 ppm
Concentration per Run	0.0004 ppm	0.0001 ppm	0.0008 ppm	0.0009 ppm	0.0361 ppm	0.5997 ppm	0.0041 ppm
Concentration per Run	0.0002 ppm	-0.0001 ppm	-0.0001 ppm	0.0006 ppm	0.0342 ppm	0.5911 ppm	0.0065 ppm
Concentration RSD	33.2 %	204.9 %	151.4 %	21.9 %	3.2 %	3.5 %	28.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	2.0614 ppm	0.0054 ppm	0.0004 ppm	130.8171 ppm	0.0012 ppm	0.0001 ppm	0.0011 ppm
Concentration per Run	2.0561 ppm	0.0055 ppm	0.0002 ppm	131.0300 ppm	0.0016 ppm	-0.0005 ppm	-0.0009 ppm
Concentration per Run	2.0634 ppm	0.0055 ppm	0.0003 ppm	130.9109 ppm	0.0018 ppm	0.0009 ppm	0.0019 ppm
Concentration per Run	2.0648 ppm	0.0053 ppm	0.0006 ppm	130.5103 ppm	0.0003 ppm	-0.0002 ppm	0.0022 ppm
Concentration RSD	0.2 %	1.7 %	50.1 %	0.2 %	64.8 %	1,108.5 %	155.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0027 ppm	0.8960 ppm	-0.0001 ppm	0.3693 ppm	0.0001 ppm	0.0005 ppm	0.0004 ppm
Concentration per Run	0.0042 ppm	0.8804 ppm	0.0010 ppm	0.3713 ppm	-0.0001 ppm	0.0019 ppm	0.0003 ppm
Concentration per Run	0.0022 ppm	0.9185 ppm	-0.0007 ppm	0.3681 ppm	0.0003 ppm	-0.0015 ppm	0.0004 ppm
Concentration per Run	0.0018 ppm	0.8891 ppm	-0.0006 ppm	0.3686 ppm	0.0000 ppm	0.0009 ppm	0.0005 ppm
Concentration RSD	47.1 %	2.2 %	1,085.1 %	0.5 %	201.2 %	375.2 %	27.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0151 ppm	97.8223 %	103.6044 %	94.3153 %	94.9007 %	102.0682 %	96.8121 %
Concentration per Run	0.0151 ppm	98.0489 %	103.1054 %	93.7085 %	95.0415 %	101.3744 %	95.8488 %
Concentration per Run	0.0150 ppm	97.7722 %	103.4892 %	94.7033 %	94.9041 %	102.2158 %	97.4852 %
Concentration per Run	0.0151 ppm	97.6459 %	104.2187 %	94.5341 %	94.7564 %	102.6144 %	97.1022 %
Concentration RSD	0.4 %	0.2 %	0.5 %	0.6 %	0.2 %	0.6 %	0.9 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2575066-06 WG2146909
Analysis started at: 11/26/2025 1:18:14 PM
Comment <Comment>
Rack Number 1
Vial Numbers 56

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0003 ppm	0.0173 ppm	-0.0009 ppm	0.0075 ppm	0.0008 ppm	0.0001 ppm	7.1445 ppm
Concentration per Run	-0.0005 ppm	0.0103 ppm	-0.0005 ppm	0.0074 ppm	0.0008 ppm	0.0000 ppm	7.1470 ppm
Concentration per Run	-0.0004 ppm	0.0281 ppm	-0.0024 ppm	0.0076 ppm	0.0009 ppm	0.0001 ppm	7.1296 ppm
Concentration per Run	-0.0001 ppm	0.0136 ppm	0.0001 ppm	0.0075 ppm	0.0008 ppm	0.0001 ppm	7.1568 ppm
Concentration RSD	52.6 %	54.8 %	139.7 %	1.4 %	7.3 %	80.0 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0002 ppm	0.0000 ppm	0.0011 ppm	0.0132 ppm	0.5666 ppm	0.0013 ppm
Concentration per Run	0.0001 ppm	0.0002 ppm	0.0001 ppm	0.0010 ppm	0.0139 ppm	0.5584 ppm	0.0008 ppm
Concentration per Run	0.0000 ppm	-0.0007 ppm	-0.0003 ppm	0.0011 ppm	0.0121 ppm	0.5879 ppm	0.0012 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	0.0001 ppm	0.0011 ppm	0.0137 ppm	0.5534 ppm	0.0018 ppm
Concentration RSD	67.4 %	266.8 %	726.4 %	8.7 %	7.4 %	3.3 %	37.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.3449 ppm	0.0028 ppm	0.0000 ppm	134.8990 ppm	0.0005 ppm	-0.0005 ppm	0.0071 ppm
Concentration per Run	0.3446 ppm	0.0030 ppm	-0.0005 ppm	134.3464 ppm	0.0007 ppm	-0.0001 ppm	0.0064 ppm
Concentration per Run	0.3449 ppm	0.0026 ppm	0.0000 ppm	134.7845 ppm	0.0003 ppm	-0.0017 ppm	0.0076 ppm
Concentration per Run	0.3451 ppm	0.0028 ppm	0.0006 ppm	135.5659 ppm	0.0004 ppm	0.0002 ppm	0.0072 ppm
Concentration RSD	0.1 %	6.8 %	2,216.4 %	0.5 %	42.1 %	189.1 %	8.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0001 ppm	0.1791 ppm	0.0000 ppm	0.0146 ppm	0.0006 ppm	0.0008 ppm	0.0003 ppm
Concentration per Run	-0.0010 ppm	0.1693 ppm	0.0007 ppm	0.0145 ppm	0.0003 ppm	0.0021 ppm	0.0003 ppm
Concentration per Run	-0.0030 ppm	0.1776 ppm	-0.0005 ppm	0.0147 ppm	0.0005 ppm	0.0022 ppm	0.0002 ppm
Concentration per Run	0.0038 ppm	0.1905 ppm	-0.0003 ppm	0.0145 ppm	0.0009 ppm	-0.0018 ppm	0.0004 ppm
Concentration RSD	5,929.7 %	5.9 %	4,559.8 %	0.6 %	51.7 %	268.0 %	30.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0455 ppm	99.6106 %	102.6011 %	96.6038 %	96.5772 %	101.2917 %	98.1476 %
Concentration per Run	0.0460 ppm	98.9712 %	102.7389 %	96.4735 %	95.9487 %	101.3572 %	98.1428 %
Concentration per Run	0.0452 ppm	99.9036 %	102.2274 %	96.9823 %	96.7114 %	100.8162 %	98.6376 %
Concentration per Run	0.0455 ppm	99.9569 %	102.8370 %	96.3558 %	97.0714 %	101.7016 %	97.6623 %
Concentration RSD	0.9 %	0.6 %	0.3 %	0.3 %	0.6 %	0.4 %	0.5 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2575066-07 WG2146909
Analysis started at: 11/26/2025 1:20:25 PM
Comment <Comment>
Rack Number 1
Vial Numbers 57

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0006 ppm	0.0206 ppm	-0.0010 ppm	0.0044 ppm	0.0285 ppm	0.0000 ppm	3.6987 ppm
Concentration per Run	-0.0005 ppm	0.0227 ppm	-0.0009 ppm	0.0057 ppm	0.0286 ppm	0.0000 ppm	3.7016 ppm
Concentration per Run	-0.0009 ppm	0.0164 ppm	-0.0011 ppm	0.0026 ppm	0.0285 ppm	0.0000 ppm	3.7037 ppm
Concentration per Run	-0.0004 ppm	0.0226 ppm	-0.0009 ppm	0.0048 ppm	0.0283 ppm	0.0000 ppm	3.6907 ppm
Concentration RSD	40.9 %	17.5 %	15.6 %	36.9 %	0.5 %	85.1 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0007 ppm	0.0031 ppm	0.0022 ppm	0.0260 ppm	0.2403 ppm	0.0014 ppm
Concentration per Run	0.0000 ppm	0.0005 ppm	0.0036 ppm	0.0020 ppm	0.0266 ppm	0.2653 ppm	0.0012 ppm
Concentration per Run	0.0003 ppm	0.0008 ppm	0.0027 ppm	0.0024 ppm	0.0260 ppm	0.2410 ppm	-0.0001 ppm
Concentration per Run	0.0002 ppm	0.0008 ppm	0.0030 ppm	0.0021 ppm	0.0254 ppm	0.2145 ppm	0.0032 ppm
Concentration RSD	67.7 %	27.7 %	15.3 %	10.2 %	2.2 %	10.6 %	117.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.1066 ppm	0.0219 ppm	0.0008 ppm	132.3486 ppm	0.0086 ppm	0.0925 ppm	0.0037 ppm
Concentration per Run	0.1082 ppm	0.0217 ppm	0.0010 ppm	132.4072 ppm	0.0097 ppm	0.0926 ppm	0.0011 ppm
Concentration per Run	0.1060 ppm	0.0218 ppm	0.0005 ppm	132.1323 ppm	0.0076 ppm	0.0932 ppm	0.0073 ppm
Concentration per Run	0.1057 ppm	0.0220 ppm	0.0010 ppm	132.5064 ppm	0.0086 ppm	0.0916 ppm	0.0027 ppm
Concentration RSD	1.3 %	0.7 %	31.4 %	0.1 %	12.0 %	0.9 %	87.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0021 ppm	0.4159 ppm	0.0012 ppm	0.0255 ppm	0.0002 ppm	0.0012 ppm	0.0000 ppm
Concentration per Run	0.0036 ppm	0.4203 ppm	0.0003 ppm	0.0255 ppm	0.0000 ppm	0.0016 ppm	-0.0001 ppm
Concentration per Run	-0.0006 ppm	0.4091 ppm	0.0014 ppm	0.0254 ppm	0.0004 ppm	0.0015 ppm	0.0000 ppm
Concentration per Run	0.0033 ppm	0.4183 ppm	0.0020 ppm	0.0254 ppm	0.0002 ppm	0.0007 ppm	0.0000 ppm
Concentration RSD	112.2 %	1.4 %	72.9 %	0.2 %	83.5 %	40.8 %	31.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2979 ppm	99.0731 %	102.5954 %	96.2201 %	96.3343 %	101.3838 %	97.8931 %
Concentration per Run	0.2990 ppm	98.9431 %	103.0137 %	96.7311 %	95.8633 %	102.0458 %	98.2538 %
Concentration per Run	0.2969 ppm	98.8223 %	102.2529 %	96.0431 %	96.1824 %	100.8347 %	97.9398 %
Concentration per Run	0.2977 ppm	99.4540 %	102.5197 %	95.8861 %	96.9573 %	101.2709 %	97.4856 %
Concentration RSD	0.4 %	0.3 %	0.4 %	0.5 %	0.6 %	0.6 %	0.4 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2575066-08 WG2146909
Analysis started at: 11/26/2025 1:22:36 PM
Comment <Comment>
Rack Number 1
Vial Numbers 58

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0003 ppm	0.0221 ppm	0.0034 ppm	0.0061 ppm	0.0030 ppm	0.0001 ppm	25.2297 ppm
Concentration per Run	0.0005 ppm	0.0235 ppm	0.0043 ppm	0.0047 ppm	0.0030 ppm	0.0000 ppm	25.1834 ppm
Concentration per Run	-0.0007 ppm	0.0281 ppm	0.0024 ppm	0.0070 ppm	0.0030 ppm	0.0001 ppm	25.2529 ppm
Concentration per Run	-0.0006 ppm	0.0147 ppm	0.0033 ppm	0.0066 ppm	0.0031 ppm	0.0001 ppm	25.2528 ppm
Concentration RSD	248.1 %	31.0 %	28.9 %	19.5 %	2.1 %	22.8 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0009 ppm	0.0003 ppm	0.0003 ppm	0.0138 ppm	0.0173 ppm	0.6860 ppm	0.0034 ppm
Concentration per Run	0.0009 ppm	0.0009 ppm	0.0003 ppm	0.0135 ppm	0.0186 ppm	0.6982 ppm	0.0016 ppm
Concentration per Run	0.0009 ppm	-0.0004 ppm	0.0004 ppm	0.0140 ppm	0.0173 ppm	0.6746 ppm	0.0046 ppm
Concentration per Run	0.0009 ppm	0.0003 ppm	0.0002 ppm	0.0140 ppm	0.0159 ppm	0.6851 ppm	0.0041 ppm
Concentration RSD	4.8 %	258.6 %	42.2 %	1.9 %	7.8 %	1.7 %	47.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.7613 ppm	0.0475 ppm	0.0000 ppm	133.6790 ppm	0.0046 ppm	0.0006 ppm	0.0009 ppm
Concentration per Run	0.7605 ppm	0.0474 ppm	0.0002 ppm	132.6437 ppm	0.0043 ppm	0.0003 ppm	0.0022 ppm
Concentration per Run	0.7622 ppm	0.0478 ppm	0.0000 ppm	133.3637 ppm	0.0046 ppm	-0.0002 ppm	-0.0009 ppm
Concentration per Run	0.7611 ppm	0.0474 ppm	-0.0001 ppm	135.0295 ppm	0.0048 ppm	0.0016 ppm	0.0013 ppm
Concentration RSD	0.1 %	0.4 %	380.7 %	0.9 %	5.3 %	166.8 %	188.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0033 ppm	0.4075 ppm	0.0006 ppm	0.1219 ppm	0.0001 ppm	0.0005 ppm	0.0007 ppm
Concentration per Run	0.0038 ppm	0.3972 ppm	0.0005 ppm	0.1215 ppm	-0.0001 ppm	0.0012 ppm	0.0008 ppm
Concentration per Run	0.0004 ppm	0.4103 ppm	0.0009 ppm	0.1217 ppm	0.0001 ppm	-0.0019 ppm	0.0008 ppm
Concentration per Run	0.0055 ppm	0.4151 ppm	0.0003 ppm	0.1225 ppm	0.0002 ppm	0.0022 ppm	0.0006 ppm
Concentration RSD	79.5 %	2.3 %	55.3 %	0.4 %	258.7 %	400.6 %	19.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4981 ppm	98.6218 %	103.3098 %	95.7583 %	95.6107 %	101.4051 %	97.5339 %
Concentration per Run	0.4945 ppm	99.1070 %	103.5727 %	95.3367 %	95.1606 %	101.1439 %	97.4311 %
Concentration per Run	0.5009 ppm	98.6535 %	103.4363 %	95.9323 %	96.1189 %	101.4496 %	97.4856 %
Concentration per Run	0.4989 ppm	98.1048 %	102.9204 %	96.0060 %	95.5527 %	101.6218 %	97.6851 %
Concentration RSD	0.7 %	0.5 %	0.3 %	0.4 %	0.5 %	0.2 %	0.1 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2572696-01 WG2143030
Analysis started at: 11/26/2025 1:24:45 PM
Comment <Comment>
Rack Number 1
Vial Numbers 45

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	0.0337 ppm	-0.0024 ppm	0.0756 ppm	0.0429 ppm	0.0000 ppm	36.9422 ppm
Concentration per Run	-0.0006 ppm	0.0344 ppm	-0.0034 ppm	0.0779 ppm	0.0430 ppm	0.0001 ppm	36.8581 ppm
Concentration per Run	-0.0005 ppm	0.0344 ppm	-0.0030 ppm	0.0750 ppm	0.0431 ppm	0.0000 ppm	36.9845 ppm
Concentration per Run	0.0004 ppm	0.0325 ppm	-0.0009 ppm	0.0741 ppm	0.0427 ppm	0.0000 ppm	36.9839 ppm
Concentration RSD	252.1 %	3.3 %	54.4 %	2.6 %	0.5 %	289.9 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0003 ppm	0.0030 ppm	0.0072 ppm	1.6621 ppm	0.0034 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	0.0004 ppm	0.0030 ppm	0.0080 ppm	1.6654 ppm	0.0052 ppm
Concentration per Run	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0033 ppm	0.0063 ppm	1.6721 ppm	0.0029 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	0.0006 ppm	0.0028 ppm	0.0074 ppm	1.6488 ppm	0.0022 ppm
Concentration RSD	262.9 %	2,881.8 %	82.5 %	7.4 %	12.0 %	0.7 %	46.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	9.2543 ppm	0.0006 ppm	0.0024 ppm	13.1629 ppm	0.0008 ppm	-0.0004 ppm	0.0013 ppm
Concentration per Run	9.2187 ppm	0.0003 ppm	0.0024 ppm	13.1656 ppm	0.0013 ppm	-0.0006 ppm	0.0054 ppm
Concentration per Run	9.2623 ppm	0.0008 ppm	0.0026 ppm	13.2472 ppm	0.0003 ppm	0.0006 ppm	0.0015 ppm
Concentration per Run	9.2819 ppm	0.0007 ppm	0.0023 ppm	13.0758 ppm	0.0009 ppm	-0.0011 ppm	-0.0029 ppm
Concentration RSD	0.3 %	43.0 %	5.3 %	0.7 %	56.8 %	233.7 %	311.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0025 ppm	2.8626 ppm	-0.0008 ppm	0.1707 ppm	0.0001 ppm	0.0012 ppm	0.0001 ppm
Concentration per Run	0.0038 ppm	2.8555 ppm	-0.0005 ppm	0.1708 ppm	0.0000 ppm	0.0009 ppm	0.0001 ppm
Concentration per Run	0.0029 ppm	2.8708 ppm	-0.0011 ppm	0.1714 ppm	0.0001 ppm	0.0014 ppm	0.0000 ppm
Concentration per Run	0.0007 ppm	2.8614 ppm	-0.0008 ppm	0.1700 ppm	0.0003 ppm	0.0012 ppm	0.0001 ppm
Concentration RSD	64.4 %	0.3 %	36.1 %	0.4 %	132.4 %	22.0 %	69.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0130 ppm	103.7186 %	106.1965 %	102.3722 %	101.9524 %	104.3204 %	101.8222 %
Concentration per Run	0.0132 ppm	103.8337 %	107.4928 %	102.8618 %	101.9877 %	105.9316 %	102.4850 %
Concentration per Run	0.0129 ppm	103.2716 %	104.8611 %	101.7840 %	101.7076 %	103.1748 %	101.0882 %
Concentration per Run	0.0129 ppm	104.0506 %	106.2355 %	102.4708 %	102.1618 %	103.8547 %	101.8935 %
Concentration RSD	1.6 %	0.4 %	1.2 %	0.5 %	0.2 %	1.4 %	0.7 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2572207-01 WG2144908
Analysis started at: 11/26/2025 1:26:56 PM
Comment <Comment>
Rack Number 2
Vial Numbers 1

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	0.1534 ppm	-0.0018 ppm	0.1103 ppm	0.0180 ppm	0.0000 ppm	50.0287 ppm
Concentration per Run	-0.0003 ppm	0.1587 ppm	-0.0022 ppm	0.1093 ppm	0.0180 ppm	0.0001 ppm	49.9418 ppm
Concentration per Run	0.0000 ppm	0.1471 ppm	-0.0033 ppm	0.1103 ppm	0.0180 ppm	0.0000 ppm	50.2746 ppm
Concentration per Run	-0.0003 ppm	0.1543 ppm	0.0000 ppm	0.1114 ppm	0.0178 ppm	0.0000 ppm	49.8697 ppm
Concentration RSD	107.3 %	3.8 %	92.3 %	1.0 %	0.6 %	202.1 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0057 ppm	0.0312 ppm	25.5643 ppm	0.0054 ppm
Concentration per Run	0.0001 ppm	0.0004 ppm	0.0002 ppm	0.0060 ppm	0.0335 ppm	25.5554 ppm	0.0063 ppm
Concentration per Run	0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0058 ppm	0.0312 ppm	25.6193 ppm	0.0056 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	-0.0002 ppm	0.0054 ppm	0.0289 ppm	25.5184 ppm	0.0044 ppm
Concentration RSD	56.4 %	207.8 %	18,061.3 %	5.3 %	7.4 %	0.2 %	17.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	4.6555 ppm	0.0213 ppm	0.0009 ppm	141.0892 ppm	0.0022 ppm	-0.0008 ppm	-0.0006 ppm
Concentration per Run	4.6732 ppm	0.0214 ppm	0.0012 ppm	140.3191 ppm	0.0020 ppm	-0.0013 ppm	-0.0022 ppm
Concentration per Run	4.6647 ppm	0.0212 ppm	0.0007 ppm	142.0610 ppm	0.0028 ppm	-0.0012 ppm	-0.0002 ppm
Concentration per Run	4.6285 ppm	0.0213 ppm	0.0007 ppm	140.8874 ppm	0.0019 ppm	0.0002 ppm	0.0005 ppm
Concentration RSD	0.5 %	0.6 %	27.3 %	0.6 %	23.1 %	103.4 %	227.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0013 ppm	5.4456 ppm	-0.0002 ppm	0.1344 ppm	0.0001 ppm	0.0024 ppm	0.0004 ppm
Concentration per Run	0.0013 ppm	5.4617 ppm	-0.0007 ppm	0.1346 ppm	0.0002 ppm	0.0023 ppm	0.0003 ppm
Concentration per Run	0.0021 ppm	5.4045 ppm	0.0001 ppm	0.1347 ppm	0.0000 ppm	0.0032 ppm	0.0003 ppm
Concentration per Run	0.0005 ppm	5.4706 ppm	-0.0001 ppm	0.1340 ppm	0.0001 ppm	0.0016 ppm	0.0006 ppm
Concentration RSD	65.1 %	0.7 %	158.3 %	0.3 %	103.3 %	32.9 %	39.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0243 ppm	99.6685 %	104.3639 %	97.5577 %	97.3929 %	103.2882 %	99.0844 %
Concentration per Run	0.0245 ppm	99.7393 %	104.9064 %	96.9677 %	97.9419 %	103.8618 %	98.9078 %
Concentration per Run	0.0243 ppm	99.6661 %	104.3425 %	98.2006 %	97.2533 %	103.4757 %	99.3881 %
Concentration per Run	0.0242 ppm	99.6001 %	103.8428 %	97.5049 %	96.9834 %	102.5270 %	98.9573 %
Concentration RSD	0.6 %	0.1 %	0.5 %	0.6 %	0.5 %	0.7 %	0.3 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2572725-06 WG2144908
Analysis started at: 11/26/2025 1:29:06 PM
Comment <Comment>
Rack Number 2
Vial Numbers 2

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.2056 ppm	0.0091 ppm	0.0318 ppm	0.0576 ppm	0.0001 ppm	42.0177 ppm
Concentration per Run	0.0000 ppm	0.2052 ppm	0.0086 ppm	0.0326 ppm	0.0575 ppm	0.0001 ppm	41.8435 ppm
Concentration per Run	-0.0001 ppm	0.2044 ppm	0.0091 ppm	0.0317 ppm	0.0574 ppm	0.0000 ppm	41.9623 ppm
Concentration per Run	-0.0003 ppm	0.2071 ppm	0.0095 ppm	0.0313 ppm	0.0577 ppm	0.0001 ppm	42.2472 ppm
Concentration RSD	136.7 %	0.7 %	5.4 %	2.0 %	0.3 %	33.3 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0009 ppm	0.0048 ppm	0.0017 ppm	0.0053 ppm	29.2171 ppm	4.5523 ppm	0.0021 ppm
Concentration per Run	0.0009 ppm	0.0043 ppm	0.0015 ppm	0.0055 ppm	29.2214 ppm	4.5344 ppm	0.0022 ppm
Concentration per Run	0.0010 ppm	0.0053 ppm	0.0019 ppm	0.0049 ppm	29.0246 ppm	4.5690 ppm	0.0019 ppm
Concentration per Run	0.0009 ppm	0.0048 ppm	0.0018 ppm	0.0055 ppm	29.4053 ppm	4.5536 ppm	0.0022 ppm
Concentration RSD	7.1 %	10.2 %	12.4 %	6.6 %	0.7 %	0.4 %	7.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	9.4317 ppm	0.0397 ppm	0.0004 ppm	187.2657 ppm	0.0032 ppm	0.2502 ppm	-0.0002 ppm
Concentration per Run	9.4341 ppm	0.0398 ppm	0.0004 ppm	186.4019 ppm	0.0025 ppm	0.2521 ppm	-0.0045 ppm
Concentration per Run	9.4091 ppm	0.0394 ppm	0.0007 ppm	186.6721 ppm	0.0031 ppm	0.2482 ppm	0.0035 ppm
Concentration per Run	9.4518 ppm	0.0399 ppm	0.0001 ppm	188.7229 ppm	0.0041 ppm	0.2505 ppm	0.0002 ppm
Concentration RSD	0.2 %	0.6 %	71.4 %	0.7 %	25.4 %	0.8 %	1,658.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0002 ppm	1.5076 ppm	-0.0001 ppm	0.1027 ppm	0.0050 ppm	0.0014 ppm	0.0040 ppm
Concentration per Run	0.0015 ppm	1.4977 ppm	-0.0001 ppm	0.1023 ppm	0.0053 ppm	0.0021 ppm	0.0035 ppm
Concentration per Run	-0.0023 ppm	1.5109 ppm	0.0004 ppm	0.1027 ppm	0.0047 ppm	0.0008 ppm	0.0045 ppm
Concentration per Run	0.0013 ppm	1.5143 ppm	-0.0006 ppm	0.1031 ppm	0.0050 ppm	0.0013 ppm	0.0039 ppm
Concentration RSD	1,300.7 %	0.6 %	581.6 %	0.4 %	5.1 %	47.2 %	11.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0181 ppm	98.8697 %	105.2264 %	96.7642 %	96.9646 %	104.5268 %	99.0331 %
Concentration per Run	0.0179 ppm	100.0526 %	105.6141 %	96.8161 %	98.1095 %	104.8239 %	99.2701 %
Concentration per Run	0.0182 ppm	98.3324 %	105.5529 %	97.0722 %	96.5889 %	104.7028 %	99.0623 %
Concentration per Run	0.0181 ppm	98.2240 %	104.5121 %	96.4045 %	96.1953 %	104.0537 %	98.7668 %
Concentration RSD	0.8 %	1.0 %	0.6 %	0.3 %	1.0 %	0.4 %	0.3 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: CCV
Analysis started at: 11/26/2025 1:31:17 PM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4953 ppm	0.4893 ppm	0.4703 ppm	0.4965 ppm	0.4925 ppm	0.4997 ppm	0.4975 ppm
Concentration per Run	0.4925 ppm	0.4773 ppm	0.4709 ppm	0.4933 ppm	0.4891 ppm	0.4971 ppm	0.4913 ppm
Concentration per Run	0.4969 ppm	0.4854 ppm	0.4679 ppm	0.4972 ppm	0.4931 ppm	0.4999 ppm	0.5018 ppm
Concentration per Run	0.4966 ppm	0.5051 ppm	0.4720 ppm	0.4989 ppm	0.4954 ppm	0.5021 ppm	0.4993 ppm
Recovery Percentage	99.067 %	97.855 %	94.052 %	99.294 %	98.502 %	99.943 %	99.491 %
Concentration RSD	0.5 %	2.9 %	0.4 %	0.6 %	0.7 %	0.5 %	1.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5045 ppm	0.5106 ppm	0.5024 ppm	0.5088 ppm	0.4966 ppm	5.1762 ppm	0.4766 ppm
Concentration per Run	0.5029 ppm	0.5097 ppm	0.4999 ppm	0.5073 ppm	0.4970 ppm	5.1702 ppm	0.4676 ppm
Concentration per Run	0.5048 ppm	0.5113 ppm	0.5031 ppm	0.5095 ppm	0.4916 ppm	5.1798 ppm	0.4801 ppm
Concentration per Run	0.5058 ppm	0.5110 ppm	0.5043 ppm	0.5097 ppm	0.5013 ppm	5.1786 ppm	0.4821 ppm
Recovery Percentage	100.893 %	102.130 %	100.488 %	101.770 %	99.327 %	103.524 %	95.322 %
Concentration RSD	0.3 %	0.2 %	0.5 %	0.3 %	1.0 %	0.1 %	1.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5004 ppm	0.5041 ppm	0.4900 ppm	10.0096 ppm	0.5130 ppm	0.4969 ppm	0.5117 ppm
Concentration per Run	0.5020 ppm	0.5025 ppm	0.4861 ppm	9.8944 ppm	0.5117 ppm	0.4966 ppm	0.5093 ppm
Concentration per Run	0.4998 ppm	0.5043 ppm	0.4913 ppm	10.0808 ppm	0.5126 ppm	0.4954 ppm	0.5118 ppm
Concentration per Run	0.4993 ppm	0.5056 ppm	0.4926 ppm	10.0535 ppm	0.5147 ppm	0.4989 ppm	0.5140 ppm
Recovery Percentage	100.075 %	100.821 %	98.004 %	100.096 %	102.603 %	99.386 %	102.337 %
Concentration RSD	0.3 %	0.3 %	0.7 %	1.0 %	0.3 %	0.4 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4849 ppm	5.3418 ppm	0.4951 ppm	0.4831 ppm	0.4966 ppm	0.5070 ppm	0.5040 ppm
Concentration per Run	0.4810 ppm	5.3153 ppm	0.4938 ppm	0.4798 ppm	0.4955 ppm	0.5069 ppm	0.5015 ppm
Concentration per Run	0.4828 ppm	5.3477 ppm	0.4941 ppm	0.4837 ppm	0.4954 ppm	0.5049 ppm	0.5054 ppm
Concentration per Run	0.4910 ppm	5.3625 ppm	0.4973 ppm	0.4858 ppm	0.4989 ppm	0.5093 ppm	0.5050 ppm
Recovery Percentage	96.979 %	101.749 %	99.012 %	96.622 %	99.317 %	101.406 %	100.791 %
Concentration RSD	1.1 %	0.5 %	0.4 %	0.6 %	0.4 %	0.4 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5101 ppm	103.1264 %	104.2348 %	103.5565 %	100.5623 %	102.7596 %	101.8875 %
Concentration per Run	0.5086 ppm	103.5242 %	104.4375 %	104.0852 %	100.6962 %	102.3912 %	102.4050 %
Concentration per Run	0.5093 ppm	103.5464 %	104.5258 %	104.1925 %	101.3536 %	103.1768 %	102.4279 %
Concentration per Run	0.5124 ppm	102.3086 %	103.7411 %	102.3918 %	99.6372 %	102.7109 %	100.8297 %
Recovery Percentage	102.022 %						
Concentration RSD	0.4 %	0.7 %	0.4 %	1.0 %	0.9 %	0.4 %	0.9 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: CCB
Analysis started at: 11/26/2025 1:33:27 PM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0006 ppm	0.0070 ppm	-0.0005 ppm	0.0017 ppm	-0.0002 ppm	0.0000 ppm	0.0007 ppm
Concentration per Run	-0.0007 ppm	0.0113 ppm	0.0007 ppm	0.0022 ppm	-0.0002 ppm	0.0000 ppm	0.0010 ppm
Concentration per Run	-0.0007 ppm	0.0095 ppm	-0.0002 ppm	0.0017 ppm	-0.0002 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run	-0.0004 ppm	0.0003 ppm	-0.0021 ppm	0.0013 ppm	-0.0002 ppm	0.0000 ppm	0.0011 ppm
Recovery Percentage	-8.743 %	7.050 %	-10.617 %	5.830 %	-1.729 %	0.214 %	0.737 %
Concentration RSD	36.7 %	84.0 %	276.8 %	25.1 %	11.3 %	262.7 %	76.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0000 ppm	-0.0002 ppm	0.0002 ppm	0.0014 ppm	0.0041 ppm	0.0006 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	-0.0001 ppm	0.0003 ppm	0.0019 ppm	0.0092 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0006 ppm	-0.0008 ppm	0.0000 ppm	0.0005 ppm	-0.0062 ppm	0.0010 ppm
Concentration per Run	0.0001 ppm	-0.0009 ppm	0.0001 ppm	0.0003 ppm	0.0018 ppm	0.0092 ppm	0.0008 ppm
Recovery Percentage	1.066 %	-0.138 %	-2.445 %	2.128 %	2.739 %	0.162 %	11.901 %
Concentration RSD	22.6 %	2,671.5 %	192.5 %	70.1 %	57.8 %	218.8 %	82.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0004 ppm	-0.0001 ppm	0.0000 ppm	0.0430 ppm	0.0003 ppm	-0.0004 ppm	0.0010 ppm
Concentration per Run	-0.0007 ppm	0.0001 ppm	-0.0001 ppm	0.0435 ppm	0.0000 ppm	0.0001 ppm	0.0011 ppm
Concentration per Run	-0.0007 ppm	-0.0003 ppm	0.0000 ppm	0.0482 ppm	0.0006 ppm	-0.0009 ppm	-0.0017 ppm
Concentration per Run	0.0003 ppm	-0.0001 ppm	0.0002 ppm	0.0372 ppm	0.0003 ppm	-0.0004 ppm	0.0036 ppm
Recovery Percentage	-0.351 %	-0.736 %	0.083 %	2.148 %	1.184 %	-3.615 %	2.053 %
Concentration RSD	155.9 %	235.1 %	328.8 %	12.8 %	111.8 %	138.2 %	257.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0006 ppm	-0.0003 ppm	0.0008 ppm	0.0000 ppm	0.0001 ppm	0.0017 ppm	0.0004 ppm
Concentration per Run	0.0019 ppm	-0.0005 ppm	0.0007 ppm	0.0000 ppm	-0.0003 ppm	0.0023 ppm	0.0007 ppm
Concentration per Run	-0.0020 ppm	-0.0006 ppm	0.0000 ppm	0.0000 ppm	0.0003 ppm	0.0017 ppm	0.0002 ppm
Concentration per Run	0.0020 ppm	0.0002 ppm	0.0015 ppm	-0.0001 ppm	0.0001 ppm	0.0011 ppm	0.0003 ppm
Recovery Percentage	5.965 %	-0.062 %	1.518 %	-0.170 %	0.679 %	8.566 %	3.651 %
Concentration RSD	383.7 %	141.3 %	99.7 %	219.2 %	438.7 %	33.8 %	68.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0001 ppm	101.4426 %	101.2278 %	102.6889 %	101.5143 %	102.2587 %	102.0470 %
Concentration per Run	0.0002 ppm	101.2637 %	100.8145 %	102.6465 %	101.6897 %	101.8039 %	102.2353 %
Concentration per Run	0.0000 ppm	100.7402 %	101.8796 %	103.4368 %	101.0003 %	102.8493 %	102.7595 %
Concentration per Run	-0.0003 ppm	102.3240 %	100.9893 %	101.9833 %	101.8530 %	102.1227 %	101.1462 %
Recovery Percentage	-1.114 %						
Concentration RSD	487.5 %	0.8 %	0.6 %	0.7 %	0.4 %	0.5 %	0.8 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2143304-1 WG2143304
Analysis started at: 11/26/2025 1:45:53 PM
Comment <Comment>
Rack Number 2
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0005 ppm	0.0101 ppm	-0.0005 ppm	0.0008 ppm	0.0000 ppm	0.0000 ppm	0.0136 ppm
Concentration per Run	-0.0005 ppm	0.0144 ppm	-0.0007 ppm	0.0002 ppm	-0.0001 ppm	0.0000 ppm	0.0117 ppm
Concentration per Run	-0.0010 ppm	0.0140 ppm	0.0002 ppm	0.0016 ppm	0.0000 ppm	0.0000 ppm	0.0142 ppm
Concentration per Run	0.0001 ppm	0.0018 ppm	-0.0009 ppm	0.0008 ppm	-0.0001 ppm	0.0000 ppm	0.0149 ppm
Recovery Percentage	-6.790 %	10.075 %	-9.200 %	2.756 %	-0.359 %	0.150 %	13.585 %
Concentration RSD	122.6 %	71.2 %	123.3 %	85.5 %	137.0 %	242.4 %	12.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0005 ppm	-0.0008 ppm	0.0004 ppm	0.0030 ppm	-0.0154 ppm	0.0010 ppm
Concentration per Run	0.0002 ppm	-0.0008 ppm	-0.0007 ppm	0.0006 ppm	0.0043 ppm	-0.0200 ppm	0.0016 ppm
Concentration per Run	0.0000 ppm	-0.0004 ppm	-0.0012 ppm	0.0001 ppm	0.0011 ppm	0.0057 ppm	0.0012 ppm
Concentration per Run	0.0002 ppm	-0.0003 ppm	-0.0005 ppm	0.0005 ppm	0.0036 ppm	-0.0320 ppm	0.0002 ppm
Recovery Percentage	2.545 %	-2.579 %	-7.777 %	4.168 %	6.017 %	-0.617 %	19.859 %
Concentration RSD	57.4 %	48.2 %	48.3 %	58.7 %	56.5 %	125.1 %	70.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0018 ppm	0.0000 ppm	-0.0001 ppm	0.0199 ppm	0.0013 ppm	-0.0014 ppm	0.0014 ppm
Concentration per Run	0.0016 ppm	-0.0001 ppm	-0.0003 ppm	0.0105 ppm	0.0022 ppm	-0.0009 ppm	0.0044 ppm
Concentration per Run	0.0021 ppm	0.0001 ppm	0.0001 ppm	0.0258 ppm	0.0007 ppm	-0.0022 ppm	0.0010 ppm
Concentration per Run	0.0016 ppm	0.0000 ppm	-0.0002 ppm	0.0235 ppm	0.0012 ppm	-0.0012 ppm	-0.0012 ppm
Recovery Percentage	1.772 %	-0.075 %	-0.255 %	0.996 %	5.344 %	-14.361 %	2.866 %
Concentration RSD	15.7 %	1,450.5 %	196.3 %	41.5 %	58.1 %	49.4 %	197.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0019 ppm	0.0057 ppm	-0.0009 ppm	-0.0001 ppm	-0.0001 ppm	0.0015 ppm	0.0001 ppm
Concentration per Run	-0.0004 ppm	0.0045 ppm	-0.0004 ppm	0.0000 ppm	0.0001 ppm	0.0020 ppm	0.0001 ppm
Concentration per Run	0.0027 ppm	0.0053 ppm	-0.0011 ppm	-0.0001 ppm	-0.0001 ppm	0.0018 ppm	0.0002 ppm
Concentration per Run	0.0033 ppm	0.0074 ppm	-0.0013 ppm	0.0000 ppm	-0.0001 ppm	0.0009 ppm	-0.0001 ppm
Recovery Percentage	18.921 %	1.146 %	-1.875 %	-0.543 %	-0.559 %	7.716 %	0.734 %
Concentration RSD	104.8 %	25.9 %	50.4 %	156.5 %	278.1 %	36.6 %	163.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0008 ppm	103.8162 %	103.8693 %	105.6947 %	104.5383 %	104.5998 %	104.6540 %
Concentration per Run	0.0008 ppm	104.1027 %	103.6997 %	105.9490 %	104.8015 %	104.9040 %	104.7876 %
Concentration per Run	0.0009 ppm	103.7836 %	104.2317 %	106.0048 %	104.4552 %	104.7640 %	105.1211 %
Concentration per Run	0.0007 ppm	103.5624 %	103.6765 %	105.1304 %	104.3582 %	104.1313 %	104.0533 %
Recovery Percentage	15.921 %						
Concentration RSD	12.5 %	0.3 %	0.3 %	0.5 %	0.2 %	0.4 %	0.5 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2143304-2 WG2143304
Analysis started at: 11/26/2025 1:48:14 PM
Comment <Comment>
Rack Number 2
Vial Numbers 5

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0511 ppm	2.1316 ppm	0.1206 ppm	1.0663 ppm	2.0843 ppm	0.0528 ppm	10.7807 ppm
Concentration per Run	0.0514 ppm	2.1430 ppm	0.1193 ppm	1.0640 ppm	2.1018 ppm	0.0530 ppm	10.8117 ppm
Concentration per Run	0.0510 ppm	2.1235 ppm	0.1218 ppm	1.0610 ppm	2.0753 ppm	0.0528 ppm	10.7699 ppm
Concentration per Run	0.0508 ppm	2.1283 ppm	0.1206 ppm	1.0740 ppm	2.0759 ppm	0.0527 ppm	10.7606 ppm
Concentration RSD	0.5 %	0.5 %	1.1 %	0.6 %	0.7 %	0.3 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0566 ppm	0.5234 ppm	0.2088 ppm	0.2648 ppm	1.0522 ppm	10.9134 ppm	0.0001 ppm
Concentration per Run	0.0567 ppm	0.5239 ppm	0.2099 ppm	0.2650 ppm	1.0597 ppm	11.0115 ppm	-0.0009 ppm
Concentration per Run	0.0564 ppm	0.5199 ppm	0.2069 ppm	0.2633 ppm	1.0482 ppm	10.8878 ppm	0.0015 ppm
Concentration per Run	0.0567 ppm	0.5262 ppm	0.2096 ppm	0.2660 ppm	1.0488 ppm	10.8409 ppm	-0.0002 ppm
Concentration RSD	0.3 %	0.6 %	0.8 %	0.5 %	0.6 %	0.8 %	1,000.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	10.5814 ppm	0.5263 ppm	1.0635 ppm	10.8127 ppm	0.5312 ppm	0.5415 ppm	0.5029 ppm
Concentration per Run	10.5755 ppm	0.5272 ppm	1.0629 ppm	10.8404 ppm	0.5323 ppm	0.5424 ppm	0.4940 ppm
Concentration per Run	10.6121 ppm	0.5260 ppm	1.0580 ppm	10.8239 ppm	0.5276 ppm	0.5418 ppm	0.5030 ppm
Concentration per Run	10.5564 ppm	0.5255 ppm	1.0697 ppm	10.7737 ppm	0.5337 ppm	0.5404 ppm	0.5117 ppm
Concentration RSD	0.3 %	0.2 %	0.6 %	0.3 %	0.6 %	0.2 %	1.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1238 ppm	1.0581 ppm	1.0379 [SIC 50]	1.0053 ppm	1.0562 ppm	0.1292 ppm	0.5390 ppm
Concentration per Run	0.1256 ppm	1.0516 ppm	1.0431 ppm	1.0144 ppm	1.0561 ppm	0.1302 ppm	0.5389 ppm
Concentration per Run	0.1234 ppm	1.0611 ppm	1.0333 ppm	1.0008 ppm	1.0584 ppm	0.1287 ppm	0.5365 ppm
Concentration per Run	0.1224 ppm	1.0617 ppm	1.0374 ppm	1.0008 ppm	1.0542 ppm	0.1287 ppm	0.5416 ppm
Concentration RSD	1.3 %	0.5 %	0.5 %	0.8 %	0.2 %	0.7 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5346 ppm	103.5027 %	105.5466 %	102.8034 %	101.5070 %	104.2258 %	101.9995 %
Concentration per Run	0.5362 ppm	103.5820 %	104.8486 %	101.5177 %	101.9225 %	104.0108 %	100.6670 %
Concentration per Run	0.5309 ppm	103.7216 %	105.8164 %	103.4562 %	101.6555 %	104.3151 %	102.8803 %
Concentration per Run	0.5368 ppm	103.2044 %	105.9747 %	103.4362 %	100.9430 %	104.3516 %	102.4513 %
Concentration RSD	0.6 %	0.3 %	0.6 %	1.1 %	0.5 %	0.2 %	1.2 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: xLDR 5 Be
Analysis started at: 11/26/2025 1:50:24 PM
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Rack Number 2
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0006 ppm	0.0067 ppm	-0.0026 ppm	0.0007 ppm	0.0000 ppm	1.0225 ppm	0.0053 ppm
Concentration per Run	-0.0008 ppm	0.0061 ppm	-0.0027 ppm	0.0003 ppm	-0.0001 ppm	1.0210 ppm	0.0040 ppm
Concentration per Run	-0.0007 ppm	0.0064 ppm	-0.0026 ppm	0.0008 ppm	-0.0001 ppm	1.0292 ppm	0.0042 ppm
Concentration per Run	-0.0004 ppm	0.0075 ppm	-0.0024 ppm	0.0010 ppm	0.0000 ppm	1.0173 ppm	0.0079 ppm
Concentration RSD	28.2 %	11.0 %	6.4 %	50.8 %	90.2 %	0.6 %	41.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0004 ppm	-0.0004 ppm	0.0002 ppm	0.0022 ppm	0.0025 ppm	-0.0002 ppm
Concentration per Run	0.0001 ppm	-0.0005 ppm	0.0002 ppm	0.0000 ppm	0.0019 ppm	-0.0012 ppm	0.0002 ppm
Concentration per Run	-0.0001 ppm	-0.0001 ppm	-0.0007 ppm	0.0003 ppm	0.0017 ppm	-0.0013 ppm	-0.0007 ppm
Concentration per Run	0.0000 ppm	-0.0006 ppm	-0.0006 ppm	0.0002 ppm	0.0031 ppm	0.0098 ppm	0.0001 ppm
Concentration RSD	1,426.9 %	58.9 %	124.5 %	106.8 %	32.5 %	260.3 %	339.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0015 ppm	0.0000 ppm	0.0008 ppm	0.0184 ppm	0.0004 ppm	0.0002 ppm	0.0000 ppm
Concentration per Run	0.0034 ppm	0.0000 ppm	0.0008 ppm	0.0116 ppm	0.0000 ppm	-0.0006 ppm	-0.0036 ppm
Concentration per Run	0.0015 ppm	0.0001 ppm	0.0012 ppm	0.0234 ppm	0.0006 ppm	0.0003 ppm	0.0014 ppm
Concentration per Run	-0.0004 ppm	-0.0001 ppm	0.0006 ppm	0.0202 ppm	0.0005 ppm	0.0008 ppm	0.0022 ppm
Concentration RSD	126.9 %	3,595.8 %	36.4 %	33.1 %	79.3 %	424.1 %	35,239.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0019 ppm	0.0018 ppm	0.0041 ppm	0.0000 ppm	0.0002 ppm	0.0012 ppm	0.0001 ppm
Concentration per Run	-0.0001 ppm	0.0001 ppm	0.0037 ppm	0.0000 ppm	0.0002 ppm	0.0013 ppm	0.0002 ppm
Concentration per Run	0.0000 ppm	0.0032 ppm	0.0056 ppm	-0.0001 ppm	0.0002 ppm	0.0018 ppm	0.0002 ppm
Concentration per Run	0.0059 ppm	0.0021 ppm	0.0029 ppm	0.0001 ppm	0.0001 ppm	0.0006 ppm	0.0000 ppm
Concentration RSD	177.5 %	89.7 %	34.4 %	5,693.2 %	35.5 %	50.5 %	74.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0001 ppm	102.3527 %	103.6787 %	103.2860 %	102.6849 %	104.2925 %	103.2068 %
Concentration per Run	0.0001 ppm	102.1452 %	104.2124 %	103.5270 %	102.6879 %	104.6729 %	103.2517 %
Concentration per Run	-0.0001 ppm	102.2896 %	102.6653 %	103.5647 %	102.6688 %	103.4610 %	103.5602 %
Concentration per Run	0.0002 ppm	102.6231 %	104.1582 %	102.7663 %	102.6980 %	104.7435 %	102.8086 %
Concentration RSD	257.2 %	0.2 %	0.8 %	0.4 %	0.0 %	0.7 %	0.4 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: LDR 2 Be
Analysis started at: 11/26/2025 1:56:18 PM
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Rack Number 2
Vial Numbers 16

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0003 ppm	0.0050 ppm	-0.0024 ppm	0.0018 ppm	-0.0001 ppm	**2.0461 ppm**	0.0071 ppm
Concentration per Run	-0.0003 ppm	0.0055 ppm	-0.0038 ppm	0.0010 ppm	0.0000 ppm	2.0392 ppm	0.0066 ppm
Concentration per Run	-0.0005 ppm	0.0061 ppm	-0.0025 ppm	0.0032 ppm	-0.0002 ppm	2.0413 ppm	0.0074 ppm
Concentration per Run	-0.0001 ppm	0.0035 ppm	-0.0010 ppm	0.0012 ppm	-0.0002 ppm	2.0577 ppm	0.0073 ppm
Concentration RSD	74.4 %	26.7 %	57.7 %	68.7 %	113.4 %	0.5 %	6.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	-0.0003 ppm	-0.0001 ppm	0.0032 ppm	-0.0105 ppm	0.0009 ppm
Concentration per Run	0.0001 ppm	-0.0004 ppm	0.0002 ppm	0.0001 ppm	0.0016 ppm	-0.0005 ppm	0.0004 ppm
Concentration per Run	-0.0001 ppm	0.0002 ppm	-0.0003 ppm	-0.0004 ppm	0.0043 ppm	-0.0173 ppm	0.0009 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	-0.0007 ppm	-0.0001 ppm	0.0038 ppm	-0.0137 ppm	0.0013 ppm
Concentration RSD	1,307.7 %	33,910.6 %	170.8 %	219.3 %	43.5 %	84.4 %	51.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0005 ppm	-0.0002 ppm	0.0000 ppm	0.0181 ppm	0.0003 ppm	-0.0003 ppm	0.0023 ppm
Concentration per Run	0.0012 ppm	-0.0002 ppm	0.0000 ppm	0.0149 ppm	0.0001 ppm	-0.0004 ppm	0.0007 ppm
Concentration per Run	-0.0001 ppm	0.0000 ppm	-0.0001 ppm	0.0194 ppm	0.0000 ppm	-0.0007 ppm	0.0044 ppm
Concentration per Run	0.0003 ppm	-0.0002 ppm	0.0001 ppm	0.0200 ppm	0.0008 ppm	0.0001 ppm	0.0017 ppm
Concentration RSD	131.8 %	88.7 %	1,030.8 %	15.4 %	149.3 %	119.6 %	85.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0018 ppm	0.0003 ppm	0.0004 ppm	0.0000 ppm	0.0001 ppm	0.0008 ppm	0.0001 ppm
Concentration per Run	0.0026 ppm	-0.0003 ppm	0.0009 ppm	-0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0021 ppm	0.0005 ppm	-0.0012 ppm	0.0000 ppm	0.0003 ppm	-0.0003 ppm	0.0003 ppm
Concentration per Run	0.0007 ppm	0.0006 ppm	0.0015 ppm	0.0000 ppm	0.0001 ppm	0.0026 ppm	0.0001 ppm
Concentration RSD	54.7 %	170.6 %	354.2 %	185.4 %	293.6 %	208.1 %	108.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0001 ppm	103.0116 %	103.9403 %	104.2996 %	103.4057 %	104.4044 %	103.8279 %
Concentration per Run	0.0000 ppm	103.3601 %	104.5657 %	104.3673 %	104.0144 %	104.7277 %	103.6422 %
Concentration per Run	-0.0001 ppm	102.4166 %	103.9859 %	104.6812 %	102.7856 %	104.4267 %	104.4474 %
Concentration per Run	-0.0001 ppm	103.2580 %	103.2692 %	103.8502 %	103.4170 %	104.0589 %	103.3942 %
Concentration RSD	138.7 %	0.5 %	0.6 %	0.4 %	0.6 %	0.3 %	0.5 %

ICP DataTrace 11

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LabBook: WG2146815_11262025T11.imexp

Sample: L2571707-01 WG2143304
Analysis started at: 11/26/2025 2:01:38 PM
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Rack Number 2
Vial Numbers 11

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0004 ppm	0.0168 ppm	-0.0002 ppm	0.0013 ppm	0.0034 ppm	0.0000 ppm	26.9781 ppm
Concentration per Run	-0.0004 ppm	0.0157 ppm	0.0013 ppm	0.0006 ppm	0.0034 ppm	0.0000 ppm	26.9817 ppm
Concentration per Run	-0.0006 ppm	0.0193 ppm	-0.0010 ppm	0.0009 ppm	0.0035 ppm	0.0000 ppm	26.9729 ppm
Concentration per Run	-0.0002 ppm	0.0154 ppm	-0.0010 ppm	0.0023 ppm	0.0034 ppm	0.0000 ppm	26.9798 ppm
Concentration RSD	54.7 %	13.1 %	602.9 %	69.0 %	1.6 %	190.7 %	0.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0002 ppm	-0.0002 ppm	0.0196 ppm	0.3453 ppm	2.1888 ppm	0.0090 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	-0.0003 ppm	0.0168 ppm	0.3441 ppm	2.2128 ppm	0.0090 ppm
Concentration per Run	0.0001 ppm	-0.0006 ppm	-0.0003 ppm	0.0211 ppm	0.3478 ppm	2.1854 ppm	0.0105 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0210 ppm	0.3440 ppm	2.1681 ppm	0.0075 ppm
Concentration RSD	13.6 %	231.7 %	83.6 %	12.4 %	0.6 %	1.0 %	16.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	3.4831 ppm	0.0463 ppm	0.0001 ppm	3.0368 ppm	0.0010 ppm	-0.0008 ppm	-0.0001 ppm
Concentration per Run	3.0811 ppm	0.0464 ppm	0.0001 ppm	3.0193 ppm	0.0015 ppm	0.0000 ppm	0.0002 ppm
Concentration per Run	3.6665 ppm	0.0461 ppm	-0.0003 ppm	3.0506 ppm	0.0010 ppm	-0.0017 ppm	0.0008 ppm
Concentration per Run	3.7016 ppm	0.0464 ppm	0.0005 ppm	3.0406 ppm	0.0005 ppm	-0.0006 ppm	-0.0013 ppm
Concentration RSD	10.0 %	0.5 %	522.3 %	0.5 %	51.2 %	115.9 %	1,142.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0014 ppm	6.6003 ppm	-0.0002 ppm	0.1653 ppm	0.0003 ppm	0.0013 ppm	0.0003 ppm
Concentration per Run	-0.0011 ppm	5.8313 ppm	0.0004 ppm	0.1651 ppm	0.0003 ppm	0.0002 ppm	0.0000 ppm
Concentration per Run	0.0012 ppm	6.9432 ppm	-0.0010 ppm	0.1657 ppm	0.0002 ppm	0.0019 ppm	0.0001 ppm
Concentration per Run	0.0041 ppm	7.0265 ppm	-0.0001 ppm	0.1650 ppm	0.0003 ppm	0.0017 ppm	0.0007 ppm
Concentration RSD	186.0 %	10.1 %	339.1 %	0.2 %	38.2 %	71.4 %	123.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0093 ppm	111.8558 %	106.1339 %	105.0774 %	109.9677 %	104.9728 %	103.8994 %
Concentration per Run	0.0082 ppm	122.4536 %	106.2094 %	105.6628 %	120.8326 %	105.0953 %	104.2728 %
Concentration per Run	0.0100 ppm	107.0987 %	105.7978 %	104.1443 %	105.0155 %	104.6281 %	103.1656 %
Concentration per Run	0.0098 ppm	106.0150 %	106.3943 %	105.4251 %	104.0549 %	105.1949 %	104.2597 %
Concentration RSD	10.5 %	8.2 %	0.3 %	0.8 %	8.6 %	0.3 %	0.6 %

ICP DataTrace 11

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LabBook: WG2146815_11262025T11.imexp

Sample: L2572310-01 WG2143304
Analysis started at: 11/26/2025 2:03:57 PM
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Rack Number 2
Vial Numbers 6

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0004 ppm	0.0191 ppm	0.0003 ppm	0.0046 ppm	0.0079 ppm	0.0001 ppm	4.6546 ppm
Concentration per Run	-0.0008 ppm	0.0163 ppm	-0.0006 ppm	0.0052 ppm	0.0079 ppm	0.0000 ppm	4.6247 ppm
Concentration per Run	-0.0003 ppm	0.0170 ppm	0.0001 ppm	0.0047 ppm	0.0079 ppm	0.0001 ppm	4.6774 ppm
Concentration per Run	-0.0001 ppm	0.0238 ppm	0.0013 ppm	0.0038 ppm	0.0078 ppm	0.0000 ppm	4.6616 ppm
Concentration RSD	87.5 %	21.8 %	348.5 %	14.8 %	0.7 %	46.1 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0002 ppm	-0.0003 ppm	0.0121 ppm	0.1236 ppm	0.9603 ppm	0.0002 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	-0.0005 ppm	0.0113 ppm	0.1241 ppm	0.9627 ppm	0.0018 ppm
Concentration per Run	0.0001 ppm	-0.0005 ppm	0.0003 ppm	0.0125 ppm	0.1240 ppm	0.9515 ppm	-0.0016 ppm
Concentration per Run	0.0001 ppm	-0.0003 ppm	-0.0006 ppm	0.0125 ppm	0.1227 ppm	0.9666 ppm	0.0004 ppm
Concentration RSD	39.9 %	106.2 %	169.2 %	5.5 %	0.6 %	0.8 %	943.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.7954 ppm	0.0077 ppm	0.0002 ppm	32.1191 ppm	0.0011 ppm	-0.0007 ppm	0.0014 ppm
Concentration per Run	0.7866 ppm	0.0078 ppm	0.0005 ppm	31.6886 ppm	0.0004 ppm	-0.0008 ppm	0.0002 ppm
Concentration per Run	0.7984 ppm	0.0077 ppm	-0.0003 ppm	32.4318 ppm	0.0019 ppm	-0.0010 ppm	0.0034 ppm
Concentration per Run	0.8012 ppm	0.0075 ppm	0.0003 ppm	32.2370 ppm	0.0011 ppm	-0.0003 ppm	0.0005 ppm
Concentration RSD	1.0 %	2.4 %	213.4 %	1.2 %	69.1 %	48.8 %	127.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0028 ppm	1.2912 ppm	-0.0005 ppm	0.0356 ppm	0.0000 ppm	0.0009 ppm	0.0000 ppm
Concentration per Run	0.0044 ppm	1.2783 ppm	-0.0015 ppm	0.0352 ppm	-0.0002 ppm	0.0018 ppm	0.0002 ppm
Concentration per Run	0.0029 ppm	1.2903 ppm	0.0005 ppm	0.0358 ppm	0.0000 ppm	0.0013 ppm	-0.0002 ppm
Concentration per Run	0.0011 ppm	1.3051 ppm	-0.0004 ppm	0.0356 ppm	0.0001 ppm	-0.0002 ppm	0.0000 ppm
Concentration RSD	59.9 %	1.0 %	216.8 %	0.8 %	710.4 %	110.3 %	9,472.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0016 ppm	102.8226 %	103.1552 %	102.3738 %	100.6612 %	102.2020 %	100.9023 %
Concentration per Run	0.0016 ppm	103.8289 %	103.6527 %	102.7664 %	101.4717 %	101.6398 %	101.4127 %
Concentration per Run	0.0016 ppm	102.7037 %	102.2018 %	102.5475 %	100.7918 %	101.9282 %	100.9465 %
Concentration per Run	0.0017 ppm	101.9353 %	103.6112 %	101.8075 %	99.7200 %	103.0380 %	100.3477 %
Concentration RSD	3.8 %	0.9 %	0.8 %	0.5 %	0.9 %	0.7 %	0.5 %

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LabBook: WG2146815_11262025T11.imexp

Sample: WG2143304-3 WG2143304
Analysis started at: 11/26/2025 2:06:07 PM
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Rack Number 2
Vial Numbers 7

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0515 ppm	2.1272 ppm	0.1228 ppm	1.0853 ppm	2.0772 ppm	0.0529 ppm	15.1261 ppm
Concentration per Run	0.0515 ppm	2.1131 ppm	0.1223 ppm	1.0864 ppm	2.0752 ppm	0.0528 ppm	15.0870 ppm
Concentration per Run	0.0514 ppm	2.1373 ppm	0.1217 ppm	1.0847 ppm	2.0886 ppm	0.0532 ppm	15.2145 ppm
Concentration per Run	0.0517 ppm	2.1312 ppm	0.1243 ppm	1.0848 ppm	2.0679 ppm	0.0527 ppm	15.0768 ppm
Concentration RSD	0.3 %	0.6 %	1.1 %	0.1 %	0.5 %	0.5 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0567 ppm	0.5204 ppm	0.2080 ppm	0.2741 ppm	1.1638 ppm	11.7240 ppm	0.0012 ppm
Concentration per Run	0.0569 ppm	0.5195 ppm	0.2077 ppm	0.2735 ppm	1.1590 ppm	11.6601 ppm	0.0028 ppm
Concentration per Run	0.0567 ppm	0.5207 ppm	0.2081 ppm	0.2739 ppm	1.1736 ppm	11.8009 ppm	0.0019 ppm
Concentration per Run	0.0566 ppm	0.5210 ppm	0.2081 ppm	0.2749 ppm	1.1587 ppm	11.7109 ppm	-0.0010 ppm
Concentration RSD	0.3 %	0.2 %	0.1 %	0.2 %	0.7 %	0.6 %	159.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	11.0932 ppm	0.5291 ppm	1.0597 ppm	42.0832 ppm	0.5288 ppm	0.5304 ppm	0.5242 ppm
Concentration per Run	11.0761 ppm	0.5274 ppm	1.0591 ppm	41.8992 ppm	0.5294 ppm	0.5289 ppm	0.5249 ppm
Concentration per Run	11.1210 ppm	0.5331 ppm	1.0627 ppm	42.4507 ppm	0.5276 ppm	0.5312 ppm	0.5232 ppm
Concentration per Run	11.0823 ppm	0.5269 ppm	1.0574 ppm	41.8995 ppm	0.5294 ppm	0.5310 ppm	0.5246 ppm
Concentration RSD	0.2 %	0.7 %	0.3 %	0.8 %	0.2 %	0.2 %	0.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1244 ppm	2.3938 ppm	1.0283 [SIC 50]	1.0249 ppm	1.0465 ppm	0.1248 ppm	0.5394 ppm
Concentration per Run	0.1230 ppm	2.3929 ppm	1.0368 ppm	1.0231 ppm	1.0434 ppm	0.1242 ppm	0.5393 ppm
Concentration per Run	0.1234 ppm	2.3942 ppm	1.0240 ppm	1.0316 ppm	1.0461 ppm	0.1264 ppm	0.5396 ppm
Concentration per Run	0.1267 ppm	2.3943 ppm	1.0241 ppm	1.0200 ppm	1.0499 ppm	0.1238 ppm	0.5394 ppm
Concentration RSD	1.6 %	0.0 %	0.7 %	0.6 %	0.3 %	1.1 %	0.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5424 ppm	102.2085 %	104.8802 %	102.0383 %	100.0189 %	103.8816 %	101.3341 %
Concentration per Run	0.5433 ppm	102.1754 %	105.8755 %	102.4206 %	100.1268 %	104.4608 %	101.6945 %
Concentration per Run	0.5438 ppm	102.1225 %	103.9646 %	102.1386 %	99.5231 %	103.7003 %	101.4888 %
Concentration per Run	0.5401 ppm	102.3275 %	104.8003 %	101.5558 %	100.4068 %	103.4836 %	100.8189 %
Concentration RSD	0.4 %	0.1 %	0.9 %	0.4 %	0.5 %	0.5 %	0.5 %

ICP DataTrace 11

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LabBook: WG2146815_11262025T11.imexp

Sample: WG2143304-4 WG2143304
Analysis started at: 11/26/2025 2:08:16 PM
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Rack Number 2
Vial Numbers 8

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0005 ppm	0.0197 ppm	0.0002 ppm	0.0069 ppm	0.0079 ppm	0.0000 ppm	4.6093 ppm
Concentration per Run	-0.0005 ppm	0.0198 ppm	0.0006 ppm	0.0072 ppm	0.0080 ppm	0.0000 ppm	4.6096 ppm
Concentration per Run	-0.0006 ppm	0.0190 ppm	0.0008 ppm	0.0070 ppm	0.0080 ppm	0.0000 ppm	4.6617 ppm
Concentration per Run	-0.0005 ppm	0.0204 ppm	-0.0007 ppm	0.0064 ppm	0.0077 ppm	0.0000 ppm	4.5567 ppm
Concentration RSD	16.0 %	3.4 %	327.5 %	5.5 %	2.5 %	69.8 %	1.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0120 ppm	0.1230 ppm	0.9519 ppm	0.0030 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	0.0001 ppm	0.0118 ppm	0.1257 ppm	1.0089 ppm	0.0034 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	0.0002 ppm	0.0121 ppm	0.1251 ppm	0.9476 ppm	0.0022 ppm
Concentration per Run	-0.0001 ppm	0.0002 ppm	-0.0004 ppm	0.0121 ppm	0.1181 ppm	0.8991 ppm	0.0033 ppm
Concentration RSD	939.1 %	95.0 %	1,067.9 %	1.2 %	3.4 %	5.8 %	22.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.7883 ppm	0.0076 ppm	0.0011 ppm	32.0477 ppm	0.0009 ppm	-0.0008 ppm	0.0008 ppm
Concentration per Run	0.7927 ppm	0.0074 ppm	0.0010 ppm	32.1183 ppm	0.0010 ppm	-0.0007 ppm	0.0009 ppm
Concentration per Run	0.7869 ppm	0.0076 ppm	0.0011 ppm	32.4919 ppm	0.0000 ppm	-0.0010 ppm	-0.0034 ppm
Concentration per Run	0.7855 ppm	0.0079 ppm	0.0011 ppm	31.5330 ppm	0.0016 ppm	-0.0005 ppm	0.0049 ppm
Concentration RSD	0.5 %	3.5 %	6.5 %	1.5 %	90.5 %	38.3 %	509.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0013 ppm	1.2954 ppm	0.0019 ppm	0.0354 ppm	0.0004 ppm	0.0017 ppm	0.0002 ppm
Concentration per Run	0.0025 ppm	1.3015 ppm	0.0014 ppm	0.0354 ppm	0.0003 ppm	0.0012 ppm	-0.0001 ppm
Concentration per Run	0.0009 ppm	1.2960 ppm	0.0022 ppm	0.0358 ppm	0.0005 ppm	0.0011 ppm	0.0003 ppm
Concentration per Run	0.0006 ppm	1.2885 ppm	0.0021 ppm	0.0349 ppm	0.0004 ppm	0.0029 ppm	0.0003 ppm
Concentration RSD	78.7 %	0.5 %	23.5 %	1.3 %	26.1 %	59.6 %	127.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0014 ppm	103.0511 %	104.5874 %	103.3670 %	101.5338 %	103.9671 %	102.0470 %
Concentration per Run	0.0014 ppm	102.9349 %	104.8430 %	103.8902 %	101.4496 %	103.7982 %	102.7725 %
Concentration per Run	0.0013 ppm	103.6465 %	103.2845 %	102.9857 %	102.1967 %	103.9103 %	101.5355 %
Concentration per Run	0.0016 ppm	102.5720 %	105.6346 %	103.2252 %	100.9550 %	104.1928 %	101.8330 %
Concentration RSD	9.0 %	0.5 %	1.1 %	0.5 %	0.6 %	0.2 %	0.6 %

ICP DataTrace 11

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LabBook: WG2146815_11262025T11.imexp

Sample: WG2143304-5 WG2143304
Analysis started at: 11/26/2025 2:10:26 PM
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Rack Number 2
Vial Numbers 9

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0468 ppm	1.9544 ppm	0.1217 ppm	1.0824 ppm	1.9211 ppm	0.0486 ppm	14.9966 ppm
Concentration per Run	0.0473 ppm	1.9624 ppm	0.1229 ppm	1.0826 ppm	1.9198 ppm	0.0488 ppm	14.9785 ppm
Concentration per Run	0.0466 ppm	1.9618 ppm	0.1201 ppm	1.0786 ppm	1.9223 ppm	0.0486 ppm	15.0509 ppm
Concentration per Run	0.0466 ppm	1.9389 ppm	0.1220 ppm	1.0860 ppm	1.9211 ppm	0.0486 ppm	14.9604 ppm
Concentration RSD	0.9 %	0.7 %	1.2 %	0.3 %	0.1 %	0.2 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0546 ppm	0.4781 ppm	0.1929 ppm	0.2523 ppm	1.0766 ppm	11.7437 ppm	0.0030 ppm
Concentration per Run	0.0548 ppm	0.4798 ppm	0.1937 ppm	0.2531 ppm	1.0814 ppm	11.7348 ppm	0.0037 ppm
Concentration per Run	0.0546 ppm	0.4748 ppm	0.1928 ppm	0.2513 ppm	1.0755 ppm	11.7756 ppm	0.0023 ppm
Concentration per Run	0.0544 ppm	0.4797 ppm	0.1924 ppm	0.2526 ppm	1.0731 ppm	11.7208 ppm	0.0028 ppm
Concentration RSD	0.4 %	0.6 %	0.3 %	0.4 %	0.4 %	0.2 %	24.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	11.0671 ppm	0.4859 ppm	1.0549 ppm	41.2326 ppm	0.4853 ppm	0.5390 ppm	0.4637 ppm
Concentration per Run	11.0857 ppm	0.4866 ppm	1.0570 ppm	41.1416 ppm	0.4874 ppm	0.5373 ppm	0.4558 ppm
Concentration per Run	11.0365 ppm	0.4868 ppm	1.0528 ppm	41.3939 ppm	0.4830 ppm	0.5396 ppm	0.4618 ppm
Concentration per Run	11.0791 ppm	0.4843 ppm	1.0550 ppm	41.1622 ppm	0.4856 ppm	0.5399 ppm	0.4736 ppm
Concentration RSD	0.2 %	0.3 %	0.2 %	0.3 %	0.5 %	0.3 %	2.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1236 ppm	2.3622 ppm	1.0359 [SIC 50]	1.0299 ppm	1.0517 ppm	0.1252 ppm	0.4969 ppm
Concentration per Run	0.1220 ppm	2.3617 ppm	1.0362 ppm	1.0303 ppm	1.0591 ppm	0.1244 ppm	0.4987 ppm
Concentration per Run	0.1259 ppm	2.3548 ppm	1.0361 ppm	1.0299 ppm	1.0492 ppm	0.1248 ppm	0.4962 ppm
Concentration per Run	0.1231 ppm	2.3699 ppm	1.0354 ppm	1.0294 ppm	1.0469 ppm	0.1266 ppm	0.4959 ppm
Concentration RSD	1.6 %	0.3 %	0.0 %	0.0 %	0.6 %	0.9 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4965 ppm	101.6088 %	105.0621 %	101.7883 %	99.7853 %	103.6555 %	101.1940 %
Concentration per Run	0.4985 ppm	101.2783 %	105.1334 %	102.0400 %	99.8517 %	104.1610 %	101.4226 %
Concentration per Run	0.4941 ppm	102.5258 %	104.5874 %	101.8653 %	100.6767 %	103.0456 %	101.5252 %
Concentration per Run	0.4970 ppm	101.0223 %	105.4655 %	101.4596 %	98.8277 %	103.7600 %	100.6342 %
Concentration RSD	0.5 %	0.8 %	0.4 %	0.3 %	0.9 %	0.5 %	0.5 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2143304-6D5 WG2143304
Analysis started at: 11/26/2025 2:12:36 PM
Comment <Comment>
Rack Number 2
Vial Numbers 10

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0009 ppm	0.0055 ppm	0.0004 ppm	0.0031 ppm	0.0015 ppm	0.0001 ppm	0.9239 ppm
Concentration per Run	-0.0010 ppm	0.0083 ppm	0.0010 ppm	0.0027 ppm	0.0015 ppm	0.0001 ppm	0.9174 ppm
Concentration per Run	-0.0006 ppm	0.0064 ppm	-0.0019 ppm	0.0036 ppm	0.0015 ppm	0.0000 ppm	0.9356 ppm
Concentration per Run	-0.0009 ppm	0.0018 ppm	0.0020 ppm	0.0029 ppm	0.0016 ppm	0.0001 ppm	0.9189 ppm
Concentration RSD	22.9 %	60.7 %	565.7 %	15.8 %	3.8 %	40.5 %	1.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0003 ppm	-0.0007 ppm	0.0023 ppm	0.0273 ppm	0.2129 ppm	0.0016 ppm
Concentration per Run	0.0001 ppm	-0.0007 ppm	-0.0012 ppm	0.0024 ppm	0.0282 ppm	0.1977 ppm	0.0018 ppm
Concentration per Run	0.0000 ppm	0.0012 ppm	-0.0004 ppm	0.0021 ppm	0.0273 ppm	0.2300 ppm	0.0019 ppm
Concentration per Run	0.0000 ppm	0.0003 ppm	-0.0004 ppm	0.0023 ppm	0.0265 ppm	0.2111 ppm	0.0011 ppm
Concentration RSD	185.9 %	377.8 %	69.8 %	8.0 %	3.0 %	7.6 %	27.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.1616 ppm	0.0016 ppm	0.0010 ppm	6.5295 ppm	0.0009 ppm	-0.0003 ppm	0.0042 ppm
Concentration per Run	0.1615 ppm	0.0016 ppm	0.0009 ppm	6.4977 ppm	0.0012 ppm	-0.0003 ppm	0.0034 ppm
Concentration per Run	0.1612 ppm	0.0017 ppm	0.0009 ppm	6.5763 ppm	0.0005 ppm	-0.0004 ppm	0.0045 ppm
Concentration per Run	0.1619 ppm	0.0014 ppm	0.0011 ppm	6.5144 ppm	0.0010 ppm	-0.0004 ppm	0.0048 ppm
Concentration RSD	0.2 %	7.1 %	12.8 %	0.6 %	38.8 %	14.1 %	17.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0035 ppm	0.2579 ppm	0.0060 ppm	0.0071 ppm	0.0004 ppm	0.0009 ppm	0.0002 ppm
Concentration per Run	0.0038 ppm	0.2591 ppm	0.0051 ppm	0.0070 ppm	0.0005 ppm	0.0010 ppm	0.0000 ppm
Concentration per Run	0.0049 ppm	0.2575 ppm	0.0056 ppm	0.0072 ppm	0.0002 ppm	0.0011 ppm	0.0003 ppm
Concentration per Run	0.0019 ppm	0.2572 ppm	0.0073 ppm	0.0070 ppm	0.0006 ppm	0.0005 ppm	0.0004 ppm
Concentration RSD	43.7 %	0.4 %	19.5 %	1.7 %	50.2 %	35.0 %	89.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0005 ppm	102.9983 %	104.3390 %	103.5337 %	101.6670 %	103.8838 %	101.8125 %
Concentration per Run	0.0004 ppm	102.8973 %	104.8284 %	103.4056 %	101.6389 %	103.8216 %	101.5976 %
Concentration per Run	0.0005 ppm	103.4302 %	103.5695 %	103.7902 %	102.1852 %	104.0808 %	101.9682 %
Concentration per Run	0.0005 ppm	102.6673 %	104.6190 %	103.4053 %	101.1770 %	103.7490 %	101.8718 %
Concentration RSD	13.5 %	0.4 %	0.6 %	0.2 %	0.5 %	0.2 %	0.2 %

ICP DataTrace 11

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LabBook: WG2146815_11262025T11.imexp

Sample: CCV
Analysis started at: 11/26/2025 2:14:46 PM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4981 ppm	0.4865 ppm	0.4679 ppm	0.4965 ppm	0.4952 ppm	0.5005 ppm	0.4947 ppm
Concentration per Run	0.4979 ppm	0.4815 ppm	0.4667 ppm	0.4973 ppm	0.4938 ppm	0.5002 ppm	0.4924 ppm
Concentration per Run	0.4984 ppm	0.4893 ppm	0.4656 ppm	0.4936 ppm	0.4924 ppm	0.4977 ppm	0.4975 ppm
Concentration per Run	0.4981 ppm	0.4887 ppm	0.4714 ppm	0.4985 ppm	0.4993 ppm	0.5037 ppm	0.4942 ppm
Recovery Percentage	99.626 %	97.300 %	93.579 %	99.290 %	99.035 %	100.100 %	98.938 %
Concentration RSD	0.0 %	0.9 %	0.7 %	0.5 %	0.7 %	0.6 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5087 ppm	0.5130 ppm	0.5080 ppm	0.5132 ppm	0.4942 ppm	5.1821 ppm	0.4958 ppm
Concentration per Run	0.5095 ppm	0.5139 ppm	0.5090 ppm	0.5125 ppm	0.4950 ppm	5.1691 ppm	0.4913 ppm
Concentration per Run	0.5069 ppm	0.5101 ppm	0.5055 ppm	0.5128 ppm	0.4918 ppm	5.1585 ppm	0.4926 ppm
Concentration per Run	0.5098 ppm	0.5149 ppm	0.5096 ppm	0.5142 ppm	0.4957 ppm	5.2186 ppm	0.5035 ppm
Recovery Percentage	101.749 %	102.597 %	101.607 %	102.637 %	98.836 %	103.642 %	99.159 %
Concentration RSD	0.3 %	0.5 %	0.4 %	0.2 %	0.4 %	0.6 %	1.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4962 ppm	0.5037 ppm	0.4940 ppm	10.0581 ppm	0.5151 ppm	0.4963 ppm	0.5147 ppm
Concentration per Run	0.4972 ppm	0.5019 ppm	0.4934 ppm	9.9693 ppm	0.5166 ppm	0.4969 ppm	0.5156 ppm
Concentration per Run	0.4978 ppm	0.5017 ppm	0.4927 ppm	9.9810 ppm	0.5119 ppm	0.4955 ppm	0.5149 ppm
Concentration per Run	0.4935 ppm	0.5076 ppm	0.4960 ppm	10.2242 ppm	0.5168 ppm	0.4966 ppm	0.5136 ppm
Recovery Percentage	99.235 %	100.745 %	98.804 %	100.581 %	103.014 %	99.261 %	102.944 %
Concentration RSD	0.5 %	0.7 %	0.3 %	1.4 %	0.5 %	0.1 %	0.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4792 ppm	5.3548 ppm	0.4961 ppm	0.4841 ppm	0.4967 ppm	0.5054 ppm	0.5092 ppm
Concentration per Run	0.4767 ppm	5.3395 ppm	0.4986 ppm	0.4829 ppm	0.4961 ppm	0.5041 ppm	0.5102 ppm
Concentration per Run	0.4803 ppm	5.3471 ppm	0.4931 ppm	0.4809 ppm	0.4961 ppm	0.5077 ppm	0.5072 ppm
Concentration per Run	0.4806 ppm	5.3779 ppm	0.4966 ppm	0.4885 ppm	0.4979 ppm	0.5045 ppm	0.5102 ppm
Recovery Percentage	95.840 %	101.997 %	99.224 %	96.819 %	99.336 %	101.084 %	101.837 %
Concentration RSD	0.5 %	0.4 %	0.6 %	0.8 %	0.2 %	0.4 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5109 ppm	103.1089 %	103.9137 %	103.4728 %	101.2865 %	102.5507 %	101.4071 %
Concentration per Run	0.5121 ppm	102.6331 %	104.2721 %	102.7953 %	100.5552 %	102.1801 %	100.7471 %
Concentration per Run	0.5088 ppm	104.0624 %	104.4160 %	103.5759 %	101.8252 %	102.6312 %	101.5566 %
Concentration per Run	0.5119 ppm	102.6311 %	103.0529 %	104.0473 %	101.4789 %	102.8409 %	101.9175 %
Recovery Percentage	102.187 %						
Concentration RSD	0.4 %	0.8 %	0.7 %	0.6 %	0.6 %	0.3 %	0.6 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: CCB
Analysis started at: 11/26/2025 2:16:56 PM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0009 ppm	0.0044 ppm	0.0000 ppm	0.0026 ppm	-0.0001 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	-0.0004 ppm	0.0084 ppm	0.0011 ppm	0.0011 ppm	-0.0002 ppm	0.0000 ppm	0.0032 ppm
Concentration per Run	-0.0007 ppm	0.0045 ppm	-0.0002 ppm	0.0025 ppm	0.0000 ppm	0.0000 ppm	-0.0037 ppm
Concentration per Run	-0.0016 ppm	0.0003 ppm	-0.0010 ppm	0.0041 ppm	-0.0001 ppm	0.0000 ppm	0.0005 ppm
Recovery Percentage	-12.758 %	4.403 %	-0.710 %	8.557 %	-1.025 %	0.108 %	0.016 %
Concentration RSD	69.8 %	92.4 %	2,969.8 %	59.4 %	103.2 %	364.4 %	21,467.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0002 ppm	-0.0005 ppm	-0.0003 ppm	0.0006 ppm	-0.0112 ppm	0.0021 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	-0.0007 ppm	-0.0001 ppm	-0.0003 ppm	0.0016 ppm	0.0009 ppm
Concentration per Run	0.0000 ppm	-0.0003 ppm	-0.0006 ppm	-0.0002 ppm	0.0005 ppm	-0.0051 ppm	0.0032 ppm
Concentration per Run	0.0000 ppm	-0.0005 ppm	-0.0003 ppm	-0.0006 ppm	0.0015 ppm	-0.0302 ppm	0.0021 ppm
Recovery Percentage	0.763 %	-1.152 %	-5.150 %	-3.028 %	1.116 %	-0.450 %	41.314 %
Concentration RSD	22.5 %	123.7 %	42.0 %	98.3 %	167.1 %	149.4 %	54.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0019 ppm	-0.0002 ppm	0.0003 ppm	0.0167 ppm	0.0009 ppm	0.0002 ppm	0.0008 ppm
Concentration per Run	-0.0019 ppm	-0.0001 ppm	0.0010 ppm	0.0130 ppm	0.0012 ppm	0.0011 ppm	0.0024 ppm
Concentration per Run	-0.0021 ppm	-0.0002 ppm	0.0000 ppm	0.0190 ppm	0.0010 ppm	-0.0002 ppm	0.0025 ppm
Concentration per Run	-0.0018 ppm	-0.0003 ppm	-0.0002 ppm	0.0181 ppm	0.0006 ppm	-0.0003 ppm	-0.0025 ppm
Recovery Percentage	-1.939 %	-1.757 %	0.518 %	0.834 %	3.707 %	2.166 %	1.559 %
Concentration RSD	9.5 %	63.4 %	239.6 %	19.5 %	33.6 %	366.8 %	365.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0026 ppm	-0.0006 ppm	0.0009 ppm	0.0000 ppm	0.0000 ppm	0.0012 ppm	0.0001 ppm
Concentration per Run	-0.0015 ppm	-0.0024 ppm	0.0009 ppm	0.0000 ppm	-0.0002 ppm	0.0003 ppm	0.0001 ppm
Concentration per Run	0.0047 ppm	0.0007 ppm	0.0010 ppm	-0.0001 ppm	0.0002 ppm	0.0022 ppm	-0.0001 ppm
Concentration per Run	0.0046 ppm	-0.0001 ppm	0.0008 ppm	0.0000 ppm	0.0000 ppm	0.0009 ppm	0.0003 ppm
Recovery Percentage	26.018 %	-0.120 %	1.738 %	-0.497 %	0.112 %	5.765 %	1.022 %
Concentration RSD	137.9 %	269.2 %	11.4 %	116.6 %	1,801.0 %	86.3 %	167.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0001 ppm	100.7262 %	101.6483 %	102.5428 %	101.5952 %	102.6869 %	101.7252 %
Concentration per Run	0.0000 ppm	101.2369 %	103.4087 %	102.3010 %	101.8648 %	103.6008 %	101.4259 %
Concentration per Run	-0.0003 ppm	100.6354 %	100.8238 %	102.4713 %	101.4706 %	102.8042 %	101.8822 %
Concentration per Run	0.0000 ppm	100.3063 %	100.7125 %	102.8562 %	101.4503 %	101.6557 %	101.8676 %
Recovery Percentage	-2.308 %						
Concentration RSD	155.2 %	0.5 %	1.5 %	0.3 %	0.2 %	1.0 %	0.3 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2145946-1 WG2145946
Analysis started at: 11/26/2025 2:39:50 PM
Comment <Comment>
Rack Number 2
Vial Numbers 17

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0003 ppm	-0.0010 ppm	0.0010 ppm	0.0002 ppm	-0.0002 ppm	0.0000 ppm	0.0042 ppm
Concentration per Run	-0.0002 ppm	-0.0026 ppm	0.0006 ppm	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0055 ppm
Concentration per Run	0.0002 ppm	0.0001 ppm	0.0003 ppm	0.0006 ppm	-0.0002 ppm	0.0000 ppm	0.0018 ppm
Concentration per Run	-0.0010 ppm	-0.0004 ppm	0.0021 ppm	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0053 ppm
Recovery Percentage	-4.907 %	-0.955 %	19.663 %	0.622 %	-1.537 %	0.653 %	4.172 %
Concentration RSD	175.3 %	154.9 %	101.2 %	198.1 %	20.3 %	109.3 %	49.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0028 ppm	0.0033 ppm	0.0012 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	-0.0002 ppm	0.0002 ppm	0.0018 ppm	-0.0082 ppm	-0.0003 ppm
Concentration per Run	0.0001 ppm	0.0002 ppm	0.0005 ppm	0.0003 ppm	0.0033 ppm	0.0125 ppm	0.0006 ppm
Concentration per Run	0.0002 ppm	0.0001 ppm	-0.0003 ppm	0.0005 ppm	0.0034 ppm	0.0056 ppm	0.0034 ppm
Recovery Percentage	2.192 %	0.657 %	0.289 %	3.480 %	5.649 %	0.133 %	24.904 %
Concentration RSD	98.0 %	76.1 %	1,540.7 %	52.8 %	32.4 %	318.3 %	155.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0011 ppm	0.0000 ppm	-0.0002 ppm	0.0088 ppm	0.0004 ppm	-0.0004 ppm	-0.0014 ppm
Concentration per Run	-0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0112 ppm	0.0003 ppm	0.0004 ppm	0.0031 ppm
Concentration per Run	-0.0002 ppm	0.0001 ppm	-0.0002 ppm	0.0060 ppm	0.0007 ppm	-0.0005 ppm	-0.0030 ppm
Concentration per Run	0.0036 ppm	-0.0002 ppm	-0.0003 ppm	0.0092 ppm	0.0001 ppm	-0.0012 ppm	-0.0044 ppm
Recovery Percentage	1.055 %	-0.361 %	-0.324 %	0.440 %	1.517 %	-4.114 %	-2.882 %
Concentration RSD	206.1 %	407.7 %	107.3 %	29.5 %	77.6 %	196.4 %	276.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0032 ppm	0.0057 ppm	-0.0007 ppm	-0.0001 ppm	0.0000 ppm	0.0016 ppm	0.0004 ppm
Concentration per Run	0.0029 ppm	0.0049 ppm	0.0000 ppm	-0.0001 ppm	0.0002 ppm	0.0025 ppm	0.0003 ppm
Concentration per Run	0.0051 ppm	0.0051 ppm	-0.0008 ppm	-0.0001 ppm	-0.0002 ppm	0.0011 ppm	0.0004 ppm
Concentration per Run	0.0017 ppm	0.0071 ppm	-0.0014 ppm	-0.0002 ppm	0.0001 ppm	0.0013 ppm	0.0004 ppm
Recovery Percentage	32.231 %	1.136 %	-1.464 %	-1.186 %	0.278 %	8.136 %	3.528 %
Concentration RSD	53.1 %	21.3 %	95.0 %	50.5 %	883.7 %	45.6 %	22.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0001 ppm	103.0378 %	103.5441 %	105.4910 %	104.1949 %	104.3644 %	104.4102 %
Concentration per Run	-0.0001 ppm	103.3146 %	104.2284 %	104.9843 %	104.9586 %	105.3660 %	104.1975 %
Concentration per Run	0.0003 ppm	102.8611 %	103.1246 %	105.7694 %	103.6585 %	104.1096 %	104.7189 %
Concentration per Run	0.0002 ppm	102.9376 %	103.2793 %	105.7193 %	103.9677 %	103.6177 %	104.3141 %
Recovery Percentage	2.741 %						
Concentration RSD	154.5 %	0.2 %	0.6 %	0.4 %	0.7 %	0.9 %	0.3 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2573121-30 WG2145946
Analysis started at: 11/26/2025 2:42:12 PM
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Rack Number 2
Vial Numbers 27

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0007 ppm	0.0253 ppm	-0.0007 ppm	0.0007 ppm	-0.0002 ppm	0.0000 ppm	0.0064 ppm
Concentration per Run	-0.0012 ppm	0.0170 ppm	-0.0007 ppm	0.0011 ppm	-0.0003 ppm	0.0000 ppm	0.0080 ppm
Concentration per Run	-0.0005 ppm	0.0380 ppm	-0.0015 ppm	0.0017 ppm	-0.0001 ppm	0.0000 ppm	0.0076 ppm
Concentration per Run	-0.0003 ppm	0.0207 ppm	0.0000 ppm	-0.0006 ppm	-0.0002 ppm	0.0000 ppm	0.0035 ppm
Concentration RSD	70.1 %	44.4 %	105.4 %	171.5 %	60.7 %	3.9 %	39.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0001 ppm	-0.0006 ppm	0.0000 ppm	0.0030 ppm	-0.0298 ppm	0.0015 ppm
Concentration per Run	0.0000 ppm	-0.0005 ppm	-0.0005 ppm	-0.0002 ppm	0.0024 ppm	-0.0187 ppm	0.0016 ppm
Concentration per Run	0.0001 ppm	-0.0001 ppm	-0.0011 ppm	0.0003 ppm	0.0040 ppm	-0.0374 ppm	0.0031 ppm
Concentration per Run	0.0000 ppm	0.0008 ppm	-0.0003 ppm	-0.0001 ppm	0.0026 ppm	-0.0335 ppm	-0.0002 ppm
Concentration RSD	203.3 %	1,037.6 %	63.9 %	4,412,866.7 %	27.3 %	33.0 %	111.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0012 ppm	-0.0002 ppm	-0.0001 ppm	0.0049 ppm	0.0006 ppm	-0.0002 ppm	0.0001 ppm
Concentration per Run	0.0017 ppm	0.0000 ppm	-0.0005 ppm	-0.0002 ppm	0.0004 ppm	0.0008 ppm	-0.0022 ppm
Concentration per Run	0.0008 ppm	-0.0002 ppm	0.0007 ppm	0.0085 ppm	0.0013 ppm	-0.0003 ppm	-0.0005 ppm
Concentration per Run	0.0011 ppm	-0.0004 ppm	-0.0004 ppm	0.0064 ppm	0.0001 ppm	-0.0011 ppm	0.0029 ppm
Concentration RSD	36.7 %	84.9 %	948.2 %	93.5 %	107.2 %	533.3 %	4,472.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0018 ppm	0.0201 ppm	-0.0005 ppm	0.0000 ppm	0.0000 ppm	0.0017 ppm	0.0002 ppm
Concentration per Run	0.0052 ppm	0.0189 ppm	-0.0006 ppm	0.0000 ppm	-0.0003 ppm	0.0017 ppm	0.0002 ppm
Concentration per Run	0.0009 ppm	0.0203 ppm	0.0000 ppm	0.0000 ppm	0.0003 ppm	0.0005 ppm	0.0003 ppm
Concentration per Run	-0.0006 ppm	0.0210 ppm	-0.0011 ppm	-0.0001 ppm	0.0001 ppm	0.0030 ppm	0.0001 ppm
Concentration RSD	165.5 %	5.4 %	101.5 %	108.3 %	2,297.7 %	73.6 %	50.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0044 ppm	104.4798 %	104.8837 %	106.5229 %	105.0459 %	105.0303 %	105.0330 %
Concentration per Run	0.0047 ppm	103.3748 %	104.8197 %	106.3914 %	104.4333 %	104.8979 %	104.9461 %
Concentration per Run	0.0042 ppm	105.3952 %	104.9676 %	106.1437 %	105.6749 %	105.8055 %	104.3860 %
Concentration per Run	0.0044 ppm	104.6694 %	104.8638 %	107.0335 %	105.0295 %	104.3876 %	105.7668 %
Concentration RSD	6.6 %	1.0 %	0.1 %	0.4 %	0.6 %	0.7 %	0.7 %

ICP DataTrace 11

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LabBook: WG2146815_11262025T11.imexp

Sample: L2573121-32 WG2145946
Analysis started at: 11/26/2025 2:44:22 PM
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Rack Number 2
Vial Numbers 28

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0006 ppm	0.0050 ppm	-0.0021 ppm	0.0008 ppm	0.0000 ppm	0.0000 ppm	0.0181 ppm
Concentration per Run	-0.0007 ppm	0.0039 ppm	0.0000 ppm	0.0015 ppm	0.0000 ppm	0.0000 ppm	0.0160 ppm
Concentration per Run	-0.0007 ppm	0.0065 ppm	-0.0040 ppm	0.0007 ppm	0.0000 ppm	0.0000 ppm	0.0186 ppm
Concentration per Run	-0.0004 ppm	0.0046 ppm	-0.0021 ppm	0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0198 ppm
Concentration RSD	25.0 %	27.6 %	96.0 %	74.6 %	181.8 %	595.0 %	10.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0001 ppm	-0.0002 ppm	0.0001 ppm	0.0085 ppm	-0.0098 ppm	0.0010 ppm
Concentration per Run	0.0002 ppm	0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0093 ppm	-0.0201 ppm	0.0012 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	-0.0005 ppm	-0.0004 ppm	0.0083 ppm	0.0019 ppm	0.0012 ppm
Concentration per Run	0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0006 ppm	0.0080 ppm	-0.0110 ppm	0.0008 ppm
Concentration RSD	32.1 %	209.8 %	132.2 %	735.0 %	8.3 %	113.3 %	24.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0019 ppm	0.0000 ppm	0.0003 ppm	0.0104 ppm	0.0006 ppm	-0.0004 ppm	-0.0017 ppm
Concentration per Run	0.0011 ppm	0.0001 ppm	0.0000 ppm	0.0093 ppm	0.0007 ppm	-0.0005 ppm	-0.0003 ppm
Concentration per Run	0.0028 ppm	-0.0002 ppm	0.0005 ppm	0.0038 ppm	0.0012 ppm	-0.0010 ppm	-0.0052 ppm
Concentration per Run	0.0020 ppm	0.0000 ppm	0.0005 ppm	0.0181 ppm	-0.0001 ppm	0.0005 ppm	0.0005 ppm
Concentration RSD	43.3 %	473.8 %	86.6 %	69.5 %	105.9 %	208.3 %	183.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0005 ppm	0.0220 ppm	-0.0006 ppm	-0.0001 ppm	-0.0002 ppm	0.0029 ppm	0.0002 ppm
Concentration per Run	-0.0026 ppm	0.0201 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0032 ppm	0.0004 ppm
Concentration per Run	0.0019 ppm	0.0238 ppm	-0.0003 ppm	-0.0001 ppm	-0.0004 ppm	0.0033 ppm	0.0002 ppm
Concentration per Run	0.0020 ppm	0.0219 ppm	-0.0016 ppm	-0.0001 ppm	-0.0004 ppm	0.0021 ppm	0.0001 ppm
Concentration RSD	566.7 %	8.3 %	148.4 %	102.4 %	93.1 %	23.1 %	55.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0014 ppm	103.3143 %	103.8269 %	105.6356 %	104.3679 %	104.6075 %	104.3833 %
Concentration per Run	0.0014 ppm	103.2844 %	103.1082 %	106.2276 %	104.5901 %	104.5648 %	104.9131 %
Concentration per Run	0.0011 ppm	103.0923 %	103.6772 %	105.4013 %	104.2918 %	104.7235 %	104.1196 %
Concentration per Run	0.0018 ppm	103.5664 %	104.6953 %	105.2780 %	104.2218 %	104.5342 %	104.1173 %
Concentration RSD	22.4 %	0.2 %	0.8 %	0.5 %	0.2 %	0.1 %	0.4 %

ICP DataTrace 11

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LabBook: WG2146815_11262025T11.imexp

Sample: WG2145946-2 WG2145946
Analysis started at: 11/26/2025 2:46:33 PM
Comment <Comment>
Rack Number 2
Vial Numbers 18

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0470 ppm	1.9436 ppm	0.1180 ppm	1.0170 ppm	1.8911 ppm	0.0477 ppm	10.2805 ppm
Concentration per Run	0.0473 ppm	1.9605 ppm	0.1181 ppm	1.0094 ppm	1.9019 ppm	0.0480 ppm	10.3136 ppm
Concentration per Run	0.0466 ppm	1.9498 ppm	0.1174 ppm	1.0158 ppm	1.9020 ppm	0.0479 ppm	10.3449 ppm
Concentration per Run	0.0470 ppm	1.9205 ppm	0.1184 ppm	1.0258 ppm	1.8695 ppm	0.0473 ppm	10.1829 ppm
Concentration RSD	0.7 %	1.1 %	0.4 %	0.8 %	1.0 %	0.8 %	0.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0541 ppm	0.4763 ppm	0.1916 ppm	0.2415 ppm	0.9552 ppm	10.4428 ppm	0.0035 ppm
Concentration per Run	0.0541 ppm	0.4751 ppm	0.1916 ppm	0.2411 ppm	0.9616 ppm	10.4932 ppm	0.0012 ppm
Concentration per Run	0.0543 ppm	0.4760 ppm	0.1914 ppm	0.2407 ppm	0.9586 ppm	10.5189 ppm	0.0048 ppm
Concentration per Run	0.0540 ppm	0.4779 ppm	0.1919 ppm	0.2426 ppm	0.9454 ppm	10.3162 ppm	0.0045 ppm
Concentration RSD	0.4 %	0.3 %	0.1 %	0.4 %	0.9 %	1.1 %	58.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	10.0545 ppm	0.4746 ppm	1.0219 ppm	10.5085 ppm	0.4847 ppm	0.5299 ppm	0.4822 ppm
Concentration per Run	10.1270 ppm	0.4764 ppm	1.0204 ppm	10.6210 ppm	0.4831 ppm	0.5322 ppm	0.4663 ppm
Concentration per Run	9.9929 ppm	0.4774 ppm	1.0209 ppm	10.5661 ppm	0.4843 ppm	0.5292 ppm	0.4918 ppm
Concentration per Run	10.0435 ppm	0.4699 ppm	1.0244 ppm	10.3385 ppm	0.4868 ppm	0.5284 ppm	0.4886 ppm
Concentration RSD	0.7 %	0.9 %	0.2 %	1.4 %	0.4 %	0.4 %	2.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1216 ppm	1.1926 ppm	1.0031 [SIC 50]	0.9625 ppm	1.0070 ppm	0.1245 ppm	0.4919 ppm
Concentration per Run	0.1223 ppm	1.1906 ppm	1.0018 ppm	0.9688 ppm	1.0124 ppm	0.1242 ppm	0.4910 ppm
Concentration per Run	0.1223 ppm	1.1896 ppm	1.0021 ppm	0.9685 ppm	1.0007 ppm	0.1251 ppm	0.4904 ppm
Concentration per Run	0.1202 ppm	1.1977 ppm	1.0054 ppm	0.9502 ppm	1.0079 ppm	0.1241 ppm	0.4942 ppm
Concentration RSD	1.0 %	0.4 %	0.2 %	1.1 %	0.6 %	0.4 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4847 ppm	103.1838 %	105.1526 %	102.7235 %	102.1568 %	103.7143 %	101.6683 %
Concentration per Run	0.4846 ppm	102.7631 %	104.3475 %	102.4782 %	101.7552 %	103.3832 %	101.7574 %
Concentration per Run	0.4832 ppm	103.4895 %	104.5297 %	102.9565 %	102.3017 %	103.9491 %	101.8395 %
Concentration per Run	0.4864 ppm	103.2990 %	106.5807 %	102.7358 %	102.4134 %	103.8105 %	101.4082 %
Concentration RSD	0.3 %	0.4 %	1.2 %	0.2 %	0.3 %	0.3 %	0.2 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2571778-01 WG2143304
Analysis started at: 11/26/2025 2:48:43 PM
Comment <Comment>
Rack Number 2
Vial Numbers 12

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	0.0805 ppm	0.0006 ppm	0.0071 ppm	0.0104 ppm	0.0000 ppm	15.4070 ppm
Concentration per Run	-0.0003 ppm	0.0811 ppm	0.0031 ppm	0.0073 ppm	0.0104 ppm	0.0001 ppm	15.3925 ppm
Concentration per Run	0.0000 ppm	0.0747 ppm	-0.0010 ppm	0.0066 ppm	0.0103 ppm	0.0000 ppm	15.4238 ppm
Concentration per Run	-0.0004 ppm	0.0856 ppm	-0.0002 ppm	0.0076 ppm	0.0103 ppm	0.0000 ppm	15.4048 ppm
Concentration RSD	71.2 %	6.8 %	341.5 %	7.4 %	0.6 %	48.1 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0003 ppm	0.0000 ppm	0.1374 ppm	2.2355 ppm	1.3823 ppm	0.0025 ppm
Concentration per Run	0.0000 ppm	0.0006 ppm	-0.0001 ppm	0.1380 ppm	2.2262 ppm	1.4137 ppm	0.0015 ppm
Concentration per Run	0.0000 ppm	0.0003 ppm	0.0002 ppm	0.1367 ppm	2.2346 ppm	1.3783 ppm	0.0029 ppm
Concentration per Run	0.0002 ppm	0.0001 ppm	-0.0001 ppm	0.1374 ppm	2.2457 ppm	1.3549 ppm	0.0032 ppm
Concentration RSD	240.3 %	71.3 %	1,211.3 %	0.5 %	0.4 %	2.1 %	34.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	2.1176 ppm	0.0355 ppm	0.0007 ppm	8.1561 ppm	0.0013 ppm	0.0047 ppm	0.0019 ppm
Concentration per Run	2.1141 ppm	0.0353 ppm	0.0007 ppm	8.0876 ppm	0.0007 ppm	0.0049 ppm	0.0048 ppm
Concentration per Run	2.1241 ppm	0.0357 ppm	0.0008 ppm	8.1701 ppm	0.0010 ppm	0.0043 ppm	-0.0015 ppm
Concentration per Run	2.1146 ppm	0.0355 ppm	0.0006 ppm	8.2104 ppm	0.0022 ppm	0.0048 ppm	0.0023 ppm
Concentration RSD	0.3 %	0.6 %	17.4 %	0.8 %	61.4 %	6.8 %	167.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0039 ppm	3.3723 ppm	0.0018 ppm	0.0631 ppm	0.0031 ppm	0.0021 ppm	0.0009 ppm
Concentration per Run	0.0043 ppm	3.3632 ppm	0.0015 ppm	0.0629 ppm	0.0033 ppm	0.0012 ppm	0.0008 ppm
Concentration per Run	0.0039 ppm	3.3717 ppm	0.0019 ppm	0.0630 ppm	0.0030 ppm	0.0037 ppm	0.0011 ppm
Concentration per Run	0.0035 ppm	3.3818 ppm	0.0019 ppm	0.0634 ppm	0.0031 ppm	0.0013 ppm	0.0007 ppm
Concentration RSD	9.4 %	0.3 %	11.5 %	0.4 %	6.3 %	69.0 %	25.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1465 ppm	104.4290 %	105.8505 %	105.2106 %	103.5254 %	105.0753 %	103.6532 %
Concentration per Run	0.1451 ppm	104.2912 %	106.5697 %	105.2632 %	103.6954 %	105.5791 %	103.3695 %
Concentration per Run	0.1472 ppm	104.1255 %	105.6545 %	104.9333 %	102.8884 %	104.9203 %	103.8447 %
Concentration per Run	0.1473 ppm	104.8704 %	105.3274 %	105.4353 %	103.9923 %	104.7266 %	103.7453 %
Concentration RSD	0.8 %	0.4 %	0.6 %	0.2 %	0.6 %	0.4 %	0.2 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2572704-01 WG2145946
Analysis started at: 11/26/2025 2:50:53 PM
Comment <Comment>
Rack Number 2
Vial Numbers 19

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0003 ppm	0.0236 ppm	0.0228 ppm	0.0455 ppm	0.0374 ppm	0.0001 ppm	22.8069 ppm
Concentration per Run	-0.0004 ppm	0.0154 ppm	0.0221 ppm	0.0460 ppm	0.0376 ppm	0.0001 ppm	22.7994 ppm
Concentration per Run	-0.0002 ppm	0.0257 ppm	0.0219 ppm	0.0453 ppm	0.0369 ppm	0.0001 ppm	22.6811 ppm
Concentration per Run	-0.0002 ppm	0.0298 ppm	0.0244 ppm	0.0451 ppm	0.0376 ppm	0.0000 ppm	22.9403 ppm
Concentration RSD	39.3 %	31.5 %	6.2 %	1.0 %	1.0 %	26.0 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0001 ppm	0.0001 ppm	0.0004 ppm	23.6897 ppm	4.9934 ppm	0.0039 ppm
Concentration per Run	0.0002 ppm	0.0001 ppm	0.0002 ppm	0.0003 ppm	23.6892 ppm	5.0029 ppm	0.0046 ppm
Concentration per Run	0.0002 ppm	0.0004 ppm	-0.0001 ppm	0.0006 ppm	23.5674 ppm	4.9320 ppm	0.0031 ppm
Concentration per Run	0.0002 ppm	-0.0001 ppm	0.0002 ppm	0.0003 ppm	23.8126 ppm	5.0452 ppm	0.0042 ppm
Concentration RSD	6.8 %	248.5 %	124.5 %	41.9 %	0.5 %	1.1 %	19.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	3.6389 ppm	2.0999 ppm	0.0025 ppm	38.5143 ppm	0.0010 ppm	-0.0015 ppm	-0.0002 ppm
Concentration per Run	3.6383 ppm	2.0991 ppm	0.0021 ppm	38.4600 ppm	-0.0003 ppm	-0.0013 ppm	-0.0042 ppm
Concentration per Run	3.6386 ppm	2.0924 ppm	0.0030 ppm	38.1181 ppm	0.0014 ppm	-0.0017 ppm	0.0012 ppm
Concentration per Run	3.6398 ppm	2.1083 ppm	0.0023 ppm	38.9650 ppm	0.0020 ppm	-0.0016 ppm	0.0024 ppm
Concentration RSD	0.0 %	0.4 %	18.0 %	1.1 %	111.5 %	15.6 %	1,742.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0023 ppm	6.6505 ppm	-0.0002 ppm	0.1601 ppm	0.0004 ppm	0.0018 ppm	0.0003 ppm
Concentration per Run	0.0011 ppm	6.6123 ppm	-0.0008 ppm	0.1604 ppm	0.0003 ppm	0.0017 ppm	0.0006 ppm
Concentration per Run	0.0030 ppm	6.6741 ppm	-0.0002 ppm	0.1585 ppm	0.0005 ppm	0.0023 ppm	0.0002 ppm
Concentration per Run	0.0029 ppm	6.6649 ppm	0.0004 ppm	0.1615 ppm	0.0003 ppm	0.0015 ppm	0.0001 ppm
Concentration RSD	45.1 %	0.5 %	339.9 %	1.0 %	40.2 %	22.2 %	78.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0009 ppm	102.0914 %	104.8563 %	102.2067 %	100.6899 %	104.3208 %	101.8809 %
Concentration per Run	0.0009 ppm	103.0806 %	104.4864 %	102.6974 %	101.3810 %	104.0411 %	102.4507 %
Concentration per Run	0.0007 ppm	101.9235 %	105.4210 %	102.6062 %	100.6167 %	103.7516 %	102.3370 %
Concentration per Run	0.0013 ppm	101.2701 %	104.6615 %	101.3165 %	100.0719 %	105.1697 %	100.8552 %
Concentration RSD	32.7 %	0.9 %	0.5 %	0.8 %	0.7 %	0.7 %	0.9 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2145946-3 WG2145946
Analysis started at: 11/26/2025 2:53:03 PM
Comment <Comment>
Rack Number 2
Vial Numbers 20

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0467 ppm	1.9495 ppm	0.1481 ppm	1.0873 ppm	1.9283 ppm	0.0481 ppm	32.8637 ppm
Concentration per Run	0.0468 ppm	1.9562 ppm	0.1486 ppm	1.0892 ppm	1.9145 ppm	0.0479 ppm	32.7644 ppm
Concentration per Run	0.0465 ppm	1.9317 ppm	0.1459 ppm	1.0806 ppm	1.9336 ppm	0.0483 ppm	32.8162 ppm
Concentration per Run	0.0468 ppm	1.9607 ppm	0.1497 ppm	1.0921 ppm	1.9368 ppm	0.0483 ppm	33.0106 ppm
Concentration RSD	0.3 %	0.8 %	1.3 %	0.6 %	0.6 %	0.5 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0540 ppm	0.4733 ppm	0.1909 ppm	0.2409 ppm	24.3720 ppm	15.5338 ppm	0.0033 ppm
Concentration per Run	0.0540 ppm	0.4734 ppm	0.1917 ppm	0.2414 ppm	24.2681 ppm	15.4416 ppm	0.0039 ppm
Concentration per Run	0.0539 ppm	0.4712 ppm	0.1895 ppm	0.2402 ppm	24.3893 ppm	15.5657 ppm	0.0024 ppm
Concentration per Run	0.0540 ppm	0.4752 ppm	0.1914 ppm	0.2412 ppm	24.4586 ppm	15.5941 ppm	0.0035 ppm
Concentration RSD	0.1 %	0.4 %	0.6 %	0.3 %	0.4 %	0.5 %	23.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	13.5047 ppm	2.5505 ppm	1.0312 ppm	48.5114 ppm	0.4798 ppm	0.5256 ppm	0.5181 ppm
Concentration per Run	13.5379 ppm	2.5424 ppm	1.0309 ppm	48.1658 ppm	0.4813 ppm	0.5243 ppm	0.5155 ppm
Concentration per Run	13.4426 ppm	2.5478 ppm	1.0302 ppm	48.5973 ppm	0.4782 ppm	0.5279 ppm	0.5136 ppm
Concentration per Run	13.5337 ppm	2.5613 ppm	1.0327 ppm	48.7711 ppm	0.4798 ppm	0.5247 ppm	0.5251 ppm
Concentration RSD	0.4 %	0.4 %	0.1 %	0.6 %	0.3 %	0.4 %	1.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1269 ppm	7.8901 ppm	1.0011 [SIC 50]	1.1250 ppm	1.0146 ppm	0.1233 ppm	0.4951 ppm
Concentration per Run	0.1236 ppm	7.8949 ppm	1.0001 ppm	1.1207 ppm	1.0198 ppm	0.1219 ppm	0.4961 ppm
Concentration per Run	0.1281 ppm	7.8788 ppm	1.0027 ppm	1.1265 ppm	1.0092 ppm	0.1236 ppm	0.4933 ppm
Concentration per Run	0.1289 ppm	7.8966 ppm	1.0003 ppm	1.1277 ppm	1.0149 ppm	0.1245 ppm	0.4958 ppm
Concentration RSD	2.2 %	0.1 %	0.1 %	0.3 %	0.5 %	1.1 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4867 ppm	101.4363 %	105.3710 %	100.5612 %	100.0834 %	103.9668 %	101.0592 %
Concentration per Run	0.4871 ppm	101.2617 %	105.4742 %	100.8096 %	100.2238 %	103.5202 %	101.0204 %
Concentration per Run	0.4837 ppm	101.8573 %	105.7181 %	100.5666 %	100.2566 %	104.3568 %	101.3679 %
Concentration per Run	0.4893 ppm	101.1898 %	104.9206 %	100.3074 %	99.7697 %	104.0233 %	100.7893 %
Concentration RSD	0.6 %	0.4 %	0.4 %	0.2 %	0.3 %	0.4 %	0.3 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2145946-4 WG2145946
Analysis started at: 11/26/2025 2:55:14 PM
Comment <Comment>
Rack Number 2
Vial Numbers 21

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	0.0285 ppm	0.0230 ppm	0.0453 ppm	0.0374 ppm	0.0000 ppm	23.0406 ppm
Concentration per Run	-0.0007 ppm	0.0247 ppm	0.0245 ppm	0.0462 ppm	0.0377 ppm	0.0001 ppm	23.1346 ppm
Concentration per Run	-0.0001 ppm	0.0313 ppm	0.0240 ppm	0.0442 ppm	0.0370 ppm	0.0000 ppm	22.9004 ppm
Concentration per Run	0.0001 ppm	0.0296 ppm	0.0204 ppm	0.0454 ppm	0.0374 ppm	0.0001 ppm	23.0867 ppm
Concentration RSD	190.6 %	12.0 %	9.7 %	2.2 %	0.9 %	68.7 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0005 ppm	0.0000 ppm	0.0007 ppm	23.7559 ppm	5.0378 ppm	0.0022 ppm
Concentration per Run	0.0002 ppm	0.0003 ppm	0.0001 ppm	0.0008 ppm	23.8502 ppm	5.0589 ppm	0.0032 ppm
Concentration per Run	0.0002 ppm	0.0005 ppm	0.0001 ppm	0.0009 ppm	23.6753 ppm	5.0286 ppm	0.0030 ppm
Concentration per Run	0.0001 ppm	0.0009 ppm	-0.0003 ppm	0.0005 ppm	23.7421 ppm	5.0258 ppm	0.0004 ppm
Concentration RSD	30.7 %	49.2 %	987.5 %	27.8 %	0.4 %	0.4 %	71.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	3.6612 ppm	2.1278 ppm	0.0032 ppm	38.5635 ppm	0.0013 ppm	-0.0008 ppm	0.0000 ppm
Concentration per Run	3.6751 ppm	2.1388 ppm	0.0029 ppm	38.6325 ppm	0.0017 ppm	-0.0004 ppm	0.0021 ppm
Concentration per Run	3.6471 ppm	2.1107 ppm	0.0028 ppm	38.1725 ppm	0.0016 ppm	-0.0009 ppm	0.0002 ppm
Concentration per Run	3.6614 ppm	2.1339 ppm	0.0039 ppm	38.8855 ppm	0.0006 ppm	-0.0010 ppm	-0.0024 ppm
Concentration RSD	0.4 %	0.7 %	19.2 %	0.9 %	49.2 %	46.0 %	4,776.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0029 ppm	6.6898 ppm	0.0024 ppm	0.1606 ppm	0.0007 ppm	0.0008 ppm	0.0003 ppm
Concentration per Run	0.0025 ppm	6.6974 ppm	0.0036 ppm	0.1608 ppm	0.0006 ppm	0.0025 ppm	0.0005 ppm
Concentration per Run	0.0026 ppm	6.6761 ppm	0.0015 ppm	0.1599 ppm	0.0007 ppm	-0.0001 ppm	0.0003 ppm
Concentration per Run	0.0036 ppm	6.6959 ppm	0.0023 ppm	0.1610 ppm	0.0009 ppm	-0.0001 ppm	0.0002 ppm
Concentration RSD	21.9 %	0.2 %	43.6 %	0.4 %	22.9 %	192.5 %	52.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0009 ppm	102.6999 %	105.3860 %	101.8583 %	101.5186 %	104.2520 %	101.8856 %
Concentration per Run	0.0006 ppm	102.4846 %	104.9815 %	101.9515 %	101.8542 %	103.9600 %	102.0632 %
Concentration per Run	0.0011 ppm	103.4197 %	106.1411 %	101.0602 %	101.7471 %	104.7667 %	101.1051 %
Concentration per Run	0.0009 ppm	102.1954 %	105.0353 %	102.5632 %	100.9545 %	104.0293 %	102.4884 %
Concentration RSD	27.1 %	0.6 %	0.6 %	0.7 %	0.5 %	0.4 %	0.7 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2145946-5 WG2145946
Analysis started at: 11/26/2025 2:57:24 PM
Comment <Comment>
Rack Number 2
Vial Numbers 22

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0449 ppm	1.8889 ppm	0.1409 ppm	1.0646 ppm	1.8770 ppm	0.0466 ppm	32.2188 ppm
Concentration per Run	0.0451 ppm	1.8846 ppm	0.1406 ppm	1.0623 ppm	1.8792 ppm	0.0466 ppm	32.2240 ppm
Concentration per Run	0.0444 ppm	1.8811 ppm	0.1424 ppm	1.0634 ppm	1.8728 ppm	0.0466 ppm	32.1735 ppm
Concentration per Run	0.0451 ppm	1.9010 ppm	0.1397 ppm	1.0680 ppm	1.8790 ppm	0.0466 ppm	32.2589 ppm
Concentration RSD	0.8 %	0.6 %	1.0 %	0.3 %	0.2 %	0.1 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0520 ppm	0.4547 ppm	0.1843 ppm	0.2304 ppm	23.8243 ppm	15.3259 ppm	0.0031 ppm
Concentration per Run	0.0520 ppm	0.4535 ppm	0.1847 ppm	0.2302 ppm	23.7997 ppm	15.2844 ppm	0.0034 ppm
Concentration per Run	0.0520 ppm	0.4570 ppm	0.1845 ppm	0.2304 ppm	23.8286 ppm	15.2705 ppm	0.0023 ppm
Concentration per Run	0.0520 ppm	0.4536 ppm	0.1836 ppm	0.2307 ppm	23.8446 ppm	15.4229 ppm	0.0036 ppm
Concentration RSD	0.0 %	0.4 %	0.3 %	0.1 %	0.1 %	0.5 %	22.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	13.1516 ppm	2.4848 ppm	1.0011 ppm	47.6569 ppm	0.4590 ppm	0.5130 ppm	0.4379 ppm
Concentration per Run	13.1084 ppm	2.4886 ppm	0.9968 ppm	47.6019 ppm	0.4594 ppm	0.5141 ppm	0.4236 ppm
Concentration per Run	13.1604 ppm	2.4773 ppm	1.0013 ppm	47.6032 ppm	0.4596 ppm	0.5128 ppm	0.4414 ppm
Concentration per Run	13.1859 ppm	2.4885 ppm	1.0050 ppm	47.7655 ppm	0.4582 ppm	0.5121 ppm	0.4485 ppm
Concentration RSD	0.3 %	0.3 %	0.4 %	0.2 %	0.2 %	0.2 %	2.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1195 ppm	7.5414 ppm	0.9801 ppm	1.1125 ppm	0.9912 ppm	0.1175 ppm	0.4756 ppm
Concentration per Run	0.1162 ppm	7.5228 ppm	0.9747 ppm	1.1137 ppm	0.9858 ppm	0.1158 ppm	0.4750 ppm
Concentration per Run	0.1213 ppm	7.5555 ppm	0.9850 ppm	1.1098 ppm	0.9956 ppm	0.1198 ppm	0.4765 ppm
Concentration per Run	0.1210 ppm	7.5458 ppm	0.9805 ppm	1.1140 ppm	0.9924 ppm	0.1168 ppm	0.4752 ppm
Concentration RSD	2.4 %	0.2 %	0.5 %	0.2 %	0.5 %	1.8 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4676 ppm	101.2786 %	104.0611 %	100.1502 %	99.6300 %	103.6887 %	100.5887 %
Concentration per Run	0.4667 ppm	101.7519 %	104.2237 %	100.2686 %	99.9357 %	103.8299 %	100.6204 %
Concentration per Run	0.4675 ppm	101.1121 %	104.1826 %	99.7892 %	99.4522 %	103.5897 %	100.3011 %
Concentration per Run	0.4687 ppm	100.9718 %	103.7770 %	100.3927 %	99.5020 %	103.6466 %	100.8446 %
Concentration RSD	0.2 %	0.4 %	0.2 %	0.3 %	0.3 %	0.1 %	0.3 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2145946-6D5 WG2145946
Analysis started at: 11/26/2025 2:59:34 PM
Comment <Comment>
Rack Number 2
Vial Numbers 23

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0003 ppm	0.0112 ppm	0.0036 ppm	0.0104 ppm	0.0069 ppm	0.0001 ppm	4.3057 ppm
Concentration per Run	-0.0007 ppm	0.0049 ppm	0.0036 ppm	0.0112 ppm	0.0068 ppm	0.0001 ppm	4.3136 ppm
Concentration per Run	-0.0001 ppm	0.0150 ppm	0.0031 ppm	0.0113 ppm	0.0070 ppm	0.0000 ppm	4.3082 ppm
Concentration per Run	-0.0002 ppm	0.0136 ppm	0.0041 ppm	0.0086 ppm	0.0070 ppm	0.0001 ppm	4.2952 ppm
Concentration RSD	106.5 %	48.9 %	14.2 %	14.5 %	1.8 %	37.3 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0004 ppm	0.0002 ppm	0.0002 ppm	4.4821 ppm	0.9476 ppm	0.0021 ppm
Concentration per Run	0.0002 ppm	0.0007 ppm	0.0000 ppm	0.0001 ppm	4.4864 ppm	0.9597 ppm	0.0017 ppm
Concentration per Run	0.0002 ppm	0.0002 ppm	0.0004 ppm	0.0007 ppm	4.4779 ppm	0.9233 ppm	0.0019 ppm
Concentration per Run	0.0001 ppm	0.0002 ppm	0.0001 ppm	-0.0001 ppm	4.4819 ppm	0.9598 ppm	0.0026 ppm
Concentration RSD	33.3 %	79.4 %	121.9 %	205.7 %	0.1 %	2.2 %	23.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.6979 ppm	0.3986 ppm	0.0014 ppm	7.3432 ppm	0.0010 ppm	-0.0006 ppm	0.0070 ppm
Concentration per Run	0.6986 ppm	0.4010 ppm	0.0009 ppm	7.3638 ppm	0.0012 ppm	-0.0007 ppm	0.0080 ppm
Concentration per Run	0.6983 ppm	0.3971 ppm	0.0018 ppm	7.2964 ppm	0.0007 ppm	-0.0009 ppm	0.0078 ppm
Concentration per Run	0.6968 ppm	0.3978 ppm	0.0013 ppm	7.3694 ppm	0.0011 ppm	-0.0003 ppm	0.0051 ppm
Concentration RSD	0.1 %	0.5 %	33.9 %	0.6 %	25.6 %	41.7 %	23.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0036 ppm	1.2258 ppm	0.0065 ppm	0.0301 ppm	0.0006 ppm	0.0012 ppm	0.0003 ppm
Concentration per Run	0.0006 ppm	1.2202 ppm	0.0065 ppm	0.0301 ppm	0.0011 ppm	0.0007 ppm	0.0003 ppm
Concentration per Run	0.0048 ppm	1.2344 ppm	0.0064 ppm	0.0300 ppm	0.0003 ppm	0.0001 ppm	0.0004 ppm
Concentration per Run	0.0055 ppm	1.2228 ppm	0.0065 ppm	0.0302 ppm	0.0003 ppm	0.0027 ppm	0.0001 ppm
Concentration RSD	73.5 %	0.6 %	1.5 %	0.3 %	85.5 %	114.0 %	48.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0005 ppm	102.4610 %	103.6501 %	103.5866 %	101.3103 %	103.2604 %	102.1581 %
Concentration per Run	0.0007 ppm	103.0729 %	103.3267 %	103.7217 %	102.3673 %	103.3400 %	102.2472 %
Concentration per Run	0.0004 ppm	101.6725 %	104.0916 %	103.1462 %	100.2671 %	103.2273 %	101.6055 %
Concentration per Run	0.0004 ppm	102.6376 %	103.5319 %	103.8920 %	101.2965 %	103.2141 %	102.6216 %
Concentration RSD	36.9 %	0.7 %	0.4 %	0.4 %	1.0 %	0.1 %	0.5 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: CCV
Analysis started at: 11/26/2025 3:01:45 PM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4936 ppm	0.4885 ppm	0.4665 ppm	0.4947 ppm	0.4986 ppm	0.5023 ppm	0.4975 ppm
Concentration per Run	0.4937 ppm	0.4846 ppm	0.4707 ppm	0.4918 ppm	0.4989 ppm	0.5021 ppm	0.4979 ppm
Concentration per Run	0.4941 ppm	0.4872 ppm	0.4626 ppm	0.4956 ppm	0.4963 ppm	0.5010 ppm	0.4985 ppm
Concentration per Run	0.4930 ppm	0.4937 ppm	0.4663 ppm	0.4967 ppm	0.5005 ppm	0.5037 ppm	0.4960 ppm
Recovery Percentage	98.722 %	97.700 %	93.308 %	98.936 %	99.717 %	100.459 %	99.500 %
Concentration RSD	0.1 %	1.0 %	0.9 %	0.5 %	0.4 %	0.3 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5080 ppm	0.5121 ppm	0.5076 ppm	0.5129 ppm	0.5011 ppm	5.2332 ppm	0.5185 ppm
Concentration per Run	0.5085 ppm	0.5122 ppm	0.5077 ppm	0.5130 ppm	0.4993 ppm	5.2313 ppm	0.5177 ppm
Concentration per Run	0.5070 ppm	0.5120 ppm	0.5070 ppm	0.5120 ppm	0.5021 ppm	5.2288 ppm	0.5117 ppm
Concentration per Run	0.5086 ppm	0.5122 ppm	0.5082 ppm	0.5137 ppm	0.5018 ppm	5.2394 ppm	0.5263 ppm
Recovery Percentage	101.602 %	102.429 %	101.520 %	102.586 %	100.213 %	104.663 %	103.706 %
Concentration RSD	0.2 %	0.0 %	0.1 %	0.2 %	0.3 %	0.1 %	1.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4949 ppm	0.5043 ppm	0.4917 ppm	10.2156 ppm	0.5132 ppm	0.4949 ppm	0.5069 ppm
Concentration per Run	0.4938 ppm	0.5051 ppm	0.4912 ppm	10.2046 ppm	0.5129 ppm	0.4954 ppm	0.5109 ppm
Concentration per Run	0.4960 ppm	0.5017 ppm	0.4918 ppm	10.1543 ppm	0.5124 ppm	0.4924 ppm	0.5028 ppm
Concentration per Run	0.4950 ppm	0.5060 ppm	0.4920 ppm	10.2880 ppm	0.5142 ppm	0.4970 ppm	0.5070 ppm
Recovery Percentage	98.986 %	100.857 %	98.332 %	102.156 %	102.631 %	98.982 %	101.382 %
Concentration RSD	0.2 %	0.4 %	0.1 %	0.7 %	0.2 %	0.5 %	0.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4805 ppm	5.3482 ppm	0.4982 ppm	0.4881 ppm	0.4924 ppm	0.5054 ppm	0.5081 ppm
Concentration per Run	0.4823 ppm	5.3451 ppm	0.4967 ppm	0.4873 ppm	0.4929 ppm	0.5061 ppm	0.5102 ppm
Concentration per Run	0.4772 ppm	5.3473 ppm	0.4986 ppm	0.4860 ppm	0.4916 ppm	0.5032 ppm	0.5072 ppm
Concentration per Run	0.4822 ppm	5.3523 ppm	0.4994 ppm	0.4910 ppm	0.4927 ppm	0.5071 ppm	0.5067 ppm
Recovery Percentage	96.109 %	101.871 %	99.646 %	97.622 %	98.485 %	101.088 %	101.610 %
Concentration RSD	0.6 %	0.1 %	0.3 %	0.5 %	0.1 %	0.4 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5088 ppm	102.9576 %	103.7584 %	104.0470 %	101.5334 %	103.1408 %	102.2335 %
Concentration per Run	0.5089 ppm	102.7355 %	103.6244 %	103.5543 %	101.1788 %	103.1064 %	102.0005 %
Concentration per Run	0.5087 ppm	102.8768 %	104.0267 %	104.9085 %	101.3283 %	102.8483 %	102.7581 %
Concentration per Run	0.5088 ppm	103.2607 %	103.6241 %	103.6783 %	102.0932 %	103.4678 %	101.9419 %
Recovery Percentage	101.756 %						
Concentration RSD	0.0 %	0.3 %	0.2 %	0.7 %	0.5 %	0.3 %	0.4 %

ICP DataTrace 11

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LabBook: WG2146815_11262025T11.imexp

Sample: CCB
Analysis started at: 11/26/2025 3:03:55 PM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0003 ppm	0.0058 ppm	-0.0012 ppm	0.0021 ppm	-0.0001 ppm	0.0000 ppm	0.0006 ppm
Concentration per Run	-0.0004 ppm	0.0063 ppm	-0.0006 ppm	0.0006 ppm	0.0000 ppm	0.0000 ppm	-0.0008 ppm
Concentration per Run	0.0001 ppm	0.0115 ppm	-0.0026 ppm	0.0040 ppm	-0.0003 ppm	0.0000 ppm	-0.0002 ppm
Concentration per Run	-0.0006 ppm	-0.0003 ppm	-0.0003 ppm	0.0018 ppm	-0.0001 ppm	0.0000 ppm	0.0028 ppm
Recovery Percentage	-4.132 %	5.830 %	-23.484 %	7.137 %	-1.467 %	0.723 %	0.585 %
Concentration RSD	110.1 %	101.4 %	104.7 %	82.2 %	91.4 %	46.1 %	330.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0006 ppm	-0.0001 ppm	-0.0003 ppm	0.0003 ppm	-0.0026 ppm	0.0016 ppm
Concentration per Run	0.0001 ppm	0.0009 ppm	0.0003 ppm	-0.0005 ppm	-0.0001 ppm	-0.0136 ppm	0.0019 ppm
Concentration per Run	0.0000 ppm	0.0007 ppm	-0.0003 ppm	0.0000 ppm	0.0005 ppm	-0.0023 ppm	0.0013 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	-0.0003 ppm	-0.0005 ppm	0.0006 ppm	0.0082 ppm	0.0016 ppm
Recovery Percentage	0.714 %	2.946 %	-1.142 %	-3.415 %	0.633 %	-0.103 %	32.375 %
Concentration RSD	122.0 %	61.2 %	305.0 %	93.5 %	121.8 %	424.1 %	18.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0001 ppm	-0.0001 ppm	0.0002 ppm	0.0115 ppm	0.0008 ppm	-0.0005 ppm	-0.0008 ppm
Concentration per Run	-0.0024 ppm	0.0000 ppm	0.0006 ppm	0.0116 ppm	0.0011 ppm	0.0000 ppm	-0.0038 ppm
Concentration per Run	0.0016 ppm	-0.0001 ppm	-0.0002 ppm	0.0152 ppm	0.0013 ppm	-0.0009 ppm	-0.0011 ppm
Concentration per Run	0.0011 ppm	0.0000 ppm	0.0003 ppm	0.0076 ppm	-0.0001 ppm	-0.0006 ppm	0.0025 ppm
Recovery Percentage	0.084 %	-0.700 %	0.407 %	0.574 %	3.079 %	-5.012 %	-1.597 %
Concentration RSD	2,574.9 %	62.6 %	203.9 %	33.3 %	97.7 %	96.1 %	394.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0012 ppm	-0.0012 ppm	0.0007 ppm	-0.0001 ppm	0.0002 ppm	0.0016 ppm	0.0002 ppm
Concentration per Run	0.0011 ppm	0.0002 ppm	-0.0002 ppm	-0.0001 ppm	0.0001 ppm	0.0017 ppm	0.0003 ppm
Concentration per Run	-0.0001 ppm	-0.0011 ppm	0.0015 ppm	-0.0001 ppm	0.0004 ppm	0.0017 ppm	0.0001 ppm
Concentration per Run	0.0027 ppm	-0.0026 ppm	0.0010 ppm	-0.0001 ppm	0.0001 ppm	0.0015 ppm	0.0001 ppm
Recovery Percentage	12.334 %	-0.230 %	1.497 %	-0.910 %	2.063 %	8.031 %	1.560 %
Concentration RSD	116.2 %	120.8 %	121.2 %	5.0 %	86.4 %	6.3 %	52.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0002 ppm	100.3744 %	100.6205 %	102.2463 %	101.1661 %	102.1015 %	101.5677 %
Concentration per Run	-0.0001 ppm	100.2405 %	101.2796 %	102.0701 %	100.7846 %	102.4856 %	101.3872 %
Concentration per Run	-0.0004 ppm	100.4717 %	100.3173 %	102.5576 %	101.7365 %	102.4298 %	102.0034 %
Concentration per Run	-0.0001 ppm	100.4111 %	100.2646 %	102.1113 %	100.9771 %	101.3890 %	101.3125 %
Recovery Percentage	-3.967 %						
Concentration RSD	88.1 %	0.1 %	0.6 %	0.3 %	0.5 %	0.6 %	0.4 %

ICP DataTrace 11

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LabBook: WG2146815_11262025T11.imexp

Sample: L2571778-02 WG2143304
Analysis started at: 11/26/2025 3:14:15 PM
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Rack Number 2
Vial Numbers 13

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0007 ppm	0.0238 ppm	-0.0012 ppm	0.0066 ppm	0.0083 ppm	0.0000 ppm	15.1309 ppm
Concentration per Run	-0.0005 ppm	0.0178 ppm	-0.0004 ppm	0.0071 ppm	0.0083 ppm	0.0000 ppm	15.1862 ppm
Concentration per Run	-0.0010 ppm	0.0244 ppm	-0.0011 ppm	0.0074 ppm	0.0084 ppm	0.0000 ppm	15.1321 ppm
Concentration per Run	-0.0005 ppm	0.0292 ppm	-0.0020 ppm	0.0054 ppm	0.0083 ppm	0.0000 ppm	15.0744 ppm
Concentration RSD	38.6 %	24.1 %	70.0 %	16.7 %	1.0 %	30.4 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0002 ppm	0.0003 ppm	0.0076 ppm	0.5955 ppm	1.3950 ppm	0.0026 ppm
Concentration per Run	0.0001 ppm	0.0002 ppm	-0.0001 ppm	0.0074 ppm	0.6062 ppm	1.3996 ppm	0.0023 ppm
Concentration per Run	0.0001 ppm	0.0005 ppm	0.0007 ppm	0.0080 ppm	0.5891 ppm	1.4041 ppm	0.0020 ppm
Concentration per Run	0.0002 ppm	-0.0002 ppm	0.0002 ppm	0.0075 ppm	0.5911 ppm	1.3813 ppm	0.0036 ppm
Concentration RSD	31.3 %	186.7 %	147.8 %	4.5 %	1.6 %	0.9 %	32.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	2.0590 ppm	0.0115 ppm	0.0003 ppm	7.9662 ppm	0.0014 ppm	0.0001 ppm	0.0004 ppm
Concentration per Run	2.0633 ppm	0.0114 ppm	0.0007 ppm	8.0282 ppm	0.0016 ppm	0.0012 ppm	-0.0003 ppm
Concentration per Run	2.0578 ppm	0.0115 ppm	0.0000 ppm	7.9330 ppm	0.0008 ppm	-0.0008 ppm	0.0018 ppm
Concentration per Run	2.0558 ppm	0.0117 ppm	0.0003 ppm	7.9373 ppm	0.0019 ppm	0.0000 ppm	-0.0002 ppm
Concentration RSD	0.2 %	1.0 %	116.0 %	0.7 %	39.5 %	790.0 %	286.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0027 ppm	3.2979 ppm	-0.0011 ppm	0.0626 ppm	0.0004 ppm	0.0026 ppm	0.0004 ppm
Concentration per Run	0.0028 ppm	3.3008 ppm	-0.0020 ppm	0.0632 ppm	0.0004 ppm	0.0035 ppm	0.0004 ppm
Concentration per Run	0.0010 ppm	3.2985 ppm	-0.0012 ppm	0.0624 ppm	0.0005 ppm	0.0019 ppm	0.0004 ppm
Concentration per Run	0.0043 ppm	3.2944 ppm	-0.0001 ppm	0.0622 ppm	0.0004 ppm	0.0025 ppm	0.0004 ppm
Concentration RSD	62.1 %	0.1 %	85.5 %	0.9 %	6.3 %	30.4 %	7.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1103 ppm	104.1475 %	105.3025 %	105.3584 %	103.2239 %	105.0270 %	103.9846 %
Concentration per Run	0.1100 ppm	103.8026 %	104.8073 %	105.3539 %	103.0148 %	105.3391 %	104.0690 %
Concentration per Run	0.1105 ppm	103.9845 %	105.7845 %	104.9964 %	103.2828 %	105.1893 %	103.7139 %
Concentration per Run	0.1105 ppm	104.6555 %	105.3157 %	105.7249 %	103.3742 %	104.5524 %	104.1708 %
Concentration RSD	0.3 %	0.4 %	0.5 %	0.3 %	0.2 %	0.4 %	0.2 %

ICP DataTrace 11

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LabBook: WG2146815_11262025T11.imexp

Sample: L2572251-01 WG2143304
Analysis started at: 11/26/2025 3:16:36 PM
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Rack Number 2
Vial Numbers 14

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0005 ppm	0.0138 ppm	0.0034 ppm	0.0070 ppm	0.0046 ppm	0.0000 ppm	27.4472 ppm
Concentration per Run	-0.0005 ppm	0.0138 ppm	0.0032 ppm	0.0073 ppm	0.0047 ppm	0.0000 ppm	27.5037 ppm
Concentration per Run	-0.0010 ppm	0.0157 ppm	0.0038 ppm	0.0067 ppm	0.0046 ppm	0.0000 ppm	27.4213 ppm
Concentration per Run	0.0000 ppm	0.0117 ppm	0.0032 ppm	0.0069 ppm	0.0044 ppm	0.0000 ppm	27.4166 ppm
Concentration RSD	96.3 %	14.4 %	10.5 %	4.6 %	2.8 %	55.6 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0002 ppm	0.0000 ppm	0.0003 ppm	3.2567 ppm	3.0809 ppm	0.0090 ppm
Concentration per Run	0.0001 ppm	0.0010 ppm	0.0000 ppm	0.0003 ppm	3.2575 ppm	3.0873 ppm	0.0110 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	-0.0001 ppm	0.0003 ppm	3.2553 ppm	3.0747 ppm	0.0076 ppm
Concentration per Run	0.0001 ppm	-0.0003 ppm	0.0001 ppm	0.0003 ppm	3.2572 ppm	3.0805 ppm	0.0083 ppm
Concentration RSD	50.6 %	302.4 %	775.9 %	9.7 %	0.0 %	0.2 %	20.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	3.3455 ppm	0.2518 ppm	0.0001 ppm	15.1197 ppm	0.0012 ppm	-0.0004 ppm	0.0004 ppm
Concentration per Run	3.3584 ppm	0.2519 ppm	0.0003 ppm	15.1311 ppm	0.0006 ppm	-0.0007 ppm	-0.0001 ppm
Concentration per Run	3.3470 ppm	0.2516 ppm	0.0003 ppm	15.0898 ppm	0.0018 ppm	-0.0006 ppm	-0.0002 ppm
Concentration per Run	3.3310 ppm	0.2520 ppm	-0.0004 ppm	15.1383 ppm	0.0012 ppm	0.0000 ppm	0.0015 ppm
Concentration RSD	0.4 %	0.1 %	434.1 %	0.2 %	47.9 %	84.9 %	249.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0020 ppm	7.4230 ppm	-0.0006 ppm	0.0795 ppm	0.0001 ppm	0.0016 ppm	0.0009 ppm
Concentration per Run	0.0025 ppm	7.4705 ppm	-0.0001 ppm	0.0795 ppm	0.0000 ppm	0.0003 ppm	0.0009 ppm
Concentration per Run	0.0016 ppm	7.4034 ppm	-0.0007 ppm	0.0796 ppm	0.0001 ppm	0.0017 ppm	0.0009 ppm
Concentration per Run	0.0017 ppm	7.3953 ppm	-0.0010 ppm	0.0794 ppm	0.0003 ppm	0.0029 ppm	0.0009 ppm
Concentration RSD	25.3 %	0.6 %	79.2 %	0.1 %	118.7 %	79.3 %	2.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0017 ppm	103.1700 %	105.2217 %	103.8256 %	102.0981 %	104.6982 %	102.9639 %
Concentration per Run	0.0014 ppm	102.0211 %	104.8988 %	103.7799 %	101.3958 %	104.3478 %	102.9817 %
Concentration per Run	0.0019 ppm	103.8682 %	104.9025 %	103.6621 %	102.2572 %	104.2386 %	102.7372 %
Concentration per Run	0.0018 ppm	103.6207 %	105.8639 %	104.0349 %	102.6414 %	105.5082 %	103.1728 %
Concentration RSD	17.6 %	1.0 %	0.5 %	0.2 %	0.6 %	0.7 %	0.2 %

ICP DataTrace 11

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LabBook: WG2146815_11262025T11.imexp

Sample: L2572310-02 WG2143304
Analysis started at: 11/26/2025 3:18:46 PM
Comment <Comment>
Rack Number 2
Vial Numbers 15

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0007 ppm	0.0199 ppm	-0.0007 ppm	0.0061 ppm	0.0079 ppm	0.0000 ppm	4.6563 ppm
Concentration per Run	-0.0002 ppm	0.0135 ppm	0.0002 ppm	0.0070 ppm	0.0079 ppm	0.0001 ppm	4.6377 ppm
Concentration per Run	-0.0006 ppm	0.0237 ppm	0.0001 ppm	0.0035 ppm	0.0081 ppm	0.0000 ppm	4.6772 ppm
Concentration per Run	-0.0012 ppm	0.0225 ppm	-0.0024 ppm	0.0078 ppm	0.0078 ppm	0.0000 ppm	4.6541 ppm
Concentration RSD	69.6 %	27.9 %	205.2 %	37.4 %	2.0 %	205.8 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0003 ppm	-0.0004 ppm	0.0194 ppm	0.1291 ppm	0.9342 ppm	0.0035 ppm
Concentration per Run	0.0002 ppm	0.0000 ppm	-0.0004 ppm	0.0195 ppm	0.1293 ppm	0.9522 ppm	0.0006 ppm
Concentration per Run	0.0000 ppm	0.0005 ppm	-0.0003 ppm	0.0195 ppm	0.1304 ppm	0.9182 ppm	0.0057 ppm
Concentration per Run	0.0000 ppm	0.0003 ppm	-0.0004 ppm	0.0193 ppm	0.1276 ppm	0.9322 ppm	0.0044 ppm
Concentration RSD	180.1 %	105.6 %	20.7 %	0.4 %	1.1 %	1.8 %	74.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.7850 ppm	0.0076 ppm	0.0000 ppm	32.3566 ppm	0.0013 ppm	-0.0003 ppm	-0.0002 ppm
Concentration per Run	0.7858 ppm	0.0078 ppm	0.0003 ppm	32.1807 ppm	0.0015 ppm	-0.0003 ppm	0.0022 ppm
Concentration per Run	0.7841 ppm	0.0073 ppm	-0.0001 ppm	32.5743 ppm	0.0008 ppm	-0.0008 ppm	-0.0022 ppm
Concentration per Run	0.7851 ppm	0.0077 ppm	-0.0002 ppm	32.3147 ppm	0.0016 ppm	0.0001 ppm	-0.0006 ppm
Concentration RSD	0.1 %	3.3 %	719.9 %	0.6 %	31.7 %	124.1 %	1,113.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0022 ppm	1.2956 ppm	-0.0007 ppm	0.0358 ppm	0.0001 ppm	0.0023 ppm	0.0002 ppm
Concentration per Run	0.0043 ppm	1.2819 ppm	-0.0005 ppm	0.0358 ppm	-0.0001 ppm	0.0027 ppm	0.0005 ppm
Concentration per Run	0.0008 ppm	1.2982 ppm	-0.0014 ppm	0.0360 ppm	-0.0001 ppm	0.0011 ppm	0.0001 ppm
Concentration per Run	0.0015 ppm	1.3069 ppm	-0.0002 ppm	0.0357 ppm	0.0004 ppm	0.0030 ppm	0.0001 ppm
Concentration RSD	82.9 %	1.0 %	90.2 %	0.3 %	584.2 %	44.2 %	105.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0018 ppm	102.8964 %	105.3649 %	104.3535 %	101.5553 %	104.3780 %	102.7351 %
Concentration per Run	0.0017 ppm	103.4568 %	105.7870 %	104.1767 %	102.3170 %	104.6223 %	102.5483 %
Concentration per Run	0.0018 ppm	103.2835 %	104.7705 %	104.4701 %	102.2448 %	104.2603 %	102.6335 %
Concentration per Run	0.0018 ppm	101.9489 %	105.5372 %	104.4137 %	100.1040 %	104.2513 %	103.0233 %
Concentration RSD	3.3 %	0.8 %	0.5 %	0.1 %	1.2 %	0.2 %	0.2 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2572704-02 WG2145946
Analysis started at: 11/26/2025 3:20:56 PM
Comment <Comment>
Rack Number 2
Vial Numbers 24

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0007 ppm	0.0501 ppm	0.0113 ppm	0.0990 ppm	0.1137 ppm	0.0000 ppm	83.8366 ppm
Concentration per Run	-0.0011 ppm	0.0464 ppm	0.0118 ppm	0.0980 ppm	0.1146 ppm	0.0001 ppm	84.6053 ppm
Concentration per Run	0.0001 ppm	0.0585 ppm	0.0100 ppm	0.0998 ppm	0.1132 ppm	0.0000 ppm	83.3024 ppm
Concentration per Run	-0.0010 ppm	0.0455 ppm	0.0122 ppm	0.0992 ppm	0.1133 ppm	0.0000 ppm	83.6020 ppm
Concentration RSD	102.2 %	14.5 %	10.6 %	0.9 %	0.7 %	13.3 %	0.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0057 ppm	0.0007 ppm	0.0021 ppm	21.5775 ppm	8.0657 ppm	0.0062 ppm
Concentration per Run	0.0002 ppm	0.0057 ppm	0.0010 ppm	0.0025 ppm	21.7299 ppm	8.1321 ppm	0.0083 ppm
Concentration per Run	0.0002 ppm	0.0058 ppm	0.0002 ppm	0.0021 ppm	21.4756 ppm	8.0146 ppm	0.0054 ppm
Concentration per Run	0.0002 ppm	0.0057 ppm	0.0010 ppm	0.0016 ppm	21.5269 ppm	8.0506 ppm	0.0049 ppm
Concentration RSD	6.8 %	0.9 %	66.6 %	20.0 %	0.6 %	0.7 %	29.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	8.9656 ppm	2.6626 ppm	0.0004 ppm	193.8595 ppm	0.0042 ppm	-0.0004 ppm	-0.0006 ppm
Concentration per Run	8.9813 ppm	2.6839 ppm	0.0004 ppm	195.9148 ppm	0.0043 ppm	-0.0001 ppm	-0.0036 ppm
Concentration per Run	8.9388 ppm	2.6468 ppm	0.0008 ppm	192.3898 ppm	0.0043 ppm	-0.0005 ppm	-0.0004 ppm
Concentration per Run	8.9768 ppm	2.6572 ppm	-0.0001 ppm	193.2738 ppm	0.0040 ppm	-0.0005 ppm	0.0022 ppm
Concentration RSD	0.3 %	0.7 %	121.6 %	0.9 %	4.1 %	60.4 %	492.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0015 ppm	10.2967 ppm	-0.0006 ppm	0.5600 ppm	0.0015 ppm	0.0001 ppm	0.0007 ppm
Concentration per Run	-0.0004 ppm	10.3134 ppm	-0.0009 ppm	0.5624 ppm	0.0015 ppm	0.0001 ppm	0.0009 ppm
Concentration per Run	-0.0015 ppm	10.2805 ppm	0.0002 ppm	0.5585 ppm	0.0016 ppm	0.0004 ppm	0.0007 ppm
Concentration per Run	-0.0027 ppm	10.2962 ppm	-0.0012 ppm	0.5591 ppm	0.0014 ppm	-0.0003 ppm	0.0005 ppm
Concentration RSD	71.9 %	0.2 %	121.5 %	0.4 %	7.1 %	590.8 %	22.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0141 ppm	97.9820 %	104.3795 %	95.5730 %	96.1436 %	103.4828 %	98.0656 %
Concentration per Run	0.0142 ppm	97.7160 %	103.2744 %	96.0883 %	96.3573 %	103.3674 %	98.6426 %
Concentration per Run	0.0139 ppm	98.7982 %	105.3189 %	95.5407 %	96.5843 %	103.7715 %	98.0849 %
Concentration per Run	0.0142 ppm	97.4319 %	104.5454 %	95.0899 %	95.4892 %	103.3096 %	97.4693 %
Concentration RSD	1.0 %	0.7 %	1.0 %	0.5 %	0.6 %	0.2 %	0.6 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2572704-03 WG2145946
Analysis started at: 11/26/2025 3:23:07 PM
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Rack Number 2
Vial Numbers 25

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0006 ppm	0.2133 ppm	-0.0003 ppm	0.0207 ppm	0.0189 ppm	0.0001 ppm	17.2715 ppm
Concentration per Run	-0.0003 ppm	0.2188 ppm	-0.0006 ppm	0.0195 ppm	0.0190 ppm	0.0001 ppm	17.3503 ppm
Concentration per Run	-0.0010 ppm	0.2104 ppm	0.0006 ppm	0.0215 ppm	0.0189 ppm	0.0001 ppm	17.2798 ppm
Concentration per Run	-0.0007 ppm	0.2107 ppm	-0.0010 ppm	0.0210 ppm	0.0187 ppm	0.0000 ppm	17.1845 ppm
Concentration RSD	56.8 %	2.2 %	261.8 %	5.0 %	0.9 %	22.9 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0007 ppm	0.0013 ppm	0.0034 ppm	0.2740 ppm	3.5780 ppm	0.0075 ppm
Concentration per Run	0.0001 ppm	0.0006 ppm	0.0012 ppm	0.0034 ppm	0.2775 ppm	3.6167 ppm	0.0074 ppm
Concentration per Run	0.0001 ppm	0.0008 ppm	0.0017 ppm	0.0035 ppm	0.2722 ppm	3.5433 ppm	0.0088 ppm
Concentration per Run	0.0001 ppm	0.0007 ppm	0.0010 ppm	0.0033 ppm	0.2723 ppm	3.5740 ppm	0.0062 ppm
Concentration RSD	43.2 %	14.3 %	29.5 %	3.6 %	1.1 %	1.0 %	17.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	3.4174 ppm	0.4376 ppm	0.0008 ppm	50.1846 ppm	0.0037 ppm	0.0001 ppm	-0.0008 ppm
Concentration per Run	3.4120 ppm	0.4403 ppm	0.0006 ppm	50.4541 ppm	0.0032 ppm	-0.0003 ppm	-0.0039 ppm
Concentration per Run	3.4205 ppm	0.4370 ppm	0.0010 ppm	50.2892 ppm	0.0034 ppm	-0.0004 ppm	-0.0012 ppm
Concentration per Run	3.4196 ppm	0.4355 ppm	0.0007 ppm	49.8104 ppm	0.0044 ppm	0.0009 ppm	0.0027 ppm
Concentration RSD	0.1 %	0.6 %	24.8 %	0.7 %	17.6 %	939.5 %	402.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0002 ppm	7.2015 ppm	-0.0005 ppm	0.1138 ppm	0.0136 ppm	0.0029 ppm	0.0009 ppm
Concentration per Run	0.0015 ppm	7.2203 ppm	-0.0003 ppm	0.1146 ppm	0.0135 ppm	0.0034 ppm	0.0009 ppm
Concentration per Run	0.0014 ppm	7.1648 ppm	-0.0003 ppm	0.1137 ppm	0.0133 ppm	0.0018 ppm	0.0011 ppm
Concentration per Run	-0.0022 ppm	7.2194 ppm	-0.0009 ppm	0.1132 ppm	0.0139 ppm	0.0034 ppm	0.0007 ppm
Concentration RSD	922.1 %	0.4 %	65.9 %	0.6 %	2.1 %	32.4 %	23.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0031 ppm	101.1700 %	104.0205 %	101.8593 %	99.6062 %	103.3887 %	101.4015 %
Concentration per Run	0.0031 ppm	101.2809 %	103.8888 %	102.2971 %	99.9395 %	104.1567 %	101.8256 %
Concentration per Run	0.0032 ppm	101.1483 %	104.2487 %	101.4949 %	99.5314 %	103.4819 %	101.1419 %
Concentration per Run	0.0030 ppm	101.0809 %	103.9241 %	101.7858 %	99.3477 %	102.5273 %	101.2371 %
Concentration RSD	3.1 %	0.1 %	0.2 %	0.4 %	0.3 %	0.8 %	0.4 %

ICP DataTrace 11

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LabBook: WG2146815_11262025T11.imexp

Sample: L2572704-04 WG2145946
Analysis started at: 11/26/2025 3:25:18 PM
Comment <Comment>
Rack Number 2
Vial Numbers 26

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0006 ppm	0.1532 ppm	**0.0049 ppm**	0.0456 ppm	0.0344 ppm	0.0000 ppm	33.9166 ppm
Concentration per Run	-0.0001 ppm	0.1503 ppm	0.0066 ppm	0.0451 ppm	0.0345 ppm	0.0001 ppm	33.9042 ppm
Concentration per Run	-0.0006 ppm	0.1589 ppm	0.0034 ppm	0.0461 ppm	0.0344 ppm	0.0000 ppm	34.0512 ppm
Concentration per Run	-0.0010 ppm	0.1506 ppm	0.0047 ppm	0.0457 ppm	0.0342 ppm	0.0001 ppm	33.7945 ppm
Concentration RSD	72.7 %	3.2 %	**32.5 %**	1.1 %	0.5 %	49.2 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0031 ppm	0.0008 ppm	0.0007 ppm	12.9266 ppm	5.2371 ppm	0.0055 ppm
Concentration per Run	0.0001 ppm	0.0030 ppm	0.0009 ppm	0.0006 ppm	12.9263 ppm	5.2498 ppm	0.0052 ppm
Concentration per Run	0.0000 ppm	0.0033 ppm	0.0001 ppm	0.0008 ppm	13.0210 ppm	5.2405 ppm	0.0068 ppm
Concentration per Run	0.0002 ppm	0.0028 ppm	0.0013 ppm	0.0007 ppm	12.8325 ppm	5.2208 ppm	0.0046 ppm
Concentration RSD	119.9 %	8.3 %	81.7 %	18.8 %	0.7 %	0.3 %	20.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	3.3704 ppm	1.9445 ppm	0.0016 ppm	35.1523 ppm	0.0030 ppm	0.0003 ppm	-0.0004 ppm
Concentration per Run	3.3783 ppm	1.9408 ppm	0.0014 ppm	35.1061 ppm	0.0028 ppm	-0.0006 ppm	-0.0026 ppm
Concentration per Run	3.3631 ppm	1.9544 ppm	0.0018 ppm	35.4264 ppm	0.0031 ppm	0.0007 ppm	0.0020 ppm
Concentration per Run	3.3698 ppm	1.9384 ppm	0.0016 ppm	34.9242 ppm	0.0032 ppm	0.0007 ppm	-0.0005 ppm
Concentration RSD	0.2 %	0.4 %	11.0 %	0.7 %	6.1 %	261.2 %	611.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0021 ppm	6.7610 ppm	0.0001 ppm	0.2061 ppm	0.0057 ppm	0.0015 ppm	0.0007 ppm
Concentration per Run	-0.0018 ppm	6.7044 ppm	0.0004 ppm	0.2065 ppm	0.0061 ppm	0.0009 ppm	0.0006 ppm
Concentration per Run	0.0051 ppm	6.7953 ppm	0.0001 ppm	0.2071 ppm	0.0053 ppm	0.0020 ppm	0.0007 ppm
Concentration per Run	0.0030 ppm	6.7833 ppm	-0.0001 ppm	0.2048 ppm	0.0059 ppm	0.0015 ppm	0.0008 ppm
Concentration RSD	169.3 %	0.7 %	181.8 %	0.6 %	7.3 %	36.0 %	16.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0102 ppm	102.2089 %	104.8145 %	102.1506 %	100.7220 %	104.1014 %	101.9645 %
Concentration per Run	0.0102 ppm	102.5031 %	105.1814 %	101.7560 %	101.0394 %	104.7920 %	102.0791 %
Concentration per Run	0.0102 ppm	102.1760 %	104.3409 %	102.3434 %	101.0361 %	104.0020 %	101.8283 %
Concentration per Run	0.0101 ppm	101.9475 %	104.9212 %	102.3522 %	100.0905 %	103.5101 %	101.9863 %
Concentration RSD	1.0 %	0.3 %	0.4 %	0.3 %	0.5 %	0.6 %	0.1 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2571758-04 WG2142353
Analysis started at: 11/26/2025 3:27:29 PM
Comment <Comment>
Rack Number 2
Vial Numbers 31

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0006 ppm	0.0013 ppm	0.0374 ppm	0.3645 ppm	0.5818 ppm	0.0000 ppm	207.4626 ppm
Concentration per Run	-0.0006 ppm	0.0028 ppm	0.0378 ppm	0.3659 ppm	0.5842 ppm	0.0000 ppm	206.9814 ppm
Concentration per Run	-0.0005 ppm	-0.0064 ppm	0.0389 ppm	0.3616 ppm	0.5762 ppm	0.0000 ppm	206.4971 ppm
Concentration per Run	-0.0007 ppm	0.0073 ppm	0.0354 ppm	0.3661 ppm	0.5849 ppm	0.0000 ppm	208.9092 ppm
Concentration RSD	17.6 %	555.0 %	4.8 %	0.7 %	0.8 %	21.1 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0015 ppm	0.0001 ppm	0.0007 ppm	13.2592 ppm	3.6606 ppm	0.0281 ppm
Concentration per Run	0.0001 ppm	0.0020 ppm	0.0001 ppm	0.0004 ppm	13.2934 ppm	3.6543 ppm	0.0306 ppm
Concentration per Run	0.0000 ppm	0.0009 ppm	-0.0004 ppm	0.0006 ppm	13.1516 ppm	3.6828 ppm	0.0283 ppm
Concentration per Run	0.0001 ppm	0.0015 ppm	0.0005 ppm	0.0010 ppm	13.3326 ppm	3.6448 ppm	0.0254 ppm
Concentration RSD	70.1 %	38.3 %	547.1 %	44.1 %	0.7 %	0.5 %	9.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	34.9665 ppm	1.4876 ppm	0.0006 ppm	24.1986 ppm	0.0075 ppm	0.0046 ppm	0.0011 ppm
Concentration per Run	34.9591 ppm	1.4886 ppm	0.0008 ppm	24.1654 ppm	0.0075 ppm	0.0036 ppm	0.0013 ppm
Concentration per Run	34.9002 ppm	1.4795 ppm	0.0002 ppm	23.9944 ppm	0.0070 ppm	0.0054 ppm	0.0019 ppm
Concentration per Run	35.0400 ppm	1.4946 ppm	0.0010 ppm	24.4359 ppm	0.0079 ppm	0.0049 ppm	0.0002 ppm
Concentration RSD	0.2 %	0.5 %	67.4 %	0.9 %	6.2 %	19.8 %	73.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0042 ppm	13.7930 ppm	-0.0006 ppm	0.3107 ppm	0.0001 ppm	0.0012 ppm	0.0002 ppm
Concentration per Run	0.0026 ppm	13.8574 ppm	-0.0007 ppm	0.3112 ppm	0.0000 ppm	0.0020 ppm	0.0000 ppm
Concentration per Run	0.0053 ppm	13.7686 ppm	-0.0005 ppm	0.3091 ppm	0.0005 ppm	0.0003 ppm	0.0000 ppm
Concentration per Run	0.0048 ppm	13.7530 ppm	-0.0007 ppm	0.3118 ppm	-0.0003 ppm	0.0013 ppm	0.0006 ppm
Concentration RSD	33.4 %	0.4 %	14.8 %	0.5 %	621.8 %	70.8 %	140.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0007 ppm	100.2495 %	105.5341 %	96.3676 %	98.4777 %	104.9037 %	99.1337 %
Concentration per Run	0.0004 ppm	99.9058 %	106.0713 %	96.7451 %	98.6931 %	105.2490 %	99.1568 %
Concentration per Run	0.0010 ppm	100.8564 %	105.8441 %	96.3935 %	99.0313 %	104.6346 %	99.0870 %
Concentration per Run	0.0007 ppm	99.9863 %	104.6869 %	95.9642 %	97.7087 %	104.8275 %	99.1574 %
Concentration RSD	45.7 %	0.5 %	0.7 %	0.4 %	0.7 %	0.3 %	0.0 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2571998-01 WG2142353
Analysis started at: 11/26/2025 3:29:39 PM
Comment <Comment>
Rack Number 2
Vial Numbers 32

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0005 ppm	0.0235 ppm	0.0002 ppm	0.0224 ppm	0.1482 ppm	0.0000 ppm	20.7425 ppm
Concentration per Run	-0.0003 ppm	0.0272 ppm	0.0003 ppm	0.0226 ppm	0.1493 ppm	0.0000 ppm	20.9177 ppm
Concentration per Run	-0.0006 ppm	0.0157 ppm	-0.0005 ppm	0.0229 ppm	0.1470 ppm	0.0001 ppm	20.6015 ppm
Concentration per Run	-0.0006 ppm	0.0276 ppm	0.0007 ppm	0.0219 ppm	0.1482 ppm	0.0000 ppm	20.7085 ppm
Concentration RSD	31.8 %	28.8 %	353.5 %	2.4 %	0.8 %	61.9 %	0.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0004 ppm	0.0003 ppm	0.0001 ppm	0.0005 ppm	0.0144 ppm	6.9629 ppm	0.0038 ppm
Concentration per Run	0.0003 ppm	0.0007 ppm	0.0001 ppm	0.0005 ppm	0.0143 ppm	7.0544 ppm	0.0058 ppm
Concentration per Run	0.0005 ppm	0.0004 ppm	-0.0001 ppm	0.0005 ppm	0.0146 ppm	6.9063 ppm	0.0040 ppm
Concentration per Run	0.0005 ppm	-0.0002 ppm	0.0002 ppm	0.0005 ppm	0.0143 ppm	6.9280 ppm	0.0015 ppm
Concentration RSD	21.1 %	141.3 %	202.4 %	9.1 %	1.3 %	1.1 %	56.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	3.6867 ppm	0.0602 ppm	0.0000 ppm	209.4737 ppm	0.0010 ppm	0.0005 ppm	-0.0007 ppm
Concentration per Run	3.6966 ppm	0.0610 ppm	-0.0001 ppm	211.1287 ppm	0.0007 ppm	0.0001 ppm	-0.0031 ppm
Concentration per Run	3.6872 ppm	0.0593 ppm	0.0001 ppm	207.4627 ppm	0.0011 ppm	0.0007 ppm	0.0015 ppm
Concentration per Run	3.6763 ppm	0.0603 ppm	0.0000 ppm	209.8298 ppm	0.0011 ppm	0.0009 ppm	-0.0005 ppm
Concentration RSD	0.3 %	1.4 %	3,276.2 %	0.9 %	28.8 %	75.9 %	332.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0016 ppm	5.7408 ppm	-0.0002 ppm	0.1171 ppm	0.0001 ppm	0.0026 ppm	0.0005 ppm
Concentration per Run	0.0042 ppm	5.7350 ppm	0.0001 ppm	0.1180 ppm	-0.0001 ppm	0.0019 ppm	0.0005 ppm
Concentration per Run	-0.0008 ppm	5.7588 ppm	0.0009 ppm	0.1160 ppm	0.0005 ppm	0.0031 ppm	0.0005 ppm
Concentration per Run	0.0015 ppm	5.7285 ppm	-0.0017 ppm	0.1172 ppm	0.0000 ppm	0.0028 ppm	0.0004 ppm
Concentration RSD	154.4 %	0.3 %	582.7 %	0.8 %	240.4 %	24.8 %	7.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0061 ppm	97.8302 %	101.9428 %	96.1225 %	95.9269 %	101.3405 %	98.0617 %
Concentration per Run	0.0061 ppm	97.8742 %	101.3981 %	96.6451 %	95.9347 %	101.3319 %	98.5228 %
Concentration per Run	0.0062 ppm	97.6782 %	102.6117 %	95.6735 %	95.8662 %	101.1226 %	97.5974 %
Concentration per Run	0.0061 ppm	97.9382 %	101.8187 %	96.0489 %	95.9797 %	101.5672 %	98.0648 %
Concentration RSD	0.4 %	0.1 %	0.6 %	0.5 %	0.1 %	0.2 %	0.5 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2571998-02 WG2142353
Analysis started at: 11/26/2025 3:31:50 PM
Comment <Comment>
Rack Number 2
Vial Numbers 33

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0006 ppm	0.0096 ppm	0.0083 ppm	0.5679 ppm	0.0673 ppm	0.0000 ppm	69.5058 ppm
Concentration per Run	-0.0003 ppm	0.0104 ppm	0.0077 ppm	0.5630 ppm	0.0674 ppm	0.0001 ppm	69.5426 ppm
Concentration per Run	-0.0008 ppm	0.0100 ppm	0.0092 ppm	0.5681 ppm	0.0673 ppm	0.0000 ppm	69.6343 ppm
Concentration per Run	-0.0008 ppm	0.0084 ppm	0.0078 ppm	0.5725 ppm	0.0671 ppm	0.0000 ppm	69.3404 ppm
Concentration RSD	43.9 %	10.8 %	10.3 %	0.8 %	0.2 %	73.4 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0015 ppm	-0.0001 ppm	0.0005 ppm	0.8630 ppm	11.3293 ppm	0.0036 ppm
Concentration per Run	0.0000 ppm	0.0015 ppm	-0.0004 ppm	0.0007 ppm	0.8649 ppm	11.3730 ppm	0.0059 ppm
Concentration per Run	0.0001 ppm	0.0017 ppm	-0.0002 ppm	0.0004 ppm	0.8630 ppm	11.3182 ppm	0.0040 ppm
Concentration per Run	-0.0001 ppm	0.0012 ppm	0.0003 ppm	0.0003 ppm	0.8610 ppm	11.2966 ppm	0.0007 ppm
Concentration RSD	553.9 %	18.9 %	323.2 %	35.9 %	0.2 %	0.3 %	73.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	6.6565 ppm	0.7361 ppm	0.0039 ppm	59.6270 ppm	0.0018 ppm	-0.0007 ppm	-0.0005 ppm
Concentration per Run	6.6755 ppm	0.7360 ppm	0.0037 ppm	59.9047 ppm	0.0022 ppm	-0.0011 ppm	-0.0028 ppm
Concentration per Run	6.6278 ppm	0.7376 ppm	0.0037 ppm	59.5625 ppm	0.0018 ppm	-0.0006 ppm	0.0031 ppm
Concentration per Run	6.6662 ppm	0.7347 ppm	0.0042 ppm	59.4138 ppm	0.0014 ppm	-0.0005 ppm	-0.0017 ppm
Concentration RSD	0.4 %	0.2 %	7.6 %	0.4 %	22.0 %	48.2 %	684.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0008 ppm	5.0840 ppm	-0.0006 ppm	0.2283 ppm	0.0001 ppm	0.0016 ppm	0.0005 ppm
Concentration per Run	0.0000 ppm	5.0596 ppm	-0.0022 ppm	0.2299 ppm	-0.0002 ppm	0.0018 ppm	0.0004 ppm
Concentration per Run	-0.0013 ppm	5.0694 ppm	-0.0015 ppm	0.2277 ppm	0.0005 ppm	0.0025 ppm	0.0003 ppm
Concentration per Run	-0.0010 ppm	5.1228 ppm	0.0019 ppm	0.2274 ppm	0.0000 ppm	0.0005 ppm	0.0006 ppm
Concentration RSD	86.8 %	0.7 %	355.1 %	0.6 %	288.6 %	65.2 %	35.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0009 ppm	100.4196 %	104.8081 %	99.1257 %	98.6550 %	103.7900 %	99.4970 %
Concentration per Run	0.0009 ppm	101.6960 %	104.5192 %	99.4889 %	99.8794 %	103.4818 %	99.9750 %
Concentration per Run	0.0009 ppm	99.9161 %	104.6990 %	98.5821 %	98.2065 %	103.7654 %	98.9486 %
Concentration per Run	0.0008 ppm	99.6468 %	105.2063 %	99.3061 %	97.8792 %	104.1229 %	99.5675 %
Concentration RSD	11.4 %	1.1 %	0.3 %	0.5 %	1.1 %	0.3 %	0.5 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2571998-03 WG2142353
Analysis started at: 11/26/2025 3:34:01 PM
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Rack Number 2
Vial Numbers 34

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0004 ppm	0.0103 ppm	0.0389 ppm	0.1084 ppm	0.1393 ppm	0.0000 ppm	69.9335 ppm
Concentration per Run	-0.0007 ppm	0.0080 ppm	0.0387 ppm	0.1100 ppm	0.1386 ppm	0.0001 ppm	69.7453 ppm
Concentration per Run	-0.0003 ppm	0.0170 ppm	0.0377 ppm	0.1065 ppm	0.1405 ppm	0.0000 ppm	70.1645 ppm
Concentration per Run	-0.0003 ppm	0.0059 ppm	0.0402 ppm	0.1088 ppm	0.1389 ppm	0.0000 ppm	69.8908 ppm
Concentration RSD	56.6 %	57.6 %	3.3 %	1.6 %	0.7 %	48.5 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0093 ppm	-0.0002 ppm	0.0009 ppm	23.3563 ppm	9.1013 ppm	0.0078 ppm
Concentration per Run	0.0000 ppm	0.0093 ppm	0.0001 ppm	0.0010 ppm	23.2922 ppm	9.0369 ppm	0.0090 ppm
Concentration per Run	0.0001 ppm	0.0092 ppm	-0.0005 ppm	0.0009 ppm	23.4331 ppm	9.1635 ppm	0.0061 ppm
Concentration per Run	0.0001 ppm	0.0094 ppm	-0.0003 ppm	0.0009 ppm	23.3437 ppm	9.1035 ppm	0.0083 ppm
Concentration RSD	48.0 %	1.2 %	114.9 %	8.3 %	0.3 %	0.7 %	19.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	21.4371 ppm	1.9150 ppm	0.0039 ppm	119.6462 ppm	0.0029 ppm	-0.0011 ppm	-0.0001 ppm
Concentration per Run	21.5569 ppm	1.9144 ppm	0.0043 ppm	119.3642 ppm	0.0032 ppm	-0.0012 ppm	0.0002 ppm
Concentration per Run	21.3684 ppm	1.9140 ppm	0.0035 ppm	120.3182 ppm	0.0023 ppm	-0.0004 ppm	-0.0011 ppm
Concentration per Run	21.3859 ppm	1.9167 ppm	0.0040 ppm	119.2561 ppm	0.0031 ppm	-0.0016 ppm	0.0006 ppm
Concentration RSD	0.5 %	0.1 %	10.7 %	0.5 %	18.3 %	58.0 %	877.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0022 ppm	16.9759 ppm	-0.0013 ppm	0.3918 ppm	-0.0002 ppm	0.0009 ppm	0.0002 ppm
Concentration per Run	0.0008 ppm	17.0888 ppm	-0.0014 ppm	0.3907 ppm	-0.0002 ppm	0.0016 ppm	0.0002 ppm
Concentration per Run	0.0007 ppm	16.9095 ppm	-0.0001 ppm	0.3934 ppm	-0.0001 ppm	0.0008 ppm	0.0005 ppm
Concentration per Run	0.0050 ppm	16.9294 ppm	-0.0023 ppm	0.3914 ppm	-0.0002 ppm	0.0002 ppm	-0.0001 ppm
Concentration RSD	113.3 %	0.6 %	88.3 %	0.4 %	17.7 %	82.5 %	174.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0009 ppm	98.7621 %	103.3491 %	96.7177 %	96.9168 %	102.8237 %	98.6323 %
Concentration per Run	0.0007 ppm	98.1632 %	103.4116 %	97.1109 %	97.0168 %	102.5759 %	98.8746 %
Concentration per Run	0.0012 ppm	98.3831 %	102.4342 %	96.5267 %	96.2167 %	102.3724 %	98.5502 %
Concentration per Run	0.0007 ppm	99.7400 %	104.2015 %	96.5157 %	97.5168 %	103.5228 %	98.4721 %
Concentration RSD	31.1 %	0.9 %	0.9 %	0.4 %	0.7 %	0.6 %	0.2 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: CCV
Analysis started at: 11/26/2025 3:36:11 PM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4971 ppm	0.4869 ppm	0.4652 ppm	0.4954 ppm	0.4969 ppm	0.5016 ppm	0.4933 ppm
Concentration per Run	0.4965 ppm	0.4833 ppm	0.4630 ppm	0.4938 ppm	0.4949 ppm	0.5000 ppm	0.4927 ppm
Concentration per Run	0.4986 ppm	0.4866 ppm	0.4653 ppm	0.4974 ppm	0.4960 ppm	0.5007 ppm	0.4939 ppm
Concentration per Run	0.4961 ppm	0.4908 ppm	0.4672 ppm	0.4951 ppm	0.4997 ppm	0.5041 ppm	0.4932 ppm
Recovery Percentage	99.410 %	97.376 %	93.034 %	99.088 %	99.374 %	100.318 %	98.651 %
Concentration RSD	0.3 %	0.8 %	0.5 %	0.4 %	0.5 %	0.4 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5089 ppm	0.5140 ppm	0.5075 ppm	0.5122 ppm	0.4991 ppm	5.2099 ppm	0.5092 ppm
Concentration per Run	0.5083 ppm	0.5138 ppm	0.5079 ppm	0.5116 ppm	0.4996 ppm	5.1967 ppm	0.4933 ppm
Concentration per Run	0.5098 ppm	0.5144 ppm	0.5074 ppm	0.5129 ppm	0.4979 ppm	5.1694 ppm	0.5055 ppm
Concentration per Run	0.5085 ppm	0.5139 ppm	0.5074 ppm	0.5123 ppm	0.4998 ppm	5.2638 ppm	0.5290 ppm
Recovery Percentage	101.773 %	102.804 %	101.507 %	102.450 %	99.820 %	104.199 %	101.849 %
Concentration RSD	0.2 %	0.1 %	0.1 %	0.1 %	0.2 %	0.9 %	3.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4976 ppm	0.5058 ppm	0.4927 ppm	10.1885 ppm	0.5140 ppm	0.4960 ppm	0.5143 ppm
Concentration per Run	0.4990 ppm	0.5050 ppm	0.4907 ppm	10.1406 ppm	0.5123 ppm	0.4953 ppm	0.5201 ppm
Concentration per Run	0.4979 ppm	0.5039 ppm	0.4958 ppm	10.1110 ppm	0.5159 ppm	0.4946 ppm	0.5082 ppm
Concentration per Run	0.4960 ppm	0.5085 ppm	0.4917 ppm	10.3138 ppm	0.5137 ppm	0.4980 ppm	0.5147 ppm
Recovery Percentage	99.526 %	101.157 %	98.546 %	101.885 %	102.798 %	99.192 %	102.864 %
Concentration RSD	0.3 %	0.5 %	0.5 %	1.1 %	0.4 %	0.4 %	1.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4801 ppm	5.3510 ppm	0.4971 ppm	0.4867 ppm	0.4950 ppm	0.5038 ppm	0.5098 ppm
Concentration per Run	0.4773 ppm	5.3433 ppm	0.4971 ppm	0.4856 ppm	0.4946 ppm	0.5038 ppm	0.5094 ppm
Concentration per Run	0.4813 ppm	5.3604 ppm	0.4971 ppm	0.4847 ppm	0.4949 ppm	0.5017 ppm	0.5104 ppm
Concentration per Run	0.4816 ppm	5.3494 ppm	0.4972 ppm	0.4900 ppm	0.4956 ppm	0.5058 ppm	0.5095 ppm
Recovery Percentage	96.011 %	101.924 %	99.425 %	97.345 %	99.005 %	100.757 %	101.957 %
Concentration RSD	0.5 %	0.2 %	0.0 %	0.6 %	0.1 %	0.4 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5096 ppm	102.8978 %	104.0085 %	103.8413 %	101.1760 %	103.0237 %	101.9353 %
Concentration per Run	0.5103 ppm	102.6359 %	103.8402 %	103.7661 %	100.8390 %	102.4385 %	101.8369 %
Concentration per Run	0.5102 ppm	102.9783 %	104.4295 %	104.0117 %	101.5685 %	103.3147 %	102.0106 %
Concentration per Run	0.5081 ppm	103.0794 %	103.7560 %	103.7460 %	101.1204 %	103.3179 %	101.9583 %
Recovery Percentage	101.911 %						
Concentration RSD	0.2 %	0.2 %	0.4 %	0.1 %	0.4 %	0.5 %	0.1 %

ICP DataTrace 11

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LabBook: WG2146815_11262025T11.imexp

Sample: CCB
Analysis started at: 11/26/2025 3:38:22 PM
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Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0007 ppm	0.0049 ppm	-0.0004 ppm	0.0004 ppm	-0.0001 ppm	0.0000 ppm	-0.0014 ppm
Concentration per Run	-0.0010 ppm	0.0008 ppm	-0.0001 ppm	0.0014 ppm	-0.0002 ppm	0.0001 ppm	-0.0018 ppm
Concentration per Run	-0.0003 ppm	0.0055 ppm	-0.0025 ppm	0.0008 ppm	0.0000 ppm	0.0000 ppm	-0.0047 ppm
Concentration per Run	-0.0008 ppm	0.0086 ppm	0.0012 ppm	-0.0010 ppm	-0.0002 ppm	0.0000 ppm	0.0023 ppm
Recovery Percentage	-10.255 %	4.940 %	-8.856 %	1.302 %	-1.342 %	0.414 %	-1.381 %
Concentration RSD	48.7 %	79.7 %	424.2 %	311.4 %	68.8 %	326.4 %	255.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0017 ppm	-0.0127 ppm	0.0008 ppm
Concentration per Run	0.0000 ppm	0.0003 ppm	0.0000 ppm	0.0004 ppm	0.0009 ppm	-0.0279 ppm	0.0002 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	-0.0002 ppm	0.0001 ppm	0.0022 ppm	-0.0042 ppm	0.0013 ppm
Concentration per Run	0.0000 ppm	-0.0005 ppm	0.0004 ppm	0.0005 ppm	0.0021 ppm	-0.0059 ppm	0.0009 ppm
Recovery Percentage	-0.167 %	-0.094 %	0.518 %	3.266 %	3.480 %	-0.508 %	15.628 %
Concentration RSD	213.9 %	2,414.3 %	653.7 %	55.9 %	40.0 %	104.3 %	70.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0004 ppm	-0.0004 ppm	0.0000 ppm	0.0323 ppm	0.0004 ppm	0.0000 ppm	-0.0019 ppm
Concentration per Run	0.0005 ppm	-0.0003 ppm	0.0002 ppm	0.0308 ppm	0.0001 ppm	-0.0006 ppm	-0.0048 ppm
Concentration per Run	-0.0009 ppm	-0.0004 ppm	0.0001 ppm	0.0324 ppm	0.0004 ppm	-0.0001 ppm	-0.0019 ppm
Concentration per Run	0.0015 ppm	-0.0003 ppm	-0.0001 ppm	0.0337 ppm	0.0007 ppm	0.0006 ppm	0.0012 ppm
Recovery Percentage	0.352 %	-3.549 %	0.055 %	1.615 %	1.578 %	-0.483 %	-3.721 %
Concentration RSD	334.0 %	22.6 %	557.2 %	4.4 %	83.5 %	1,204.1 %	160.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0023 ppm	-0.0005 ppm	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0019 ppm	0.0001 ppm
Concentration per Run	0.0015 ppm	-0.0018 ppm	-0.0005 ppm	-0.0001 ppm	0.0004 ppm	0.0016 ppm	-0.0001 ppm
Concentration per Run	0.0008 ppm	-0.0002 ppm	-0.0012 ppm	-0.0001 ppm	-0.0002 ppm	0.0017 ppm	0.0004 ppm
Concentration per Run	0.0048 ppm	0.0006 ppm	0.0017 ppm	0.0000 ppm	0.0000 ppm	0.0025 ppm	0.0001 ppm
Recovery Percentage	23.378 %	-0.092 %	0.069 %	-0.626 %	0.911 %	9.745 %	1.272 %
Concentration RSD	91.4 %	263.4 %	4,351.1 %	52.4 %	313.6 %	24.4 %	171.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0001 ppm	101.1084 %	100.6317 %	102.5110 %	101.7477 %	102.5238 %	101.7743 %
Concentration per Run	-0.0001 ppm	101.9278 %	99.6504 %	102.2885 %	102.3012 %	101.8545 %	101.6534 %
Concentration per Run	0.0002 ppm	100.7640 %	100.7053 %	102.1813 %	101.2696 %	102.3405 %	101.3540 %
Concentration per Run	0.0000 ppm	100.6333 %	101.5395 %	103.0631 %	101.6721 %	103.3764 %	102.3156 %
Recovery Percentage	1.032 %						
Concentration RSD	265.9 %	0.7 %	0.9 %	0.5 %	0.5 %	0.8 %	0.5 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2571758-02 WG2142353
Analysis started at: 11/26/2025 3:47:05 PM
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Rack Number 2
Vial Numbers 29

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0010 ppm	0.0008 ppm	0.0205 ppm	0.1468 ppm	0.3028 ppm	0.0000 ppm	171.1708 ppm
Concentration per Run	-0.0006 ppm	0.0032 ppm	0.0183 ppm	0.1458 ppm	0.3036 ppm	0.0000 ppm	170.7602 ppm
Concentration per Run	-0.0011 ppm	0.0044 ppm	0.0207 ppm	0.1458 ppm	0.3034 ppm	0.0000 ppm	172.2742 ppm
Concentration per Run	-0.0012 ppm	-0.0052 ppm	0.0224 ppm	0.1487 ppm	0.3013 ppm	0.0000 ppm	170.4781 ppm
Concentration RSD	32.1 %	657.2 %	10.3 %	1.2 %	0.4 %	60.6 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0067 ppm	0.0000 ppm	0.0009 ppm	3.1170 ppm	67.9600 ppm	0.0844 ppm
Concentration per Run	0.0002 ppm	0.0063 ppm	0.0000 ppm	0.0010 ppm	3.1097 ppm	67.6874 ppm	0.0844 ppm
Concentration per Run	0.0000 ppm	0.0069 ppm	0.0001 ppm	0.0009 ppm	3.1408 ppm	68.5150 ppm	0.0848 ppm
Concentration per Run	0.0000 ppm	0.0068 ppm	-0.0001 ppm	0.0008 ppm	3.1005 ppm	67.6776 ppm	0.0840 ppm
Concentration RSD	116.8 %	4.5 %	687.7 %	12.5 %	0.7 %	0.7 %	0.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	39.3100 ppm	2.4527 ppm	0.0007 ppm	51.7675 ppm	0.0120 ppm	0.0118 ppm	-0.0004 ppm
Concentration per Run	39.2383 ppm	2.4439 ppm	0.0008 ppm	51.6470 ppm	0.0120 ppm	0.0122 ppm	-0.0002 ppm
Concentration per Run	39.2144 ppm	2.4672 ppm	0.0006 ppm	52.1883 ppm	0.0121 ppm	0.0105 ppm	0.0011 ppm
Concentration per Run	39.4775 ppm	2.4470 ppm	0.0005 ppm	51.4674 ppm	0.0119 ppm	0.0129 ppm	-0.0023 ppm
Concentration RSD	0.4 %	0.5 %	22.4 %	0.7 %	0.9 %	10.5 %	387.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0075 ppm	12.8212 ppm	-0.0009 ppm	0.4005 ppm	0.0002 ppm	0.0008 ppm	0.0002 ppm
Concentration per Run	0.0054 ppm	12.7543 ppm	-0.0005 ppm	0.4002 ppm	0.0004 ppm	0.0015 ppm	0.0002 ppm
Concentration per Run	0.0085 ppm	12.8086 ppm	-0.0010 ppm	0.4031 ppm	0.0002 ppm	0.0005 ppm	0.0003 ppm
Concentration per Run	0.0085 ppm	12.9007 ppm	-0.0012 ppm	0.3982 ppm	0.0001 ppm	0.0004 ppm	0.0002 ppm
Concentration RSD	24.4 %	0.6 %	37.2 %	0.6 %	64.2 %	75.8 %	12.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0022 ppm	98.8242 %	106.1036 %	94.9894 %	96.7556 %	104.2635 %	97.4474 %
Concentration per Run	0.0022 ppm	99.3990 %	106.3020 %	95.3909 %	97.3415 %	104.4350 %	97.6978 %
Concentration per Run	0.0024 ppm	99.1334 %	105.2846 %	94.6976 %	96.9547 %	104.3026 %	97.5512 %
Concentration per Run	0.0020 ppm	97.9404 %	106.7242 %	94.8798 %	95.9706 %	104.0530 %	97.0931 %
Concentration RSD	10.1 %	0.8 %	0.7 %	0.4 %	0.7 %	0.2 %	0.3 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2571758-03 WG2142353
Analysis started at: 11/26/2025 3:49:26 PM
Comment <Comment>
Rack Number 2
Vial Numbers 30

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0005 ppm	0.0060 ppm	0.0168 ppm	0.2148 ppm	0.2814 ppm	0.0000 ppm	160.4377 ppm
Concentration per Run	-0.0007 ppm	-0.0030 ppm	0.0159 ppm	0.2140 ppm	0.2812 ppm	0.0000 ppm	159.5503 ppm
Concentration per Run	-0.0005 ppm	0.0088 ppm	0.0171 ppm	0.2157 ppm	0.2799 ppm	0.0000 ppm	160.8779 ppm
Concentration per Run	-0.0002 ppm	0.0120 ppm	0.0174 ppm	0.2148 ppm	0.2832 ppm	0.0000 ppm	160.8850 ppm
Concentration RSD	51.4 %	132.3 %	4.7 %	0.4 %	0.6 %	38.4 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0075 ppm	-0.0001 ppm	0.0010 ppm	23.3655 ppm	3.5720 ppm	0.0256 ppm
Concentration per Run	0.0003 ppm	0.0075 ppm	0.0001 ppm	0.0011 ppm	23.3547 ppm	3.5827 ppm	0.0269 ppm
Concentration per Run	0.0001 ppm	0.0077 ppm	-0.0004 ppm	0.0011 ppm	23.3531 ppm	3.5585 ppm	0.0239 ppm
Concentration per Run	0.0001 ppm	0.0074 ppm	0.0000 ppm	0.0008 ppm	23.3887 ppm	3.5747 ppm	0.0259 ppm
Concentration RSD	42.4 %	1.7 %	222.9 %	21.7 %	0.1 %	0.3 %	6.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	44.6555 ppm	1.6687 ppm	0.0002 ppm	16.8051 ppm	0.0648 ppm	0.0057 ppm	0.0033 ppm
Concentration per Run	44.5906 ppm	1.6617 ppm	0.0000 ppm	16.6969 ppm	0.0647 ppm	0.0067 ppm	0.0045 ppm
Concentration per Run	44.8897 ppm	1.6683 ppm	0.0005 ppm	16.7603 ppm	0.0647 ppm	0.0047 ppm	0.0014 ppm
Concentration per Run	44.4863 ppm	1.6761 ppm	0.0001 ppm	16.9581 ppm	0.0651 ppm	0.0058 ppm	0.0040 ppm
Concentration RSD	0.5 %	0.4 %	135.0 %	0.8 %	0.4 %	16.8 %	49.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0036 ppm	13.6394 ppm	-0.0011 ppm	0.3647 ppm	0.0002 ppm	0.0005 ppm	0.0177 ppm
Concentration per Run	0.0023 ppm	13.6421 ppm	-0.0021 ppm	0.3639 ppm	0.0003 ppm	0.0015 ppm	0.0175 ppm
Concentration per Run	0.0061 ppm	13.6962 ppm	-0.0021 ppm	0.3634 ppm	-0.0001 ppm	0.0006 ppm	0.0177 ppm
Concentration per Run	0.0023 ppm	13.5799 ppm	0.0009 ppm	0.3668 ppm	0.0003 ppm	-0.0006 ppm	0.0177 ppm
Concentration RSD	61.4 %	0.4 %	160.3 %	0.5 %	126.0 %	214.2 %	0.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0027 ppm	101.0431 %	106.4000 %	97.2446 %	99.3434 %	104.9719 %	100.2717 %
Concentration per Run	0.0029 ppm	100.8215 %	106.4098 %	97.4026 %	99.2226 %	104.4239 %	100.1503 %
Concentration per Run	0.0027 ppm	100.8664 %	105.7253 %	97.1763 %	99.3835 %	104.4103 %	100.6440 %
Concentration per Run	0.0026 ppm	101.4413 %	107.0650 %	97.1548 %	99.4240 %	106.0814 %	100.0209 %
Concentration RSD	4.4 %	0.3 %	0.6 %	0.1 %	0.1 %	0.9 %	0.3 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2572235-24 WG2144562
Analysis started at: 11/26/2025 3:51:37 PM
Comment <Comment>
Rack Number 2
Vial Numbers 35

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	8.3848 ppm	0.1348 ppm	0.0342 ppm	0.0607 ppm	0.0003 ppm	14.4492 ppm
Concentration per Run	-0.0008 ppm	8.4013 ppm	0.1343 ppm	0.0339 ppm	0.0609 ppm	0.0003 ppm	14.4445 ppm
Concentration per Run	0.0001 ppm	8.3815 ppm	0.1362 ppm	0.0345 ppm	0.0606 ppm	0.0003 ppm	14.4688 ppm
Concentration per Run	0.0000 ppm	8.3717 ppm	0.1340 ppm	0.0343 ppm	0.0607 ppm	0.0003 ppm	14.4344 ppm
Concentration RSD	216.4 %	0.2 %	0.9 %	0.9 %	0.3 %	5.6 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0016 ppm	0.0092 ppm	0.0208 ppm	9.8567 ppm	0.2860 ppm	0.0030 ppm
Concentration per Run	0.0003 ppm	0.0014 ppm	0.0087 ppm	0.0210 ppm	9.8596 ppm	0.2865 ppm	0.0023 ppm
Concentration per Run	0.0001 ppm	0.0018 ppm	0.0091 ppm	0.0208 ppm	9.8266 ppm	0.2747 ppm	0.0036 ppm
Concentration per Run	0.0002 ppm	0.0015 ppm	0.0098 ppm	0.0205 ppm	9.8840 ppm	0.2967 ppm	0.0031 ppm
Concentration RSD	28.9 %	15.2 %	5.6 %	1.3 %	0.3 %	3.9 %	23.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5052 ppm	0.0396 ppm	0.0012 ppm	4.2864 ppm	0.0043 ppm	0.0200 ppm	0.0045 ppm
Concentration per Run	0.5049 ppm	0.0394 ppm	0.0016 ppm	4.2829 ppm	0.0046 ppm	0.0204 ppm	0.0004 ppm
Concentration per Run	0.5066 ppm	0.0395 ppm	0.0010 ppm	4.2762 ppm	0.0043 ppm	0.0200 ppm	0.0088 ppm
Concentration per Run	0.5042 ppm	0.0400 ppm	0.0012 ppm	4.3000 ppm	0.0042 ppm	0.0197 ppm	0.0042 ppm
Concentration RSD	0.2 %	0.8 %	26.2 %	0.3 %	4.4 %	1.7 %	92.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0034 ppm	10.8779 ppm	-0.0004 ppm	0.0522 ppm	0.1982 ppm	0.0000 ppm	0.0258 ppm
Concentration per Run	0.0068 ppm	10.8405 ppm	-0.0004 ppm	0.0523 ppm	0.1979 ppm	-0.0008 ppm	0.0257 ppm
Concentration per Run	0.0000 ppm	10.8603 ppm	-0.0004 ppm	0.0520 ppm	0.1985 ppm	0.0002 ppm	0.0259 ppm
Concentration per Run	0.0034 ppm	10.9329 ppm	-0.0004 ppm	0.0523 ppm	0.1981 ppm	0.0005 ppm	0.0258 ppm
Concentration RSD	99.5 %	0.4 %	10.7 %	0.3 %	0.2 %	1,935.2 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0662 ppm	103.4880 %	104.9439 %	101.2251 %	101.1204 %	104.1008 %	102.0516 %
Concentration per Run	0.0653 ppm	103.4013 %	104.6646 %	101.4868 %	100.7839 %	103.8713 %	102.0966 %
Concentration per Run	0.0668 ppm	103.4316 %	104.9215 %	100.5804 %	101.1787 %	104.1468 %	101.5489 %
Concentration per Run	0.0665 ppm	103.6310 %	105.2456 %	101.6082 %	101.3987 %	104.2841 %	102.5094 %
Concentration RSD	1.2 %	0.1 %	0.3 %	0.6 %	0.3 %	0.2 %	0.5 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2144562-3 WG2144562
Analysis started at: 11/26/2025 3:53:48 PM
Comment <Comment>
Rack Number 2
Vial Numbers 36

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0439 ppm	12.9540 ppm	0.2509 ppm	0.9966 ppm	1.8875 ppm	0.0464 ppm	24.5450 ppm
Concentration per Run	0.0438 ppm	12.8735 ppm	0.2513 ppm	1.0020 ppm	1.8681 ppm	0.0461 ppm	24.4434 ppm
Concentration per Run	0.0442 ppm	13.0473 ppm	0.2494 ppm	0.9911 ppm	1.9069 ppm	0.0468 ppm	24.6841 ppm
Concentration per Run	0.0437 ppm	12.9413 ppm	0.2521 ppm	0.9968 ppm	1.8875 ppm	0.0463 ppm	24.5075 ppm
Concentration RSD	0.6 %	0.7 %	0.6 %	0.5 %	1.0 %	0.7 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0508 ppm	0.4505 ppm	0.1927 ppm	0.2497 ppm	10.7414 ppm	10.7076 ppm	0.0052 ppm
Concentration per Run	0.0509 ppm	0.4506 ppm	0.1917 ppm	0.2502 ppm	10.6263 ppm	10.6011 ppm	0.0056 ppm
Concentration per Run	0.0508 ppm	0.4506 ppm	0.1925 ppm	0.2500 ppm	10.8551 ppm	10.8049 ppm	0.0037 ppm
Concentration per Run	0.0507 ppm	0.4504 ppm	0.1938 ppm	0.2490 ppm	10.7430 ppm	10.7167 ppm	0.0063 ppm
Concentration RSD	0.2 %	0.0 %	0.6 %	0.3 %	1.1 %	1.0 %	26.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	10.2738 ppm	0.4972 ppm	0.9892 ppm	14.5286 ppm	0.4584 ppm	0.5619 ppm	0.4601 ppm
Concentration per Run	10.2278 ppm	0.4936 ppm	0.9851 ppm	14.3389 ppm	0.4579 ppm	0.5618 ppm	0.4649 ppm
Concentration per Run	10.3255 ppm	0.5005 ppm	0.9915 ppm	14.6866 ppm	0.4600 ppm	0.5620 ppm	0.4578 ppm
Concentration per Run	10.2682 ppm	0.4974 ppm	0.9910 ppm	14.5602 ppm	0.4574 ppm	0.5619 ppm	0.4577 ppm
Concentration RSD	0.5 %	0.7 %	0.4 %	1.2 %	0.3 %	0.0 %	0.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1126 ppm	15.2362 ppm	0.9849 ppm	1.0093 ppm	1.1695 ppm	0.1200 ppm	0.4939 ppm
Concentration per Run	0.1115 ppm	15.2203 ppm	0.9842 ppm	0.9989 ppm	1.1614 ppm	0.1195 ppm	0.4927 ppm
Concentration per Run	0.1131 ppm	15.2762 ppm	0.9863 ppm	1.0191 ppm	1.1712 ppm	0.1201 ppm	0.4955 ppm
Concentration per Run	0.1132 ppm	15.2122 ppm	0.9843 ppm	1.0100 ppm	1.1759 ppm	0.1202 ppm	0.4934 ppm
Concentration RSD	0.8 %	0.2 %	0.1 %	1.0 %	0.6 %	0.3 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5241 ppm	101.6465 %	103.9529 %	98.2877 %	99.3906 %	103.1005 %	100.2350 %
Concentration per Run	0.5263 ppm	101.4329 %	104.8892 %	98.0146 %	98.6906 %	103.1741 %	100.1899 %
Concentration per Run	0.5238 ppm	101.9578 %	103.1374 %	98.3328 %	99.7445 %	103.0978 %	100.1436 %
Concentration per Run	0.5222 ppm	101.5488 %	103.8321 %	98.5157 %	99.7368 %	103.0294 %	100.3714 %
Concentration RSD	0.4 %	0.3 %	0.8 %	0.3 %	0.6 %	0.1 %	0.1 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2144562-4 WG2144562
Analysis started at: 11/26/2025 3:55:58 PM
Comment <Comment>
Rack Number 2
Vial Numbers 37

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0006 ppm	8.0323 ppm	0.1353 ppm	0.0357 ppm	0.0609 ppm	0.0003 ppm	14.5691 ppm
Concentration per Run	-0.0010 ppm	8.0887 ppm	0.1362 ppm	0.0361 ppm	0.0616 ppm	0.0003 ppm	14.6518 ppm
Concentration per Run	-0.0004 ppm	8.0409 ppm	0.1350 ppm	0.0358 ppm	0.0608 ppm	0.0003 ppm	14.5795 ppm
Concentration per Run	-0.0006 ppm	7.9671 ppm	0.1347 ppm	0.0353 ppm	0.0604 ppm	0.0003 ppm	14.4759 ppm
Concentration RSD	44.8 %	0.8 %	0.6 %	1.3 %	1.0 %	5.7 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0003 ppm	0.0016 ppm	0.0093 ppm	0.0205 ppm	9.6761 ppm	0.2683 ppm	0.0028 ppm
Concentration per Run	0.0003 ppm	0.0016 ppm	0.0091 ppm	0.0203 ppm	9.7561 ppm	0.3034 ppm	0.0030 ppm
Concentration per Run	0.0003 ppm	0.0015 ppm	0.0097 ppm	0.0208 ppm	9.6659 ppm	0.2460 ppm	0.0031 ppm
Concentration per Run	0.0002 ppm	0.0017 ppm	0.0091 ppm	0.0205 ppm	9.6062 ppm	0.2555 ppm	0.0024 ppm
Concentration RSD	30.4 %	7.2 %	3.8 %	1.3 %	0.8 %	11.5 %	13.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4998 ppm	0.0392 ppm	0.0017 ppm	4.3264 ppm	0.0034 ppm	0.0215 ppm	0.0040 ppm
Concentration per Run	0.4993 ppm	0.0398 ppm	0.0017 ppm	4.3640 ppm	0.0036 ppm	0.0200 ppm	0.0046 ppm
Concentration per Run	0.5009 ppm	0.0390 ppm	0.0021 ppm	4.3281 ppm	0.0035 ppm	0.0222 ppm	0.0035 ppm
Concentration per Run	0.4993 ppm	0.0389 ppm	0.0013 ppm	4.2871 ppm	0.0032 ppm	0.0224 ppm	0.0039 ppm
Concentration RSD	0.2 %	1.3 %	22.0 %	0.9 %	5.1 %	6.3 %	13.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0030 ppm	10.5817 ppm	0.0004 ppm	0.0526 ppm	0.1966 ppm	0.0015 ppm	0.0261 ppm
Concentration per Run	0.0056 ppm	10.5524 ppm	-0.0009 ppm	0.0530 ppm	0.1962 ppm	0.0000 ppm	0.0263 ppm
Concentration per Run	0.0037 ppm	10.5568 ppm	0.0012 ppm	0.0526 ppm	0.1967 ppm	0.0025 ppm	0.0259 ppm
Concentration per Run	-0.0004 ppm	10.6360 ppm	0.0010 ppm	0.0521 ppm	0.1970 ppm	0.0020 ppm	0.0262 ppm
Concentration RSD	103.3 %	0.4 %	259.9 %	0.8 %	0.2 %	89.0 %	0.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0661 ppm	103.2742 %	104.3903 %	101.3219 %	101.4017 %	103.8176 %	102.4551 %
Concentration per Run	0.0657 ppm	103.0182 %	103.5070 %	101.0318 %	101.0048 %	103.6490 %	102.1932 %
Concentration per Run	0.0665 ppm	103.5415 %	104.7469 %	101.3426 %	101.6410 %	104.1680 %	102.5008 %
Concentration per Run	0.0660 ppm	103.2628 %	104.9170 %	101.5913 %	101.5592 %	103.6359 %	102.6714 %
Concentration RSD	0.6 %	0.3 %	0.7 %	0.3 %	0.3 %	0.3 %	0.2 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2144562-5 WG2144562
Analysis started at: 11/26/2025 3:58:08 PM
Comment <Comment>
Rack Number 2
Vial Numbers 38

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0426 ppm	21.2309 ppm	0.2510 ppm	0.9892 ppm	1.8573 ppm	0.0454 ppm	23.7486 ppm
Concentration per Run	0.0425 ppm	21.2398 ppm	0.2496 ppm	0.9837 ppm	1.8707 ppm	0.0455 ppm	23.8232 ppm
Concentration per Run	0.0424 ppm	21.2586 ppm	0.2504 ppm	0.9969 ppm	1.8624 ppm	0.0456 ppm	23.7537 ppm
Concentration per Run	0.0429 ppm	21.1943 ppm	0.2528 ppm	0.9868 ppm	1.8388 ppm	0.0451 ppm	23.6690 ppm
Concentration RSD	0.7 %	0.2 %	0.7 %	0.7 %	0.9 %	0.6 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0498 ppm	0.4419 ppm	0.1960 ppm	0.2457 ppm	13.0698 ppm	11.1035 ppm	0.0107 ppm
Concentration per Run	0.0494 ppm	0.4384 ppm	0.1936 ppm	0.2439 ppm	13.0805 ppm	11.1476 ppm	0.0121 ppm
Concentration per Run	0.0500 ppm	0.4434 ppm	0.1961 ppm	0.2462 ppm	13.1060 ppm	11.1349 ppm	0.0111 ppm
Concentration per Run	0.0499 ppm	0.4438 ppm	0.1983 ppm	0.2469 ppm	13.0230 ppm	11.0279 ppm	0.0090 ppm
Concentration RSD	0.5 %	0.7 %	1.2 %	0.6 %	0.3 %	0.6 %	14.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	10.4983 ppm	0.4917 ppm	0.9731 ppm	14.1466 ppm	0.4513 ppm	0.5301 ppm	0.4666 ppm
Concentration per Run	10.4143 ppm	0.4940 ppm	0.9667 ppm	14.2296 ppm	0.4477 ppm	0.5307 ppm	0.4619 ppm
Concentration per Run	10.6421 ppm	0.4927 ppm	0.9756 ppm	14.2246 ppm	0.4534 ppm	0.5307 ppm	0.4680 ppm
Concentration per Run	10.4385 ppm	0.4884 ppm	0.9770 ppm	13.9855 ppm	0.4529 ppm	0.5289 ppm	0.4698 ppm
Concentration RSD	1.2 %	0.6 %	0.6 %	1.0 %	0.7 %	0.2 %	0.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1130 ppm	28.9512 [SIC 100]	0.9660 ppm	0.9824 ppm	1.5559 ppm	0.1156 ppm	0.4923 ppm
Concentration per Run	0.1091 ppm	28.7074 ppm	0.9548 ppm	0.9890 ppm	1.5539 ppm	0.1163 ppm	0.4883 ppm
Concentration per Run	0.1151 ppm	29.2543 ppm	0.9722 ppm	0.9848 ppm	1.5591 ppm	0.1140 ppm	0.4937 ppm
Concentration per Run	0.1148 ppm	28.8920 ppm	0.9711 ppm	0.9733 ppm	1.5547 ppm	0.1165 ppm	0.4949 ppm
Concentration RSD	3.0 %	1.0 %	1.0 %	0.8 %	0.2 %	1.2 %	0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5246 ppm	101.6573 %	104.1570 %	98.8601 %	99.7403 %	103.6039 %	101.3535 %
Concentration per Run	0.5204 ppm	102.0686 %	104.6629 %	98.4799 %	99.5292 %	104.5939 %	100.7800 %
Concentration per Run	0.5280 ppm	101.6550 %	103.5638 %	98.9262 %	100.5276 %	103.2354 %	101.4785 %
Concentration per Run	0.5253 ppm	101.2484 %	104.2444 %	99.1740 %	99.1642 %	102.9822 %	101.8022 %
Concentration RSD	0.7 %	0.4 %	0.5 %	0.4 %	0.7 %	0.8 %	0.5 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2144562-6d5 WG2144562
Analysis started at: 11/26/2025 4:00:19 PM
Comment <Comment>
Rack Number 2
Vial Numbers 39

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	1.7560 ppm	0.0264 ppm	0.0092 ppm	0.0125 ppm	0.0001 ppm	2.9967 ppm
Concentration per Run	-0.0003 ppm	1.7666 ppm	0.0275 ppm	0.0105 ppm	0.0125 ppm	0.0002 ppm	2.9969 ppm
Concentration per Run	-0.0001 ppm	1.7462 ppm	0.0265 ppm	0.0080 ppm	0.0127 ppm	0.0001 ppm	3.0048 ppm
Concentration per Run	0.0003 ppm	1.7551 ppm	0.0253 ppm	0.0090 ppm	0.0124 ppm	0.0001 ppm	2.9885 ppm
Concentration RSD	607.6 %	0.6 %	4.1 %	13.8 %	1.0 %	54.9 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0004 ppm	0.0017 ppm	0.0044 ppm	2.0465 ppm	0.0570 ppm	0.0016 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	0.0019 ppm	0.0046 ppm	2.0447 ppm	0.0781 ppm	0.0011 ppm
Concentration per Run	0.0002 ppm	0.0004 ppm	0.0017 ppm	0.0043 ppm	2.0486 ppm	0.0312 ppm	0.0017 ppm
Concentration per Run	0.0001 ppm	0.0005 ppm	0.0016 ppm	0.0044 ppm	2.0464 ppm	0.0618 ppm	0.0018 ppm
Concentration RSD	42.2 %	14.8 %	9.6 %	4.2 %	0.1 %	41.7 %	25.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.1080 ppm	0.0083 ppm	0.0010 ppm	0.9064 ppm	0.0018 ppm	0.0040 ppm	0.0038 ppm
Concentration per Run	0.1080 ppm	0.0081 ppm	0.0010 ppm	0.9087 ppm	0.0021 ppm	0.0036 ppm	0.0049 ppm
Concentration per Run	0.1094 ppm	0.0085 ppm	0.0008 ppm	0.9059 ppm	0.0018 ppm	0.0043 ppm	0.0017 ppm
Concentration per Run	0.1066 ppm	0.0082 ppm	0.0012 ppm	0.9045 ppm	0.0015 ppm	0.0041 ppm	0.0047 ppm
Concentration RSD	1.3 %	2.4 %	16.8 %	0.2 %	16.2 %	9.8 %	48.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0052 ppm	2.2393 ppm	0.0017 ppm	0.0109 ppm	0.0410 ppm	0.0016 ppm	0.0055 ppm
Concentration per Run	0.0078 ppm	2.2410 ppm	0.0020 ppm	0.0109 ppm	0.0408 ppm	0.0016 ppm	0.0058 ppm
Concentration per Run	0.0044 ppm	2.2380 ppm	0.0027 ppm	0.0108 ppm	0.0408 ppm	0.0014 ppm	0.0056 ppm
Concentration per Run	0.0034 ppm	2.2389 ppm	0.0002 ppm	0.0108 ppm	0.0413 ppm	0.0019 ppm	0.0052 ppm
Concentration RSD	44.1 %	0.1 %	79.4 %	0.4 %	0.6 %	15.5 %	5.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0141 ppm	103.3583 %	102.8426 %	103.7703 %	101.9251 %	102.7319 %	102.8040 %
Concentration per Run	0.0140 ppm	103.1531 %	103.0985 %	103.3958 %	101.4153 %	103.1311 %	102.2639 %
Concentration per Run	0.0141 ppm	103.3669 %	102.9426 %	104.1788 %	102.4776 %	103.2917 %	103.2144 %
Concentration per Run	0.0143 ppm	103.5548 %	102.4867 %	103.7363 %	101.8824 %	101.7729 %	102.9336 %
Concentration RSD	1.1 %	0.2 %	0.3 %	0.4 %	0.5 %	0.8 %	0.5 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: CCV
Analysis started at: 11/26/2025 4:02:29 PM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4942 ppm	0.4859 ppm	0.4650 ppm	0.4965 ppm	0.4931 ppm	0.4990 ppm	0.4954 ppm
Concentration per Run	0.4952 ppm	0.4860 ppm	0.4622 ppm	0.4968 ppm	0.4891 ppm	0.4965 ppm	0.4923 ppm
Concentration per Run	0.4936 ppm	0.4794 ppm	0.4697 ppm	0.4954 ppm	0.4969 ppm	0.5015 ppm	0.4997 ppm
Concentration per Run	0.4938 ppm	0.4924 ppm	0.4630 ppm	0.4973 ppm	0.4934 ppm	0.4991 ppm	0.4943 ppm
Recovery Percentage	98.836 %	97.184 %	92.997 %	99.294 %	98.628 %	99.805 %	99.083 %
Concentration RSD	0.2 %	1.3 %	0.9 %	0.2 %	0.8 %	0.5 %	0.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5042 ppm	0.5087 ppm	0.5024 ppm	0.5074 ppm	0.4960 ppm	5.1899 ppm	0.4908 ppm
Concentration per Run	0.5050 ppm	0.5105 ppm	0.5036 ppm	0.5087 ppm	0.4948 ppm	5.1573 ppm	0.4779 ppm
Concentration per Run	0.5040 ppm	0.5085 ppm	0.5035 ppm	0.5065 ppm	0.4979 ppm	5.2259 ppm	0.5034 ppm
Concentration per Run	0.5037 ppm	0.5073 ppm	0.5000 ppm	0.5069 ppm	0.4953 ppm	5.1867 ppm	0.4913 ppm
Recovery Percentage	100.846 %	101.747 %	100.475 %	101.472 %	99.197 %	103.799 %	98.167 %
Concentration RSD	0.1 %	0.3 %	0.4 %	0.2 %	0.3 %	0.7 %	2.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4959 ppm	0.5044 ppm	0.4891 ppm	10.0746 ppm	0.5129 ppm	0.4939 ppm	0.5066 ppm
Concentration per Run	0.4941 ppm	0.5017 ppm	0.4896 ppm	9.9932 ppm	0.5126 ppm	0.4938 ppm	0.5079 ppm
Concentration per Run	0.4981 ppm	0.5070 ppm	0.4901 ppm	10.1453 ppm	0.5138 ppm	0.4954 ppm	0.5020 ppm
Concentration per Run	0.4955 ppm	0.5047 ppm	0.4877 ppm	10.0853 ppm	0.5122 ppm	0.4925 ppm	0.5099 ppm
Recovery Percentage	99.178 %	100.887 %	97.830 %	100.746 %	102.573 %	98.776 %	101.318 %
Concentration RSD	0.4 %	0.5 %	0.3 %	0.8 %	0.2 %	0.3 %	0.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4766 ppm	5.3408 ppm	0.4918 ppm	0.4830 ppm	0.4950 ppm	0.5021 ppm	0.5037 ppm
Concentration per Run	0.4755 ppm	5.3415 ppm	0.4944 ppm	0.4795 ppm	0.4930 ppm	0.5020 ppm	0.5052 ppm
Concentration per Run	0.4765 ppm	5.3426 ppm	0.4921 ppm	0.4865 ppm	0.4964 ppm	0.5034 ppm	0.5028 ppm
Concentration per Run	0.4778 ppm	5.3381 ppm	0.4889 ppm	0.4830 ppm	0.4956 ppm	0.5009 ppm	0.5031 ppm
Recovery Percentage	95.321 %	101.729 %	98.358 %	96.594 %	99.002 %	100.419 %	100.736 %
Concentration RSD	0.2 %	0.0 %	0.6 %	0.7 %	0.4 %	0.3 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5083 ppm	103.8464 %	104.1222 %	104.4695 %	101.7286 %	104.0293 %	102.7967 %
Concentration per Run	0.5072 ppm	103.9192 %	104.4044 %	104.2684 %	101.7727 %	103.7735 %	102.6151 %
Concentration per Run	0.5110 ppm	103.7144 %	103.7324 %	104.6217 %	101.6073 %	104.2795 %	103.0355 %
Concentration per Run	0.5067 ppm	103.9056 %	104.2297 %	104.5184 %	101.8057 %	104.0349 %	102.7394 %
Recovery Percentage	101.658 %						
Concentration RSD	0.5 %	0.1 %	0.3 %	0.2 %	0.1 %	0.2 %	0.2 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: CCB
Analysis started at: 11/26/2025 4:04:40 PM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0005 ppm	0.0060 ppm	-0.0013 ppm	0.0020 ppm	-0.0001 ppm	0.0000 ppm	0.0025 ppm
Concentration per Run	-0.0007 ppm	0.0069 ppm	0.0001 ppm	0.0014 ppm	-0.0001 ppm	0.0000 ppm	0.0062 ppm
Concentration per Run	0.0000 ppm	0.0147 ppm	-0.0003 ppm	0.0024 ppm	-0.0001 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run	-0.0008 ppm	-0.0035 ppm	-0.0037 ppm	0.0021 ppm	0.0000 ppm	0.0000 ppm	0.0013 ppm
Recovery Percentage	-7.331 %	6.047 %	-26.402 %	6.606 %	-0.538 %	0.883 %	2.548 %
Concentration RSD	90.2 %	151.6 %	159.9 %	25.0 %	46.8 %	14.1 %	127.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0002 ppm	-0.0002 ppm	0.0001 ppm	0.0019 ppm	-0.0042 ppm	0.0003 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	-0.0003 ppm	0.0002 ppm	0.0031 ppm	0.0047 ppm	0.0012 ppm
Concentration per Run	0.0001 ppm	-0.0002 ppm	-0.0001 ppm	-0.0001 ppm	0.0009 ppm	-0.0046 ppm	0.0005 ppm
Concentration per Run	-0.0001 ppm	-0.0004 ppm	-0.0003 ppm	0.0002 ppm	0.0017 ppm	-0.0127 ppm	-0.0010 ppm
Recovery Percentage	0.601 %	-1.030 %	-2.155 %	0.848 %	3.738 %	-0.168 %	5.091 %
Concentration RSD	268.5 %	93.4 %	59.9 %	176.0 %	58.8 %	208.4 %	435.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0009 ppm	-0.0002 ppm	0.0003 ppm	0.0135 ppm	0.0006 ppm	-0.0004 ppm	0.0009 ppm
Concentration per Run	0.0015 ppm	-0.0003 ppm	0.0005 ppm	0.0084 ppm	0.0005 ppm	-0.0008 ppm	-0.0008 ppm
Concentration per Run	0.0009 ppm	0.0001 ppm	0.0006 ppm	0.0212 ppm	0.0008 ppm	-0.0004 ppm	0.0028 ppm
Concentration per Run	0.0003 ppm	-0.0005 ppm	0.0000 ppm	0.0109 ppm	0.0005 ppm	-0.0001 ppm	0.0005 ppm
Recovery Percentage	0.900 %	-2.368 %	0.699 %	0.676 %	2.407 %	-4.365 %	1.718 %
Concentration RSD	67.1 %	115.6 %	88.3 %	50.2 %	33.5 %	84.5 %	212.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0015 ppm	-0.0029 ppm	0.0012 ppm	-0.0001 ppm	0.0003 ppm	0.0011 ppm	0.0000 ppm
Concentration per Run	0.0024 ppm	-0.0018 ppm	0.0009 ppm	-0.0002 ppm	0.0002 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run	0.0036 ppm	-0.0051 ppm	0.0017 ppm	0.0000 ppm	0.0003 ppm	0.0006 ppm	-0.0001 ppm
Concentration per Run	-0.0014 ppm	-0.0018 ppm	0.0010 ppm	-0.0002 ppm	0.0006 ppm	0.0024 ppm	0.0001 ppm
Recovery Percentage	15.335 %	-0.584 %	2.368 %	-1.354 %	3.458 %	5.718 %	0.328 %
Concentration RSD	171.3 %	64.7 %	35.2 %	103.2 %	52.9 %	95.6 %	249.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0000 ppm	101.8580 %	101.3633 %	103.0555 %	101.4073 %	103.0791 %	102.3461 %
Concentration per Run	0.0001 ppm	102.2639 %	101.0379 %	102.6908 %	101.3552 %	102.8465 %	101.9202 %
Concentration per Run	-0.0001 ppm	100.9873 %	100.8460 %	103.3747 %	100.8676 %	102.8048 %	102.6235 %
Concentration per Run	-0.0001 ppm	102.3227 %	102.2059 %	103.1009 %	101.9992 %	103.5861 %	102.4947 %
Recovery Percentage	-0.936 %						
Concentration RSD	214.6 %	0.7 %	0.7 %	0.3 %	0.6 %	0.4 %	0.4 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: x wrong spot
Analysis started at: 11/26/2025 4:17:31 PM
Comment <Comment>
Rack Number 1
Vial Numbers 1

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0098 ppm	0.0247 ppm	0.0078 ppm	0.0114 ppm	0.0100 ppm	0.0099 ppm	0.0163 ppm
Concentration per Run	0.0098 ppm	0.0236 ppm	0.0077 ppm	0.0105 ppm	0.0101 ppm	0.0100 ppm	0.0154 ppm
Concentration per Run	0.0101 ppm	0.0273 ppm	0.0089 ppm	0.0110 ppm	0.0098 ppm	0.0099 ppm	0.0173 ppm
Concentration per Run	0.0096 ppm	0.0233 ppm	0.0069 ppm	0.0126 ppm	0.0100 ppm	0.0098 ppm	0.0163 ppm
Recovery Percentage	140.599 %	24.747 %	156.516 %	37.930 %	99.862 %	248.039 %	16.312 %
Concentration RSD	2.9 %	9.0 %	12.5 %	9.5 %	1.4 %	1.0 %	5.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0101 ppm	0.0100 ppm	0.0097 ppm	0.0104 ppm	0.0107 ppm	0.1195 ppm	0.0100 ppm
Concentration per Run	0.0101 ppm	0.0098 ppm	0.0098 ppm	0.0104 ppm	0.0111 ppm	0.1117 ppm	0.0109 ppm
Concentration per Run	0.0102 ppm	0.0104 ppm	0.0099 ppm	0.0103 ppm	0.0094 ppm	0.1230 ppm	0.0108 ppm
Concentration per Run	0.0100 ppm	0.0099 ppm	0.0093 ppm	0.0107 ppm	0.0117 ppm	0.1239 ppm	0.0083 ppm
Recovery Percentage	201.856 %	50.175 %	96.732 %	104.479 %	21.490 %	4.780 %	200.600 %
Concentration RSD	0.7 %	3.4 %	3.5 %	2.0 %	11.4 %	5.7 %	15.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0137 ppm	0.0101 ppm	0.0099 ppm	0.2179 ppm	0.0111 ppm	0.0101 ppm	0.0116 ppm
Concentration per Run	0.0131 ppm	0.0098 ppm	0.0100 ppm	0.2201 ppm	0.0106 ppm	0.0109 ppm	0.0115 ppm
Concentration per Run	0.0140 ppm	0.0103 ppm	0.0100 ppm	0.2186 ppm	0.0118 ppm	0.0092 ppm	0.0105 ppm
Concentration per Run	0.0139 ppm	0.0102 ppm	0.0096 ppm	0.2150 ppm	0.0109 ppm	0.0102 ppm	0.0128 ppm
Recovery Percentage	13.674 %	100.845 %	19.771 %	10.896 %	44.354 %	100.933 %	23.182 %
Concentration RSD	3.8 %	2.3 %	2.3 %	1.2 %	5.8 %	8.4 %	10.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0113 ppm	0.1099 ppm	0.0097 ppm	0.0099 ppm	0.0101 ppm	0.0111 ppm	0.0102 ppm
Concentration per Run	0.0115 ppm	0.1091 ppm	0.0088 ppm	0.0101 ppm	0.0103 ppm	0.0125 ppm	0.0102 ppm
Concentration per Run	0.0122 ppm	0.1101 ppm	0.0092 ppm	0.0100 ppm	0.0101 ppm	0.0105 ppm	0.0101 ppm
Concentration per Run	0.0102 ppm	0.1106 ppm	0.0112 ppm	0.0098 ppm	0.0098 ppm	0.0104 ppm	0.0103 ppm
Recovery Percentage	112.925 %	21.980 %	19.450 %	99.454 %	100.723 %	55.625 %	101.897 %
Concentration RSD	9.3 %	0.7 %	13.7 %	1.2 %	2.5 %	10.7 %	0.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0109 ppm	102.9186 %	103.4831 %	103.2578 %	102.4264 %	102.8808 %	103.1148 %
Concentration per Run	0.0109 ppm	103.3979 %	102.4632 %	103.2312 %	102.7118 %	102.5593 %	103.2010 %
Concentration per Run	0.0109 ppm	103.0940 %	104.4954 %	102.8965 %	102.5472 %	103.4473 %	102.7298 %
Concentration per Run	0.0109 ppm	102.2639 %	103.4907 %	103.6456 %	102.0201 %	102.6359 %	103.4135 %
Recovery Percentage	217.679 %						
Concentration RSD	0.2 %	0.6 %	1.0 %	0.4 %	0.4 %	0.5 %	0.3 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2142906-2 WG2142906
Analysis started at: 11/26/2025 4:19:53 PM
Comment <Comment>
Rack Number 2
Vial Numbers 41

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0502 ppm	2.0507 ppm	0.1177 ppm	1.0318 ppm	2.0155 ppm	0.0510 ppm	10.3776 ppm
Concentration per Run	0.0500 ppm	2.0588 ppm	0.1201 ppm	1.0337 ppm	2.0195 ppm	0.0512 ppm	10.4199 ppm
Concentration per Run	0.0505 ppm	2.0659 ppm	0.1160 ppm	1.0339 ppm	2.0191 ppm	0.0509 ppm	10.4088 ppm
Concentration per Run	0.0499 ppm	2.0274 ppm	0.1170 ppm	1.0279 ppm	2.0079 ppm	0.0508 ppm	10.3043 ppm
Concentration RSD	0.7 %	1.0 %	1.8 %	0.3 %	0.3 %	0.4 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0547 ppm	0.5072 ppm	0.2020 ppm	0.2572 ppm	1.0143 ppm	10.5253 ppm	0.0009 ppm
Concentration per Run	0.0550 ppm	0.5096 ppm	0.2036 ppm	0.2583 ppm	1.0174 ppm	10.5732 ppm	0.0022 ppm
Concentration per Run	0.0548 ppm	0.5073 ppm	0.2018 ppm	0.2570 ppm	1.0176 ppm	10.5600 ppm	0.0014 ppm
Concentration per Run	0.0541 ppm	0.5046 ppm	0.2007 ppm	0.2561 ppm	1.0078 ppm	10.4428 ppm	-0.0008 ppm
Concentration RSD	0.9 %	0.5 %	0.7 %	0.4 %	0.6 %	0.7 %	165.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	10.2669 ppm	0.5072 ppm	1.0330 ppm	10.4377 ppm	0.5153 ppm	0.5241 ppm	0.4843 ppm
Concentration per Run	10.2469 ppm	0.5088 ppm	1.0354 ppm	10.4819 ppm	0.5160 ppm	0.5236 ppm	0.4783 ppm
Concentration per Run	10.2564 ppm	0.5083 ppm	1.0334 ppm	10.5125 ppm	0.5156 ppm	0.5270 ppm	0.4888 ppm
Concentration per Run	10.2973 ppm	0.5046 ppm	1.0304 ppm	10.3187 ppm	0.5142 ppm	0.5217 ppm	0.4857 ppm
Concentration RSD	0.3 %	0.5 %	0.2 %	1.0 %	0.2 %	0.5 %	1.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1221 ppm	1.0068 ppm	1.0071 [SIC 50]	0.9727 ppm	1.0232 ppm	0.1245 ppm	0.5232 ppm
Concentration per Run	0.1239 ppm	1.0099 ppm	1.0149 ppm	0.9751 ppm	1.0171 ppm	0.1253 ppm	0.5267 ppm
Concentration per Run	0.1210 ppm	1.0076 ppm	1.0059 ppm	0.9750 ppm	1.0225 ppm	0.1237 ppm	0.5229 ppm
Concentration per Run	0.1213 ppm	1.0029 ppm	1.0004 ppm	0.9680 ppm	1.0300 ppm	0.1245 ppm	0.5199 ppm
Concentration RSD	1.3 %	0.4 %	0.7 %	0.4 %	0.6 %	0.7 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5159 ppm	104.0065 %	106.1578 %	103.3461 %	102.1145 %	104.1712 %	102.3839 %
Concentration per Run	0.5208 ppm	104.1758 %	105.7853 %	103.9177 %	102.5613 %	104.3159 %	103.0899 %
Concentration per Run	0.5153 ppm	103.8536 %	105.9354 %	102.5416 %	101.6705 %	104.1347 %	101.7618 %
Concentration per Run	0.5116 ppm	103.9901 %	106.7526 %	103.5789 %	102.1115 %	104.0631 %	102.2998 %
Concentration RSD	0.9 %	0.2 %	0.5 %	0.7 %	0.4 %	0.1 %	0.7 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2571346-20 WG2142906
Analysis started at: 11/26/2025 4:25:37 PM
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Rack Number 2
Vial Numbers 52

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0004 ppm	0.0142 ppm	0.0005 ppm	0.0108 ppm	0.0061 ppm	0.0000 ppm	17.3129 ppm
Concentration per Run	-0.0003 ppm	0.0138 ppm	0.0008 ppm	0.0110 ppm	0.0062 ppm	0.0000 ppm	17.3360 ppm
Concentration per Run	-0.0003 ppm	0.0187 ppm	-0.0014 ppm	0.0110 ppm	0.0061 ppm	0.0000 ppm	17.3197 ppm
Concentration per Run	-0.0006 ppm	0.0100 ppm	0.0021 ppm	0.0102 ppm	0.0061 ppm	0.0000 ppm	17.2829 ppm
Concentration RSD	45.9 %	30.8 %	338.4 %	4.1 %	0.8 %	230.1 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0010 ppm	0.0056 ppm	1.3428 ppm	0.0129 ppm
Concentration per Run	0.0002 ppm	-0.0001 ppm	0.0000 ppm	0.0012 ppm	0.0037 ppm	1.3500 ppm	0.0118 ppm
Concentration per Run	0.0001 ppm	0.0004 ppm	0.0005 ppm	0.0009 ppm	0.0059 ppm	1.3652 ppm	0.0141 ppm
Concentration per Run	0.0002 ppm	-0.0006 ppm	-0.0006 ppm	0.0010 ppm	0.0074 ppm	1.3133 ppm	0.0129 ppm
Concentration RSD	46.1 %	496.4 %	1,698.4 %	15.3 %	32.7 %	2.0 %	8.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	16.6142 ppm	0.0104 ppm	0.0002 ppm	17.3540 ppm	0.0013 ppm	-0.0003 ppm	0.0012 ppm
Concentration per Run	16.6268 ppm	0.0104 ppm	0.0001 ppm	17.3719 ppm	0.0011 ppm	0.0002 ppm	0.0005 ppm
Concentration per Run	16.6561 ppm	0.0101 ppm	0.0002 ppm	17.3392 ppm	0.0019 ppm	-0.0004 ppm	-0.0002 ppm
Concentration per Run	16.5596 ppm	0.0106 ppm	0.0002 ppm	17.3508 ppm	0.0009 ppm	-0.0005 ppm	0.0033 ppm
Concentration RSD	0.3 %	2.6 %	55.0 %	0.1 %	42.0 %	146.8 %	150.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0019 ppm	8.6452 ppm	-0.0001 ppm	0.0990 ppm	0.0002 ppm	0.0024 ppm	0.0002 ppm
Concentration per Run	-0.0024 ppm	8.6745 ppm	-0.0010 ppm	0.0991 ppm	0.0003 ppm	0.0028 ppm	0.0003 ppm
Concentration per Run	0.0034 ppm	8.6290 ppm	-0.0002 ppm	0.0991 ppm	0.0006 ppm	0.0031 ppm	0.0000 ppm
Concentration per Run	0.0047 ppm	8.6322 ppm	0.0010 ppm	0.0988 ppm	-0.0003 ppm	0.0014 ppm	0.0002 ppm
Concentration RSD	196.3 %	0.3 %	1,084.7 %	0.2 %	250.9 %	38.5 %	89.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0013 ppm	104.0537 %	105.8966 %	103.4479 %	102.1593 %	104.6410 %	102.2774 %
Concentration per Run	0.0016 ppm	104.1354 %	106.0721 %	104.1948 %	102.3483 %	104.6597 %	102.9533 %
Concentration per Run	0.0010 ppm	103.4282 %	105.8595 %	102.8924 %	101.3312 %	104.8360 %	101.6896 %
Concentration per Run	0.0012 ppm	104.5975 %	105.7583 %	103.2566 %	102.7985 %	104.4272 %	102.1893 %
Concentration RSD	22.7 %	0.6 %	0.2 %	0.6 %	0.7 %	0.2 %	0.6 %

ICP DataTrace 11

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LabBook: WG2146815_11262025T11.imexp

Sample: L2571346-29 WG2142906
Analysis started at: 11/26/2025 4:27:55 PM
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Rack Number 2
Vial Numbers 53

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0008 ppm	0.0107 ppm	-0.0005 ppm	0.0025 ppm	0.0069 ppm	0.0000 ppm	42.9430 ppm
Concentration per Run	-0.0002 ppm	0.0165 ppm	-0.0009 ppm	0.0020 ppm	0.0072 ppm	0.0000 ppm	42.8201 ppm
Concentration per Run	-0.0012 ppm	0.0101 ppm	0.0001 ppm	0.0035 ppm	0.0068 ppm	0.0000 ppm	42.9521 ppm
Concentration per Run	-0.0010 ppm	0.0054 ppm	-0.0006 ppm	0.0022 ppm	0.0068 ppm	0.0000 ppm	43.0568 ppm
Concentration RSD	66.5 %	52.0 %	112.9 %	32.5 %	3.4 %	82.8 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0004 ppm	0.0000 ppm	0.0005 ppm	0.0023 ppm	1.9284 ppm	0.0046 ppm
Concentration per Run	0.0000 ppm	-0.0009 ppm	0.0001 ppm	0.0004 ppm	0.0010 ppm	1.9447 ppm	0.0057 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	-0.0002 ppm	0.0007 ppm	0.0019 ppm	1.9456 ppm	0.0042 ppm
Concentration per Run	0.0000 ppm	-0.0005 ppm	0.0000 ppm	0.0005 ppm	0.0039 ppm	1.8950 ppm	0.0038 ppm
Concentration RSD	282.8 %	124.9 %	565.8 %	26.9 %	64.0 %	1.5 %	22.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	7.7078 ppm	0.0011 ppm	0.0003 ppm	1.9424 ppm	0.0021 ppm	0.0000 ppm	0.0009 ppm
Concentration per Run	7.7177 ppm	0.0010 ppm	-0.0002 ppm	1.9418 ppm	0.0021 ppm	0.0004 ppm	-0.0010 ppm
Concentration per Run	7.6737 ppm	0.0013 ppm	0.0005 ppm	1.9414 ppm	0.0024 ppm	-0.0001 ppm	0.0031 ppm
Concentration per Run	7.7321 ppm	0.0011 ppm	0.0005 ppm	1.9439 ppm	0.0017 ppm	-0.0003 ppm	0.0005 ppm
Concentration RSD	0.4 %	12.5 %	166.7 %	0.1 %	17.6 %	10,241.8 %	238.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0009 ppm	6.2561 ppm	-0.0010 ppm	0.1635 ppm	0.0003 ppm	0.0013 ppm	0.0007 ppm
Concentration per Run	-0.0001 ppm	6.2586 ppm	-0.0021 ppm	0.1635 ppm	0.0001 ppm	-0.0004 ppm	0.0007 ppm
Concentration per Run	-0.0031 ppm	6.2643 ppm	-0.0014 ppm	0.1633 ppm	0.0003 ppm	0.0019 ppm	0.0007 ppm
Concentration per Run	0.0005 ppm	6.2456 ppm	0.0004 ppm	0.1639 ppm	0.0006 ppm	0.0022 ppm	0.0005 ppm
Concentration RSD	213.2 %	0.2 %	121.2 %	0.2 %	81.6 %	113.7 %	16.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0008 ppm	104.4291 %	105.1745 %	103.4719 %	102.4144 %	104.3708 %	102.8110 %
Concentration per Run	0.0007 ppm	104.5739 %	104.9670 %	102.7792 %	102.4281 %	104.2312 %	102.3933 %
Concentration per Run	0.0008 ppm	104.3959 %	105.1836 %	104.0304 %	102.4632 %	104.2461 %	103.1340 %
Concentration per Run	0.0010 ppm	104.3174 %	105.3728 %	103.6061 %	102.3518 %	104.6352 %	102.9058 %
Concentration RSD	17.1 %	0.1 %	0.2 %	0.6 %	0.1 %	0.2 %	0.4 %

ICP DataTrace 11

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LabBook: WG2146815_11262025T11.imexp

Sample: L2571998-04 WG2142906
Analysis started at: 11/26/2025 4:30:07 PM
Comment <Comment>
Rack Number 2
Vial Numbers 54

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0007 ppm	-0.0059 ppm	0.0688 ppm	0.4928 ppm	0.2374 ppm	0.0001 ppm	108.6181 ppm
Concentration per Run	0.0008 ppm	-0.0149 ppm	0.0675 ppm	0.4902 ppm	0.2365 ppm	0.0000 ppm	107.9353 ppm
Concentration per Run	0.0006 ppm	0.0069 ppm	0.0693 ppm	0.4925 ppm	0.2395 ppm	0.0001 ppm	109.1415 ppm
Concentration per Run	0.0005 ppm	-0.0098 ppm	0.0694 ppm	0.4957 ppm	0.2362 ppm	0.0001 ppm	108.7776 ppm
Concentration RSD	23.2 %	192.3 %	1.6 %	0.6 %	0.8 %	25.9 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0003 ppm	0.0969 ppm	0.0000 ppm	0.0025 ppm	101.0888 ppm	12.5043 ppm	0.0098 ppm
Concentration per Run	0.0003 ppm	0.0971 ppm	0.0000 ppm	0.0023 ppm	100.4181 ppm	12.4580 ppm	0.0085 ppm
Concentration per Run	0.0004 ppm	0.0968 ppm	-0.0002 ppm	0.0033 ppm	101.8042 ppm	12.5948 ppm	0.0105 ppm
Concentration per Run	0.0002 ppm	0.0969 ppm	0.0001 ppm	0.0019 ppm	101.0441 ppm	12.4602 ppm	0.0105 ppm
Concentration RSD	34.9 %	0.1 %	1,527.5 %	29.5 %	0.7 %	0.6 %	11.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	24.3491 ppm	2.6222 ppm	0.0011 ppm	129.6618 ppm	0.0102 ppm	-0.0016 ppm	0.0000 ppm
Concentration per Run	24.3466 ppm	2.6121 ppm	0.0006 ppm	128.6757 ppm	0.0104 ppm	-0.0017 ppm	0.0008 ppm
Concentration per Run	24.3646 ppm	2.6317 ppm	0.0016 ppm	130.8737 ppm	0.0108 ppm	-0.0018 ppm	-0.0025 ppm
Concentration per Run	24.3359 ppm	2.6227 ppm	0.0010 ppm	129.4360 ppm	0.0095 ppm	-0.0012 ppm	0.0017 ppm
Concentration RSD	0.1 %	0.4 %	43.9 %	0.9 %	6.6 %	21.8 %	39,399.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0023 ppm	16.8492 ppm	-0.0007 ppm	0.7552 ppm	-0.0001 ppm	0.0006 ppm	-0.0009 ppm
Concentration per Run	0.0017 ppm	16.7411 ppm	-0.0014 ppm	0.7513 ppm	0.0001 ppm	-0.0004 ppm	-0.0010 ppm
Concentration per Run	0.0023 ppm	16.8252 ppm	-0.0009 ppm	0.7610 ppm	-0.0005 ppm	0.0021 ppm	-0.0010 ppm
Concentration per Run	0.0028 ppm	16.9814 ppm	0.0002 ppm	0.7532 ppm	0.0001 ppm	0.0000 ppm	-0.0008 ppm
Concentration RSD	24.0 %	0.7 %	119.6 %	0.7 %	381.5 %	225.7 %	15.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0016 ppm	98.8797 %	104.4478 %	94.1867 %	96.1890 %	102.4801 %	97.3468 %
Concentration per Run	0.0014 ppm	99.1036 %	104.4898 %	93.9155 %	96.2043 %	102.2818 %	97.0937 %
Concentration per Run	0.0016 ppm	99.0030 %	104.0661 %	94.2129 %	96.1933 %	102.5074 %	97.3707 %
Concentration per Run	0.0016 ppm	98.5326 %	104.7875 %	94.4317 %	96.1694 %	102.6511 %	97.5761 %
Concentration RSD	5.7 %	0.3 %	0.3 %	0.3 %	0.0 %	0.2 %	0.2 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2571998-06 WG2142906
Analysis started at: 11/26/2025 4:32:17 PM
Comment <Comment>
Rack Number 2
Vial Numbers 42

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0005 ppm	0.0160 ppm	0.0001 ppm	0.0451 ppm	0.0162 ppm	0.0001 ppm	6.9034 ppm
Concentration per Run	0.0001 ppm	0.0181 ppm	-0.0016 ppm	0.0448 ppm	0.0162 ppm	0.0001 ppm	6.9093 ppm
Concentration per Run	-0.0012 ppm	0.0067 ppm	0.0017 ppm	0.0444 ppm	0.0160 ppm	0.0001 ppm	6.8696 ppm
Concentration per Run	-0.0005 ppm	0.0233 ppm	0.0003 ppm	0.0460 ppm	0.0164 ppm	0.0000 ppm	6.9315 ppm
Concentration RSD	130.2 %	53.2 %	1,615.8 %	1.9 %	1.4 %	39.8 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0005 ppm	-0.0001 ppm	0.0009 ppm	0.0140 ppm	1.9360 ppm	0.0002 ppm
Concentration per Run	0.0000 ppm	-0.0007 ppm	0.0002 ppm	0.0008 ppm	0.0143 ppm	1.9325 ppm	-0.0015 ppm
Concentration per Run	-0.0001 ppm	-0.0006 ppm	0.0000 ppm	0.0009 ppm	0.0142 ppm	1.9172 ppm	0.0012 ppm
Concentration per Run	0.0001 ppm	-0.0002 ppm	-0.0004 ppm	0.0009 ppm	0.0136 ppm	1.9582 ppm	0.0009 ppm
Concentration RSD	984.1 %	50.5 %	441.0 %	7.6 %	2.6 %	1.1 %	804.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.6940 ppm	0.0010 ppm	0.0001 ppm	1.9570 ppm	0.0011 ppm	-0.0001 ppm	0.0000 ppm
Concentration per Run	0.6977 ppm	0.0011 ppm	0.0001 ppm	1.9549 ppm	0.0018 ppm	0.0003 ppm	0.0005 ppm
Concentration per Run	0.6937 ppm	0.0008 ppm	-0.0002 ppm	1.9380 ppm	0.0003 ppm	-0.0005 ppm	-0.0018 ppm
Concentration per Run	0.6907 ppm	0.0009 ppm	0.0003 ppm	1.9780 ppm	0.0013 ppm	-0.0002 ppm	0.0014 ppm
Concentration RSD	0.5 %	15.1 %	342.0 %	1.0 %	66.9 %	288.7 %	5,072.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0044 ppm	2.6578 ppm	-0.0007 ppm	0.0306 ppm	0.0003 ppm	0.0014 ppm	0.0002 ppm
Concentration per Run	0.0061 ppm	2.6572 ppm	-0.0003 ppm	0.0304 ppm	0.0005 ppm	0.0027 ppm	0.0002 ppm
Concentration per Run	0.0036 ppm	2.6578 ppm	-0.0017 ppm	0.0302 ppm	0.0003 ppm	0.0005 ppm	0.0000 ppm
Concentration per Run	0.0036 ppm	2.6583 ppm	-0.0002 ppm	0.0313 ppm	0.0001 ppm	0.0011 ppm	0.0003 ppm
Concentration RSD	32.9 %	0.0 %	121.6 %	1.9 %	60.1 %	81.0 %	80.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0019 ppm	105.9432 %	105.6804 %	106.3020 %	104.1428 %	104.3307 %	104.4075 %
Concentration per Run	0.0019 ppm	106.0891 %	106.2746 %	106.4473 %	104.1348 %	104.9465 %	104.3431 %
Concentration per Run	0.0021 ppm	105.7890 %	105.3685 %	106.2756 %	103.9084 %	103.3326 %	104.3405 %
Concentration per Run	0.0016 ppm	105.9514 %	105.3982 %	106.1831 %	104.3853 %	104.7130 %	104.5390 %
Concentration RSD	13.6 %	0.1 %	0.5 %	0.1 %	0.2 %	0.8 %	0.1 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2142906-3 WG2142906
Analysis started at: 11/26/2025 4:34:27 PM
Comment <Comment>
Rack Number 2
Vial Numbers 43

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0499 ppm	2.0641 ppm	0.1178 ppm	1.0734 ppm	2.0254 ppm	0.0510 ppm	16.9685 ppm
Concentration per Run	0.0496 ppm	2.0571 ppm	0.1185 ppm	1.0714 ppm	2.0236 ppm	0.0510 ppm	17.0049 ppm
Concentration per Run	0.0502 ppm	2.0662 ppm	0.1179 ppm	1.0715 ppm	2.0211 ppm	0.0508 ppm	16.9277 ppm
Concentration per Run	0.0500 ppm	2.0688 ppm	0.1169 ppm	1.0774 ppm	2.0315 ppm	0.0513 ppm	16.9728 ppm
Concentration RSD	0.7 %	0.3 %	0.7 %	0.3 %	0.3 %	0.5 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0541 ppm	0.5018 ppm	0.1998 ppm	0.2542 ppm	1.0233 ppm	12.4460 ppm	0.0017 ppm
Concentration per Run	0.0539 ppm	0.4994 ppm	0.1978 ppm	0.2531 ppm	1.0215 ppm	12.4222 ppm	0.0021 ppm
Concentration per Run	0.0540 ppm	0.5011 ppm	0.2005 ppm	0.2534 ppm	1.0178 ppm	12.4101 ppm	0.0008 ppm
Concentration per Run	0.0545 ppm	0.5049 ppm	0.2012 ppm	0.2560 ppm	1.0307 ppm	12.5057 ppm	0.0021 ppm
Concentration RSD	0.6 %	0.6 %	0.9 %	0.6 %	0.6 %	0.4 %	44.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	10.8040 ppm	0.5061 ppm	1.0237 ppm	12.2724 ppm	0.5092 ppm	0.5181 ppm	0.4839 ppm
Concentration per Run	10.8463 ppm	0.5054 ppm	1.0179 ppm	12.3191 ppm	0.5092 ppm	0.5186 ppm	0.4816 ppm
Concentration per Run	10.7923 ppm	0.5048 ppm	1.0234 ppm	12.2860 ppm	0.5072 ppm	0.5171 ppm	0.4818 ppm
Concentration per Run	10.7732 ppm	0.5082 ppm	1.0297 ppm	12.2123 ppm	0.5113 ppm	0.5185 ppm	0.4882 ppm
Concentration RSD	0.4 %	0.4 %	0.6 %	0.4 %	0.4 %	0.2 %	0.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1216 ppm	3.7054 ppm	0.9965 ppm	1.0014 ppm	1.0173 ppm	0.1221 ppm	0.5172 ppm
Concentration per Run	0.1219 ppm	3.6945 ppm	0.9952 ppm	1.0017 ppm	1.0161 ppm	0.1219 ppm	0.5150 ppm
Concentration per Run	0.1231 ppm	3.6971 ppm	1.0003 ppm	0.9983 ppm	1.0177 ppm	0.1221 ppm	0.5160 ppm
Concentration per Run	0.1198 ppm	3.7246 ppm	0.9941 ppm	1.0040 ppm	1.0182 ppm	0.1225 ppm	0.5205 ppm
Concentration RSD	1.4 %	0.5 %	0.3 %	0.3 %	0.1 %	0.2 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5143 ppm	103.9625 %	104.7399 %	103.3989 %	101.8062 %	103.8372 %	102.4595 %
Concentration per Run	0.5141 ppm	104.1973 %	104.9573 %	103.1139 %	101.9800 %	103.9397 %	102.3254 %
Concentration per Run	0.5131 ppm	103.5043 %	104.9225 %	103.7106 %	101.0922 %	104.0475 %	102.8002 %
Concentration per Run	0.5157 ppm	104.1860 %	104.3399 %	103.3722 %	102.3466 %	103.5244 %	102.2529 %
Concentration RSD	0.3 %	0.4 %	0.3 %	0.3 %	0.6 %	0.3 %	0.3 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2142906-4 WG2142906
Analysis started at: 11/26/2025 4:36:38 PM
Comment <Comment>
Rack Number 2
Vial Numbers 44

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0495 ppm	2.0745 ppm	0.1173 ppm	1.0848 ppm	2.0405 ppm	0.0514 ppm	17.1620 ppm
Concentration per Run	0.0493 ppm	2.0724 ppm	0.1171 ppm	1.0786 ppm	2.0374 ppm	0.0514 ppm	17.1282 ppm
Concentration per Run	0.0494 ppm	2.0630 ppm	0.1156 ppm	1.0843 ppm	2.0365 ppm	0.0511 ppm	17.1264 ppm
Concentration per Run	0.0498 ppm	2.0882 ppm	0.1193 ppm	1.0916 ppm	2.0475 ppm	0.0515 ppm	17.2314 ppm
Concentration RSD	0.5 %	0.6 %	1.6 %	0.6 %	0.3 %	0.5 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0546 ppm	0.5044 ppm	0.2010 ppm	0.2557 ppm	1.0303 ppm	12.5254 ppm	0.0024 ppm
Concentration per Run	0.0541 ppm	0.5049 ppm	0.2002 ppm	0.2545 ppm	1.0323 ppm	12.4961 ppm	0.0016 ppm
Concentration per Run	0.0547 ppm	0.5021 ppm	0.2003 ppm	0.2551 ppm	1.0229 ppm	12.5156 ppm	0.0035 ppm
Concentration per Run	0.0548 ppm	0.5061 ppm	0.2025 ppm	0.2576 ppm	1.0357 ppm	12.5647 ppm	0.0022 ppm
Concentration RSD	0.7 %	0.4 %	0.6 %	0.6 %	0.6 %	0.3 %	39.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	10.8706 ppm	0.5084 ppm	1.0302 ppm	12.4338 ppm	0.5136 ppm	0.5229 ppm	0.4909 ppm
Concentration per Run	10.9082 ppm	0.5088 ppm	1.0283 ppm	12.4374 ppm	0.5114 ppm	0.5241 ppm	0.4797 ppm
Concentration per Run	10.8472 ppm	0.5057 ppm	1.0246 ppm	12.3657 ppm	0.5132 ppm	0.5212 ppm	0.4920 ppm
Concentration per Run	10.8566 ppm	0.5107 ppm	1.0375 ppm	12.4984 ppm	0.5162 ppm	0.5235 ppm	0.5011 ppm
Concentration RSD	0.3 %	0.5 %	0.6 %	0.5 %	0.5 %	0.3 %	2.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1230 ppm	3.7474 ppm	1.0070 [SIC 50]	1.0095 ppm	1.0272 ppm	0.1239 ppm	0.5211 ppm
Concentration per Run	0.1235 ppm	3.7344 ppm	1.0051 ppm	1.0076 ppm	1.0243 ppm	0.1232 ppm	0.5190 ppm
Concentration per Run	0.1225 ppm	3.7344 ppm	1.0050 ppm	1.0077 ppm	1.0338 ppm	0.1243 ppm	0.5193 ppm
Concentration per Run	0.1229 ppm	3.7734 ppm	1.0109 ppm	1.0130 ppm	1.0234 ppm	0.1242 ppm	0.5248 ppm
Concentration RSD	0.4 %	0.6 %	0.3 %	0.3 %	0.6 %	0.5 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5178 ppm	103.8221 %	105.5475 %	102.7418 %	101.7093 %	104.6426 %	101.7140 %
Concentration per Run	0.5156 ppm	103.7632 %	105.7230 %	102.7848 %	101.4451 %	104.8720 %	101.6847 %
Concentration per Run	0.5173 ppm	104.1612 %	105.7647 %	103.0458 %	102.0797 %	104.4694 %	101.9990 %
Concentration per Run	0.5206 ppm	103.5418 %	105.1548 %	102.3949 %	101.6029 %	104.5864 %	101.4583 %
Concentration RSD	0.5 %	0.3 %	0.3 %	0.3 %	0.3 %	0.2 %	0.3 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2142906-5 WG2142906
Analysis started at: 11/26/2025 4:38:48 PM
Comment <Comment>
Rack Number 2
Vial Numbers 45

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0210 ppm	2.1665 ppm	0.1178 ppm	1.0703 ppm	2.1116 ppm	0.0534 ppm	17.0421 ppm
Concentration per Run	0.0208 ppm	2.1700 ppm	0.1186 ppm	1.0648 ppm	2.1116 ppm	0.0535 ppm	17.0419 ppm
Concentration per Run	0.0213 ppm	2.1681 ppm	0.1163 ppm	1.0726 ppm	2.1099 ppm	0.0533 ppm	17.0458 ppm
Concentration per Run	0.0210 ppm	2.1614 ppm	0.1185 ppm	1.0734 ppm	2.1133 ppm	0.0535 ppm	17.0385 ppm
Concentration RSD	1.0 %	0.2 %	1.1 %	0.4 %	0.1 %	0.2 %	0.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0550 ppm	0.5261 ppm	0.2095 ppm	0.2668 ppm	1.0759 ppm	12.6724 ppm	0.0029 ppm
Concentration per Run	0.0549 ppm	0.5248 ppm	0.2092 ppm	0.2656 ppm	1.0753 ppm	12.6935 ppm	0.0027 ppm
Concentration per Run	0.0551 ppm	0.5263 ppm	0.2092 ppm	0.2678 ppm	1.0748 ppm	12.6326 ppm	0.0026 ppm
Concentration per Run	0.0552 ppm	0.5271 ppm	0.2101 ppm	0.2669 ppm	1.0776 ppm	12.6912 ppm	0.0034 ppm
Concentration RSD	0.3 %	0.2 %	0.2 %	0.4 %	0.1 %	0.3 %	15.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	10.8249 ppm	0.5305 ppm	1.0146 ppm	12.5254 ppm	0.5342 ppm	0.5366 ppm	0.4825 ppm
Concentration per Run	10.8442 ppm	0.5307 ppm	1.0112 ppm	12.4921 ppm	0.5340 ppm	0.5338 ppm	0.4693 ppm
Concentration per Run	10.8293 ppm	0.5304 ppm	1.0158 ppm	12.5761 ppm	0.5332 ppm	0.5388 ppm	0.4851 ppm
Concentration per Run	10.8014 ppm	0.5304 ppm	1.0167 ppm	12.5079 ppm	0.5354 ppm	0.5372 ppm	0.4932 ppm
Concentration RSD	0.2 %	0.0 %	0.3 %	0.4 %	0.2 %	0.5 %	2.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1237 ppm	4.0995 ppm	1.0174 [SIC 50]	1.0086 ppm	1.0217 ppm	0.1240 ppm	0.5421 ppm
Concentration per Run	0.1240 ppm	4.0810 ppm	1.0195 ppm	1.0091 ppm	1.0281 ppm	0.1228 ppm	0.5412 ppm
Concentration per Run	0.1246 ppm	4.1111 ppm	1.0165 ppm	1.0069 ppm	1.0259 ppm	0.1238 ppm	0.5415 ppm
Concentration per Run	0.1224 ppm	4.1064 ppm	1.0161 ppm	1.0098 ppm	1.0109 ppm	0.1253 ppm	0.5436 ppm
Concentration RSD	0.9 %	0.4 %	0.2 %	0.2 %	0.9 %	1.0 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5387 ppm	103.5748 %	105.6487 %	103.1060 %	101.5791 %	104.6253 %	102.1729 %
Concentration per Run	0.5377 ppm	103.5500 %	105.6679 %	103.4351 %	101.9356 %	104.7077 %	102.4841 %
Concentration per Run	0.5386 ppm	103.7923 %	105.9751 %	103.2582 %	101.6380 %	104.8457 %	102.2334 %
Concentration per Run	0.5398 ppm	103.3819 %	105.3031 %	102.6248 %	101.1636 %	104.3226 %	101.8012 %
Concentration RSD	0.2 %	0.2 %	0.3 %	0.4 %	0.4 %	0.3 %	0.3 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2142906-6d5 WG2142906
Analysis started at: 11/26/2025 4:40:58 PM
Comment <Comment>
Rack Number 2
Vial Numbers 46

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0005 ppm	0.0078 ppm	-0.0012 ppm	0.0111 ppm	0.0027 ppm	0.0000 ppm	1.3763 ppm
Concentration per Run	-0.0004 ppm	0.0043 ppm	-0.0023 ppm	0.0121 ppm	0.0028 ppm	0.0001 ppm	1.3848 ppm
Concentration per Run	-0.0004 ppm	0.0159 ppm	-0.0004 ppm	0.0104 ppm	0.0027 ppm	0.0000 ppm	1.3762 ppm
Concentration per Run	-0.0007 ppm	0.0031 ppm	-0.0010 ppm	0.0108 ppm	0.0026 ppm	0.0000 ppm	1.3679 ppm
Concentration RSD	35.8 %	91.1 %	78.9 %	8.3 %	3.0 %	81.6 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0001 ppm	-0.0003 ppm	0.0003 ppm	0.0040 ppm	0.3959 ppm	-0.0001 ppm
Concentration per Run	0.0001 ppm	-0.0003 ppm	-0.0002 ppm	0.0002 ppm	0.0046 ppm	0.4270 ppm	-0.0015 ppm
Concentration per Run	0.0001 ppm	-0.0002 ppm	-0.0001 ppm	0.0006 ppm	0.0041 ppm	0.3728 ppm	0.0007 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	-0.0006 ppm	0.0002 ppm	0.0033 ppm	0.3881 ppm	0.0007 ppm
Concentration RSD	21.4 %	115.1 %	95.6 %	78.9 %	16.8 %	7.1 %	2,129.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.1419 ppm	0.0001 ppm	0.0009 ppm	0.4023 ppm	0.0010 ppm	-0.0001 ppm	0.0044 ppm
Concentration per Run	0.1411 ppm	0.0002 ppm	0.0009 ppm	0.4030 ppm	0.0014 ppm	-0.0002 ppm	0.0006 ppm
Concentration per Run	0.1415 ppm	0.0000 ppm	0.0009 ppm	0.3971 ppm	0.0006 ppm	-0.0004 ppm	0.0070 ppm
Concentration per Run	0.1430 ppm	0.0002 ppm	0.0010 ppm	0.4068 ppm	0.0010 ppm	0.0003 ppm	0.0058 ppm
Concentration RSD	0.7 %	94.5 %	6.0 %	1.2 %	37.2 %	285.7 %	76.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0014 ppm	0.5280 ppm	0.0055 ppm	0.0062 ppm	0.0003 ppm	0.0011 ppm	0.0003 ppm
Concentration per Run	0.0029 ppm	0.5266 ppm	0.0044 ppm	0.0062 ppm	0.0003 ppm	0.0019 ppm	0.0008 ppm
Concentration per Run	0.0015 ppm	0.5296 ppm	0.0050 ppm	0.0062 ppm	0.0005 ppm	-0.0001 ppm	0.0000 ppm
Concentration per Run	-0.0001 ppm	0.5280 ppm	0.0071 ppm	0.0061 ppm	0.0001 ppm	0.0015 ppm	0.0001 ppm
Concentration RSD	101.9 %	0.3 %	25.5 %	1.1 %	76.0 %	99.8 %	153.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0003 ppm	104.2500 %	104.2596 %	105.8800 %	102.7052 %	104.1976 %	103.7779 %
Concentration per Run	0.0003 ppm	104.6071 %	104.2803 %	105.5511 %	103.1733 %	104.3888 %	103.1198 %
Concentration per Run	0.0001 ppm	104.4443 %	104.3995 %	105.7714 %	102.9287 %	104.2819 %	103.8993 %
Concentration per Run	0.0004 ppm	103.6988 %	104.0991 %	106.3175 %	102.0138 %	103.9220 %	104.3145 %
Concentration RSD	59.2 %	0.5 %	0.1 %	0.4 %	0.6 %	0.2 %	0.6 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: CCV
Analysis started at: 11/26/2025 4:43:08 PM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4935 ppm	0.4866 ppm	0.4648 ppm	0.4963 ppm	0.4935 ppm	0.4994 ppm	0.4969 ppm
Concentration per Run	0.4910 ppm	0.4879 ppm	0.4656 ppm	0.4950 ppm	0.4943 ppm	0.4994 ppm	0.4955 ppm
Concentration per Run	0.4973 ppm	0.4800 ppm	0.4651 ppm	0.4969 ppm	0.4905 ppm	0.4969 ppm	0.4926 ppm
Concentration per Run	0.4922 ppm	0.4920 ppm	0.4638 ppm	0.4971 ppm	0.4958 ppm	0.5017 ppm	0.5027 ppm
Recovery Percentage	98.702 %	97.328 %	92.966 %	99.266 %	98.708 %	99.873 %	99.383 %
Concentration RSD	0.7 %	1.3 %	0.2 %	0.2 %	0.5 %	0.5 %	1.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5049 ppm	0.5106 ppm	0.5016 ppm	0.5081 ppm	0.4975 ppm	5.1862 ppm	0.4898 ppm
Concentration per Run	0.5043 ppm	0.5097 ppm	0.5028 ppm	0.5072 ppm	0.4972 ppm	5.2295 ppm	0.4824 ppm
Concentration per Run	0.5067 ppm	0.5120 ppm	0.5024 ppm	0.5096 ppm	0.4959 ppm	5.1339 ppm	0.4812 ppm
Concentration per Run	0.5038 ppm	0.5102 ppm	0.4996 ppm	0.5075 ppm	0.4994 ppm	5.1952 ppm	0.5059 ppm
Recovery Percentage	100.986 %	102.128 %	100.313 %	101.619 %	99.497 %	103.723 %	97.970 %
Concentration RSD	0.3 %	0.2 %	0.3 %	0.3 %	0.4 %	0.9 %	2.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4983 ppm	0.5037 ppm	0.4908 ppm	10.0437 ppm	0.5122 ppm	0.4941 ppm	0.5121 ppm
Concentration per Run	0.4954 ppm	0.5045 ppm	0.4892 ppm	10.0583 ppm	0.5123 ppm	0.4936 ppm	0.5119 ppm
Concentration per Run	0.4997 ppm	0.5014 ppm	0.4938 ppm	9.9722 ppm	0.5132 ppm	0.4947 ppm	0.5133 ppm
Concentration per Run	0.5000 ppm	0.5053 ppm	0.4895 ppm	10.1006 ppm	0.5112 ppm	0.4938 ppm	0.5112 ppm
Recovery Percentage	99.670 %	100.740 %	98.167 %	100.437 %	102.449 %	98.810 %	102.424 %
Concentration RSD	0.5 %	0.4 %	0.5 %	0.7 %	0.2 %	0.1 %	0.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4779 ppm	5.3342 ppm	0.4958 ppm	0.4844 ppm	0.4967 ppm	0.5035 ppm	0.5044 ppm
Concentration per Run	0.4743 ppm	5.3089 ppm	0.4927 ppm	0.4850 ppm	0.4959 ppm	0.5070 ppm	0.5032 ppm
Concentration per Run	0.4830 ppm	5.3501 ppm	0.4964 ppm	0.4822 ppm	0.4974 ppm	0.5017 ppm	0.5069 ppm
Concentration per Run	0.4764 ppm	5.3437 ppm	0.4983 ppm	0.4860 ppm	0.4967 ppm	0.5017 ppm	0.5030 ppm
Recovery Percentage	95.576 %	101.604 %	99.161 %	96.883 %	99.330 %	100.695 %	100.879 %
Concentration RSD	0.9 %	0.4 %	0.6 %	0.4 %	0.2 %	0.6 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5093 ppm	103.1691 %	103.5782 %	103.9692 %	100.8534 %	102.3964 %	102.1455 %
Concentration per Run	0.5073 ppm	103.4540 %	102.9776 %	103.9487 %	101.0449 %	101.8456 %	102.2384 %
Concentration per Run	0.5124 ppm	102.6933 %	104.3772 %	103.9413 %	100.5072 %	102.7007 %	101.8732 %
Concentration per Run	0.5083 ppm	103.3601 %	103.3798 %	104.0175 %	101.0080 %	102.6429 %	102.3250 %
Recovery Percentage	101.868 %						
Concentration RSD	0.5 %	0.4 %	0.7 %	0.0 %	0.3 %	0.5 %	0.2 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: CCB
Analysis started at: 11/26/2025 4:45:20 PM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0005 ppm	0.0075 ppm	-0.0011 ppm	0.0019 ppm	-0.0001 ppm	0.0000 ppm	0.0017 ppm
Concentration per Run	-0.0007 ppm	0.0113 ppm	-0.0010 ppm	0.0021 ppm	-0.0002 ppm	0.0001 ppm	0.0013 ppm
Concentration per Run	-0.0003 ppm	0.0009 ppm	-0.0009 ppm	0.0023 ppm	-0.0002 ppm	0.0000 ppm	0.0031 ppm
Concentration per Run	-0.0006 ppm	0.0104 ppm	-0.0015 ppm	0.0011 ppm	-0.0001 ppm	0.0000 ppm	0.0008 ppm
Recovery Percentage	-7.612 %	7.518 %	-22.958 %	6.168 %	-1.303 %	0.758 %	1.730 %
Concentration RSD	33.4 %	77.1 %	29.9 %	34.2 %	53.1 %	140.6 %	69.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0000 ppm	-0.0004 ppm	-0.0001 ppm	0.0010 ppm	0.0029 ppm	-0.0001 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	-0.0005 ppm	-0.0001 ppm	0.0014 ppm	-0.0063 ppm	-0.0007 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	-0.0006 ppm	-0.0001 ppm	0.0018 ppm	0.0103 ppm	0.0014 ppm
Concentration per Run	0.0001 ppm	-0.0003 ppm	-0.0001 ppm	0.0000 ppm	-0.0001 ppm	0.0045 ppm	-0.0011 ppm
Recovery Percentage	1.253 %	-0.232 %	-4.045 %	-0.675 %	2.032 %	0.114 %	-2.874 %
Concentration RSD	78.7 %	484.6 %	58.5 %	114.1 %	100.0 %	295.2 %	913.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0004 ppm	-0.0001 ppm	0.0003 ppm	0.0119 ppm	0.0003 ppm	0.0002 ppm	0.0012 ppm
Concentration per Run	-0.0029 ppm	0.0000 ppm	0.0010 ppm	0.0154 ppm	0.0007 ppm	0.0013 ppm	-0.0011 ppm
Concentration per Run	0.0028 ppm	0.0000 ppm	-0.0003 ppm	0.0109 ppm	0.0005 ppm	0.0004 ppm	0.0003 ppm
Concentration per Run	-0.0013 ppm	-0.0003 ppm	0.0003 ppm	0.0093 ppm	-0.0003 ppm	-0.0010 ppm	0.0044 ppm
Recovery Percentage	-0.442 %	-1.083 %	0.643 %	0.593 %	1.112 %	2.474 %	2.351 %
Concentration RSD	670.8 %	183.7 %	189.8 %	26.9 %	183.7 %	477.5 %	245.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0004 ppm	0.0003 ppm	0.0007 ppm	0.0000 ppm	0.0002 ppm	0.0008 ppm	0.0001 ppm
Concentration per Run	0.0025 ppm	0.0001 ppm	0.0009 ppm	0.0000 ppm	0.0000 ppm	0.0004 ppm	0.0002 ppm
Concentration per Run	0.0004 ppm	-0.0004 ppm	0.0005 ppm	0.0000 ppm	0.0003 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run	-0.0016 ppm	0.0011 ppm	0.0007 ppm	0.0000 ppm	0.0003 ppm	0.0014 ppm	0.0001 ppm
Recovery Percentage	4.255 %	0.057 %	1.358 %	-0.065 %	1.856 %	3.754 %	0.997 %
Concentration RSD	480.2 %	268.4 %	25.3 %	170.2 %	86.0 %	78.1 %	55.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0000 ppm	101.5293 %	101.2059 %	103.1041 %	101.3108 %	101.9690 %	102.4270 %
Concentration per Run	-0.0003 ppm	101.2395 %	102.2309 %	103.2777 %	101.1250 %	103.0631 %	102.8603 %
Concentration per Run	-0.0001 ppm	101.6969 %	99.5953 %	102.5210 %	101.5444 %	100.9352 %	101.6513 %
Concentration per Run	0.0003 ppm	101.6516 %	101.7914 %	103.5137 %	101.2631 %	101.9086 %	102.7695 %
Recovery Percentage	-0.985 %						
Concentration RSD	571.0 %	0.2 %	1.4 %	0.5 %	0.2 %	1.0 %	0.7 %

ICP DataTrace 11

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LabBook: WG2146815_11262025T11.imexp

Sample: WG2142906-1 WG2142906
Analysis started at: 11/26/2025 4:50:22 PM
Comment <Comment>
Rack Number 2
Vial Numbers 40

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0004 ppm	0.0086 ppm	-0.0005 ppm	0.0003 ppm	-0.0001 ppm	0.0000 ppm	0.0007 ppm
Concentration per Run	-0.0011 ppm	0.0092 ppm	-0.0011 ppm	0.0006 ppm	-0.0001 ppm	0.0000 ppm	-0.0026 ppm
Concentration per Run	0.0001 ppm	0.0076 ppm	0.0009 ppm	0.0018 ppm	-0.0003 ppm	0.0001 ppm	0.0001 ppm
Concentration per Run	-0.0002 ppm	0.0091 ppm	-0.0013 ppm	-0.0013 ppm	0.0000 ppm	0.0000 ppm	0.0045 ppm
Recovery Percentage	-6.215 %	8.638 %	-10.007 %	1.159 %	-1.318 %	0.616 %	0.656 %
Concentration RSD	143.4 %	10.5 %	246.5 %	446.9 %	96.7 %	111.2 %	544.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0005 ppm	-0.0002 ppm	0.0005 ppm	0.0018 ppm	-0.0114 ppm	-0.0005 ppm
Concentration per Run	0.0001 ppm	-0.0003 ppm	-0.0002 ppm	0.0003 ppm	0.0018 ppm	-0.0285 ppm	-0.0005 ppm
Concentration per Run	0.0002 ppm	-0.0007 ppm	-0.0002 ppm	0.0008 ppm	0.0024 ppm	-0.0161 ppm	-0.0026 ppm
Concentration per Run	0.0002 ppm	-0.0007 ppm	-0.0002 ppm	0.0002 ppm	0.0013 ppm	0.0104 ppm	0.0017 ppm
Recovery Percentage	2.863 %	-2.669 %	-2.356 %	4.503 %	3.615 %	-0.456 %	-9.164 %
Concentration RSD	32.5 %	44.2 %	7.4 %	77.0 %	31.8 %	174.6 %	462.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0005 ppm	0.0004 ppm	0.0000 ppm	0.0053 ppm	0.0005 ppm	-0.0001 ppm	0.0016 ppm
Concentration per Run	-0.0002 ppm	0.0006 ppm	-0.0001 ppm	0.0112 ppm	0.0007 ppm	-0.0001 ppm	0.0006 ppm
Concentration per Run	0.0013 ppm	0.0004 ppm	-0.0001 ppm	0.0022 ppm	0.0003 ppm	-0.0001 ppm	0.0024 ppm
Concentration per Run	0.0003 ppm	0.0003 ppm	0.0001 ppm	0.0024 ppm	0.0003 ppm	0.0000 ppm	0.0017 ppm
Recovery Percentage	0.473 %	4.237 %	-0.007 %	0.263 %	1.803 %	-0.565 %	3.141 %
Concentration RSD	164.9 %	32.0 %	2,459.8 %	98.5 %	47.7 %	47.8 %	55.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0011 ppm	0.0047 ppm	-0.0008 ppm	-0.0001 ppm	-0.0001 ppm	0.0009 ppm	0.0001 ppm
Concentration per Run	0.0036 ppm	0.0040 ppm	-0.0011 ppm	-0.0001 ppm	-0.0002 ppm	-0.0010 ppm	0.0003 ppm
Concentration per Run	-0.0004 ppm	0.0069 ppm	-0.0012 ppm	-0.0001 ppm	-0.0002 ppm	0.0019 ppm	-0.0001 ppm
Concentration per Run	0.0003 ppm	0.0032 ppm	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0017 ppm	0.0002 ppm
Recovery Percentage	11.478 %	0.943 %	-1.573 %	-0.712 %	-0.943 %	4.382 %	1.446 %
Concentration RSD	188.1 %	41.8 %	84.5 %	83.6 %	196.5 %	185.1 %	133.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0001 ppm	102.9310 %	103.4756 %	105.2995 %	103.7937 %	104.4616 %	104.5343 %
Concentration per Run	0.0000 ppm	103.0630 %	102.9579 %	105.2344 %	104.3892 %	104.4317 %	104.5714 %
Concentration per Run	0.0001 ppm	102.2929 %	103.9507 %	105.9709 %	103.1212 %	104.8038 %	105.1262 %
Concentration per Run	0.0002 ppm	103.4373 %	103.5182 %	104.6933 %	103.8707 %	104.1495 %	103.9051 %
Recovery Percentage	2.382 %						
Concentration RSD	96.1 %	0.6 %	0.5 %	0.6 %	0.6 %	0.3 %	0.6 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2571998-05 WG2142906
Analysis started at: 11/26/2025 4:52:33 PM
Comment <Comment>
Rack Number 2
Vial Numbers 55

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	0.0136 ppm	0.0196 ppm	0.6057 ppm	0.1635 ppm	0.0000 ppm	60.1831 ppm
Concentration per Run	-0.0001 ppm	0.0113 ppm	0.0210 ppm	0.6012 ppm	0.1644 ppm	0.0000 ppm	60.4145 ppm
Concentration per Run	-0.0004 ppm	0.0162 ppm	0.0195 ppm	0.6101 ppm	0.1629 ppm	0.0000 ppm	59.8801 ppm
Concentration per Run	-0.0002 ppm	0.0133 ppm	0.0184 ppm	0.6059 ppm	0.1633 ppm	0.0000 ppm	60.2546 ppm
Concentration RSD	75.5 %	18.2 %	6.8 %	0.7 %	0.5 %	39.2 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0055 ppm	0.0002 ppm	0.0015 ppm	30.8415 ppm	20.6116 ppm	0.0028 ppm
Concentration per Run	0.0002 ppm	0.0058 ppm	0.0002 ppm	0.0018 ppm	31.0754 ppm	20.6686 ppm	0.0017 ppm
Concentration per Run	0.0002 ppm	0.0056 ppm	-0.0003 ppm	0.0010 ppm	30.7008 ppm	20.5897 ppm	0.0024 ppm
Concentration per Run	0.0001 ppm	0.0050 ppm	0.0007 ppm	0.0016 ppm	30.7483 ppm	20.5764 ppm	0.0043 ppm
Concentration RSD	28.1 %	8.3 %	252.1 %	29.2 %	0.7 %	0.2 %	48.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	12.0066 ppm	1.0337 ppm	0.0002 ppm	81.8341 ppm	0.0040 ppm	-0.0011 ppm	0.0008 ppm
Concentration per Run	11.9836 ppm	1.0405 ppm	0.0005 ppm	82.1777 ppm	0.0041 ppm	-0.0017 ppm	-0.0003 ppm
Concentration per Run	12.0183 ppm	1.0280 ppm	0.0001 ppm	81.6180 ppm	0.0045 ppm	-0.0009 ppm	0.0019 ppm
Concentration per Run	12.0177 ppm	1.0326 ppm	0.0001 ppm	81.7067 ppm	0.0036 ppm	-0.0006 ppm	0.0007 ppm
Concentration RSD	0.2 %	0.6 %	91.6 %	0.4 %	11.0 %	54.6 %	146.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0017 ppm	7.7395 ppm	0.0002 ppm	0.2129 ppm	0.0001 ppm	0.0017 ppm	0.0007 ppm
Concentration per Run	-0.0005 ppm	7.7395 ppm	0.0011 ppm	0.2138 ppm	0.0004 ppm	0.0021 ppm	0.0003 ppm
Concentration per Run	0.0028 ppm	7.7466 ppm	-0.0005 ppm	0.2125 ppm	0.0000 ppm	0.0010 ppm	0.0009 ppm
Concentration per Run	0.0028 ppm	7.7323 ppm	0.0000 ppm	0.2123 ppm	-0.0002 ppm	0.0019 ppm	0.0008 ppm
Concentration RSD	114.3 %	0.1 %	363.6 %	0.4 %	312.4 %	33.8 %	45.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0014 ppm	100.8318 %	105.2633 %	98.0788 %	98.7272 %	103.4199 %	99.5349 %
Concentration per Run	0.0016 ppm	101.5883 %	104.8792 %	97.8165 %	99.5920 %	103.5705 %	99.3826 %
Concentration per Run	0.0009 ppm	100.3270 %	105.4941 %	98.3786 %	98.6019 %	103.1440 %	99.7366 %
Concentration per Run	0.0016 ppm	100.5801 %	105.4165 %	98.0412 %	97.9876 %	103.5451 %	99.4853 %
Concentration RSD	31.5 %	0.7 %	0.3 %	0.3 %	0.8 %	0.2 %	0.2 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2571998-07 WG2142906
Analysis started at: 11/26/2025 4:54:43 PM
Comment <Comment>
Rack Number 2
Vial Numbers 56

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0004 ppm	0.0026 ppm	0.0859 ppm	0.4938 ppm	0.2422 ppm	0.0000 ppm	108.2587 ppm
Concentration per Run	0.0006 ppm	0.0036 ppm	0.0871 ppm	0.4921 ppm	0.2419 ppm	0.0000 ppm	108.1903 ppm
Concentration per Run	0.0002 ppm	0.0042 ppm	0.0861 ppm	0.4993 ppm	0.2420 ppm	0.0000 ppm	108.3356 ppm
Concentration per Run	0.0004 ppm	0.0001 ppm	0.0845 ppm	0.4899 ppm	0.2427 ppm	0.0000 ppm	108.2500 ppm
Concentration RSD	48.0 %	83.2 %	1.6 %	1.0 %	0.2 %	59.6 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0003 ppm	0.0955 ppm	-0.0003 ppm	0.0028 ppm	103.4526 ppm	12.4622 ppm	0.0090 ppm
Concentration per Run	0.0002 ppm	0.0957 ppm	-0.0001 ppm	0.0023 ppm	103.4551 ppm	12.4297 ppm	0.0101 ppm
Concentration per Run	0.0003 ppm	0.0962 ppm	-0.0007 ppm	0.0030 ppm	103.2490 ppm	12.4988 ppm	0.0097 ppm
Concentration per Run	0.0003 ppm	0.0946 ppm	-0.0001 ppm	0.0030 ppm	103.6536 ppm	12.4583 ppm	0.0073 ppm
Concentration RSD	19.6 %	0.8 %	118.3 %	14.7 %	0.2 %	0.3 %	16.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	24.2709 ppm	2.5889 ppm	0.0009 ppm	129.4744 ppm	0.0099 ppm	-0.0020 ppm	-0.0024 ppm
Concentration per Run	24.3574 ppm	2.5829 ppm	0.0007 ppm	129.6349 ppm	0.0100 ppm	-0.0010 ppm	-0.0035 ppm
Concentration per Run	24.2330 ppm	2.5948 ppm	0.0011 ppm	129.7435 ppm	0.0097 ppm	-0.0010 ppm	-0.0024 ppm
Concentration per Run	24.2224 ppm	2.5889 ppm	0.0007 ppm	129.0449 ppm	0.0099 ppm	-0.0039 ppm	-0.0013 ppm
Concentration RSD	0.3 %	0.2 %	27.6 %	0.3 %	1.4 %	83.2 %	45.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0009 ppm	16.9290 ppm	-0.0005 ppm	0.7542 ppm	0.0001 ppm	0.0013 ppm	-0.0010 ppm
Concentration per Run	0.0006 ppm	16.9896 ppm	0.0002 ppm	0.7540 ppm	0.0000 ppm	0.0005 ppm	-0.0011 ppm
Concentration per Run	0.0013 ppm	16.8985 ppm	-0.0013 ppm	0.7528 ppm	0.0002 ppm	0.0020 ppm	-0.0008 ppm
Concentration per Run	0.0008 ppm	16.8989 ppm	-0.0006 ppm	0.7558 ppm	0.0000 ppm	0.0013 ppm	-0.0012 ppm
Concentration RSD	42.8 %	0.3 %	132.9 %	0.2 %	191.9 %	60.7 %	18.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0012 ppm	98.5760 %	103.7637 %	94.0493 %	95.8885 %	102.3802 %	97.3629 %
Concentration per Run	0.0013 ppm	98.6991 %	104.5579 %	93.8423 %	96.1759 %	103.1745 %	97.2614 %
Concentration per Run	0.0010 ppm	98.0071 %	103.1843 %	93.8463 %	95.3166 %	101.8631 %	97.1942 %
Concentration per Run	0.0013 ppm	99.0216 %	103.5489 %	94.4593 %	96.1729 %	102.1029 %	97.6331 %
Concentration RSD	11.2 %	0.5 %	0.7 %	0.4 %	0.5 %	0.7 %	0.2 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2571999-01 WG2142906
Analysis started at: 11/26/2025 4:56:54 PM
Comment <Comment>
Rack Number 2
Vial Numbers 57

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0003 ppm	0.0249 ppm	0.0013 ppm	0.0162 ppm	0.0791 ppm	0.0002 ppm	133.7139 ppm
Concentration per Run	-0.0005 ppm	0.0256 ppm	0.0023 ppm	0.0146 ppm	0.0793 ppm	0.0002 ppm	133.8983 ppm
Concentration per Run	-0.0006 ppm	0.0153 ppm	0.0019 ppm	0.0156 ppm	0.0790 ppm	0.0001 ppm	133.6239 ppm
Concentration per Run	0.0001 ppm	0.0337 ppm	-0.0003 ppm	0.0183 ppm	0.0790 ppm	0.0002 ppm	133.6194 ppm
Concentration RSD	114.3 %	37.1 %	106.5 %	11.7 %	0.2 %	25.3 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0011 ppm	0.0001 ppm	0.0008 ppm	0.8944 ppm	3.7882 ppm	0.0375 ppm
Concentration per Run	0.0001 ppm	0.0010 ppm	0.0000 ppm	0.0009 ppm	0.8987 ppm	3.8372 ppm	0.0399 ppm
Concentration per Run	0.0000 ppm	0.0008 ppm	0.0004 ppm	0.0006 ppm	0.8900 ppm	3.7601 ppm	0.0365 ppm
Concentration per Run	0.0000 ppm	0.0015 ppm	-0.0001 ppm	0.0009 ppm	0.8945 ppm	3.7672 ppm	0.0362 ppm
Concentration RSD	260.9 %	30.3 %	286.5 %	19.9 %	0.5 %	1.1 %	5.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	17.0798 ppm	5.9213 ppm	0.0046 ppm	269.5188 ppm	0.0018 ppm	-0.0008 ppm	-0.0001 ppm
Concentration per Run	17.1721 ppm	5.9411 ppm	0.0048 ppm	270.7366 ppm	0.0018 ppm	-0.0006 ppm	-0.0021 ppm
Concentration per Run	17.0755 ppm	5.9175 ppm	0.0043 ppm	269.0553 ppm	0.0021 ppm	-0.0014 ppm	-0.0020 ppm
Concentration per Run	16.9917 ppm	5.9054 ppm	0.0045 ppm	268.7646 ppm	0.0015 ppm	-0.0003 ppm	0.0038 ppm
Concentration RSD	0.5 %	0.3 %	5.3 %	0.4 %	15.4 %	73.4 %	3,533.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0010 ppm	8.3833 ppm	-0.0004 ppm	0.5564 ppm	0.0003 ppm	0.0016 ppm	-0.0004 ppm
Concentration per Run	-0.0013 ppm	8.3700 ppm	0.0001 ppm	0.5584 ppm	0.0000 ppm	0.0012 ppm	-0.0005 ppm
Concentration per Run	0.0022 ppm	8.3753 ppm	-0.0017 ppm	0.5576 ppm	0.0005 ppm	0.0005 ppm	-0.0004 ppm
Concentration per Run	0.0022 ppm	8.4045 ppm	0.0003 ppm	0.5532 ppm	0.0004 ppm	0.0030 ppm	-0.0003 ppm
Concentration RSD	194.6 %	0.2 %	261.3 %	0.5 %	87.9 %	80.7 %	29.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0033 ppm	96.3610 %	102.6774 %	92.3626 %	94.1612 %	101.0780 %	96.0293 %
Concentration per Run	0.0033 ppm	96.4367 %	102.8224 %	92.2883 %	94.2277 %	101.4811 %	95.9759 %
Concentration per Run	0.0033 ppm	95.8499 %	102.5087 %	92.1939 %	93.3116 %	100.7462 %	95.9547 %
Concentration per Run	0.0033 ppm	96.7964 %	102.7013 %	92.6057 %	94.9442 %	101.0067 %	96.1572 %
Concentration RSD	0.3 %	0.5 %	0.2 %	0.2 %	0.9 %	0.4 %	0.1 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2572318-01 WG2142906
Analysis started at: 11/26/2025 4:59:05 PM
Comment <Comment>
Rack Number 2
Vial Numbers 47

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0008 ppm	0.0134 ppm	-0.0007 ppm	0.0240 ppm	0.0462 ppm	0.0000 ppm	7.6006 ppm
Concentration per Run	-0.0008 ppm	0.0017 ppm	0.0006 ppm	0.0226 ppm	0.0465 ppm	0.0001 ppm	7.6510 ppm
Concentration per Run	-0.0004 ppm	0.0270 ppm	-0.0017 ppm	0.0240 ppm	0.0462 ppm	0.0000 ppm	7.5763 ppm
Concentration per Run	-0.0011 ppm	0.0114 ppm	-0.0009 ppm	0.0253 ppm	0.0460 ppm	0.0000 ppm	7.5746 ppm
Concentration RSD	44.2 %	95.4 %	167.3 %	5.6 %	0.5 %	43.8 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0001 ppm	0.0001 ppm	0.0011 ppm	0.0913 ppm	2.9925 ppm	0.0015 ppm
Concentration per Run	0.0001 ppm	0.0004 ppm	-0.0002 ppm	0.0012 ppm	0.0908 ppm	3.0194 ppm	0.0011 ppm
Concentration per Run	0.0001 ppm	-0.0008 ppm	0.0002 ppm	0.0009 ppm	0.0915 ppm	2.9977 ppm	0.0022 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	0.0002 ppm	0.0011 ppm	0.0917 ppm	2.9603 ppm	0.0011 ppm
Concentration RSD	80.2 %	514.5 %	356.6 %	12.6 %	0.5 %	1.0 %	43.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	1.8344 ppm	0.0044 ppm	0.0001 ppm	34.3762 ppm	0.0013 ppm	-0.0003 ppm	0.0012 ppm
Concentration per Run	1.8384 ppm	0.0044 ppm	0.0001 ppm	34.5284 ppm	0.0015 ppm	-0.0010 ppm	0.0008 ppm
Concentration per Run	1.8334 ppm	0.0043 ppm	-0.0001 ppm	34.3747 ppm	0.0014 ppm	0.0004 ppm	0.0028 ppm
Concentration per Run	1.8314 ppm	0.0044 ppm	0.0003 ppm	34.2256 ppm	0.0011 ppm	-0.0003 ppm	0.0001 ppm
Concentration RSD	0.2 %	1.3 %	176.4 %	0.4 %	12.7 %	212.2 %	116.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0019 ppm	5.2931 ppm	-0.0013 ppm	0.0432 ppm	-0.0006 ppm	0.0008 ppm	0.0003 ppm
Concentration per Run	0.0026 ppm	5.2944 ppm	-0.0005 ppm	0.0436 ppm	-0.0003 ppm	0.0011 ppm	0.0001 ppm
Concentration per Run	0.0028 ppm	5.2956 ppm	-0.0024 ppm	0.0431 ppm	-0.0005 ppm	0.0011 ppm	0.0006 ppm
Concentration per Run	0.0003 ppm	5.2894 ppm	-0.0010 ppm	0.0429 ppm	-0.0009 ppm	0.0000 ppm	0.0003 ppm
Concentration RSD	72.3 %	0.1 %	74.3 %	0.8 %	48.5 %	83.0 %	78.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0020 ppm	103.1675 %	104.9361 %	102.9440 %	101.1118 %	103.7772 %	101.8976 %
Concentration per Run	0.0019 ppm	103.1903 %	104.1095 %	103.5899 %	100.9812 %	103.5940 %	102.4510 %
Concentration per Run	0.0019 ppm	103.0195 %	105.0760 %	102.7388 %	101.1895 %	103.4982 %	101.6614 %
Concentration per Run	0.0021 ppm	103.2927 %	105.6228 %	102.5035 %	101.1646 %	104.2395 %	101.5804 %
Concentration RSD	6.6 %	0.1 %	0.7 %	0.6 %	0.1 %	0.4 %	0.5 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2142906-7 WG2142906
Analysis started at: 11/26/2025 5:01:15 PM
Comment <Comment>
Rack Number 2
Vial Numbers 48

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0488 ppm	2.0275 ppm	0.1204 ppm	1.0479 ppm	2.0218 ppm	0.0506 ppm	17.5761 ppm
Concentration per Run	0.0485 ppm	2.0292 ppm	0.1209 ppm	1.0429 ppm	2.0102 ppm	0.0503 ppm	17.5826 ppm
Concentration per Run	0.0491 ppm	2.0139 ppm	0.1199 ppm	1.0560 ppm	2.0199 ppm	0.0506 ppm	17.5053 ppm
Concentration per Run	0.0489 ppm	2.0395 ppm	0.1203 ppm	1.0449 ppm	2.0352 ppm	0.0507 ppm	17.6405 ppm
Concentration RSD	0.6 %	0.6 %	0.4 %	0.7 %	0.6 %	0.5 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0535 ppm	0.4949 ppm	0.1972 ppm	0.2499 ppm	1.0830 ppm	13.2637 ppm	0.0005 ppm
Concentration per Run	0.0533 ppm	0.4942 ppm	0.1958 ppm	0.2488 ppm	1.0782 ppm	13.1860 ppm	0.0005 ppm
Concentration per Run	0.0535 ppm	0.4967 ppm	0.1989 ppm	0.2511 ppm	1.0800 ppm	13.2430 ppm	0.0000 ppm
Concentration per Run	0.0536 ppm	0.4939 ppm	0.1969 ppm	0.2497 ppm	1.0906 ppm	13.3621 ppm	0.0009 ppm
Concentration RSD	0.4 %	0.3 %	0.8 %	0.5 %	0.6 %	0.7 %	105.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	11.7325 ppm	0.5009 ppm	1.0135 ppm	43.5725 ppm	0.5031 ppm	0.5116 ppm	0.4874 ppm
Concentration per Run	11.7384 ppm	0.4994 ppm	1.0083 ppm	43.3401 ppm	0.5010 ppm	0.5136 ppm	0.4870 ppm
Concentration per Run	11.7374 ppm	0.4992 ppm	1.0183 ppm	43.3569 ppm	0.5040 ppm	0.5099 ppm	0.4873 ppm
Concentration per Run	11.7218 ppm	0.5042 ppm	1.0140 ppm	44.0205 ppm	0.5042 ppm	0.5112 ppm	0.4880 ppm
Concentration RSD	0.1 %	0.6 %	0.5 %	0.9 %	0.4 %	0.4 %	0.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1194 ppm	6.3794 ppm	0.9896 ppm	0.9938 ppm	1.0085 ppm	0.1203 ppm	0.5128 ppm
Concentration per Run	0.1206 ppm	6.3651 ppm	0.9843 ppm	0.9877 ppm	1.0078 ppm	0.1218 ppm	0.5107 ppm
Concentration per Run	0.1199 ppm	6.3992 ppm	0.9942 ppm	0.9930 ppm	1.0090 ppm	0.1191 ppm	0.5151 ppm
Concentration per Run	0.1177 ppm	6.3739 ppm	0.9905 ppm	1.0006 ppm	1.0087 ppm	0.1201 ppm	0.5125 ppm
Concentration RSD	1.3 %	0.3 %	0.5 %	0.7 %	0.1 %	1.1 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5123 ppm	102.5143 %	104.6949 %	101.1799 %	100.0313 %	103.0094 %	101.0996 %
Concentration per Run	0.5099 ppm	102.9426 %	105.3375 %	100.9847 %	100.3381 %	103.0899 %	101.2329 %
Concentration per Run	0.5136 ppm	102.2307 %	105.3096 %	101.0007 %	99.7037 %	103.4467 %	100.8698 %
Concentration per Run	0.5135 ppm	102.3695 %	103.4376 %	101.5543 %	100.0522 %	102.4914 %	101.1962 %
Concentration RSD	0.4 %	0.4 %	1.0 %	0.3 %	0.3 %	0.5 %	0.2 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2142906-8 WG2142906
Analysis started at: 11/26/2025 5:03:25 PM
Comment <Comment>
Rack Number 2
Vial Numbers 49

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0489 ppm	2.0162 ppm	0.1199 ppm	1.0548 ppm	2.0164 ppm	0.0503 ppm	17.5596 ppm
Concentration per Run	0.0490 ppm	2.0189 ppm	0.1168 ppm	1.0544 ppm	2.0153 ppm	0.0502 ppm	17.5612 ppm
Concentration per Run	0.0490 ppm	2.0195 ppm	0.1212 ppm	1.0534 ppm	2.0233 ppm	0.0503 ppm	17.5746 ppm
Concentration per Run	0.0488 ppm	2.0101 ppm	0.1216 ppm	1.0565 ppm	2.0107 ppm	0.0502 ppm	17.5431 ppm
Concentration RSD	0.3 %	0.3 %	2.2 %	0.1 %	0.3 %	0.2 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0533 ppm	0.4937 ppm	0.1985 ppm	0.2502 ppm	1.0799 ppm	13.3064 ppm	0.0021 ppm
Concentration per Run	0.0535 ppm	0.4940 ppm	0.1991 ppm	0.2498 ppm	1.0792 ppm	13.2896 ppm	0.0013 ppm
Concentration per Run	0.0533 ppm	0.4938 ppm	0.1984 ppm	0.2509 ppm	1.0826 ppm	13.3221 ppm	0.0039 ppm
Concentration per Run	0.0532 ppm	0.4932 ppm	0.1981 ppm	0.2501 ppm	1.0780 ppm	13.3076 ppm	0.0013 ppm
Concentration RSD	0.3 %	0.1 %	0.3 %	0.2 %	0.2 %	0.1 %	68.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	11.7637 ppm	0.4982 ppm	1.0193 ppm	43.4669 ppm	0.5005 ppm	0.5143 ppm	0.4845 ppm
Concentration per Run	11.7969 ppm	0.4990 ppm	1.0178 ppm	43.4386 ppm	0.5027 ppm	0.5154 ppm	0.4811 ppm
Concentration per Run	11.7324 ppm	0.4981 ppm	1.0185 ppm	43.6341 ppm	0.4985 ppm	0.5139 ppm	0.4872 ppm
Concentration per Run	11.7618 ppm	0.4975 ppm	1.0218 ppm	43.3280 ppm	0.5003 ppm	0.5137 ppm	0.4852 ppm
Concentration RSD	0.3 %	0.2 %	0.2 %	0.4 %	0.4 %	0.2 %	0.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1207 ppm	6.3835 ppm	0.9947 ppm	0.9969 ppm	1.0127 ppm	0.1214 ppm	0.5127 ppm
Concentration per Run	0.1180 ppm	6.3826 ppm	0.9991 ppm	0.9954 ppm	1.0187 ppm	0.1194 ppm	0.5128 ppm
Concentration per Run	0.1222 ppm	6.3637 ppm	0.9923 ppm	1.0006 ppm	1.0069 ppm	0.1215 ppm	0.5118 ppm
Concentration per Run	0.1218 ppm	6.4041 ppm	0.9926 ppm	0.9948 ppm	1.0125 ppm	0.1233 ppm	0.5134 ppm
Concentration RSD	1.9 %	0.3 %	0.4 %	0.3 %	0.6 %	1.6 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5131 ppm	102.4491 %	104.8307 %	101.5011 %	100.0816 %	102.8843 %	101.5123 %
Concentration per Run	0.5136 ppm	102.3728 %	104.5447 %	101.2466 %	100.0321 %	102.5552 %	101.1019 %
Concentration per Run	0.5150 ppm	102.5350 %	104.9418 %	101.7481 %	100.5190 %	103.1228 %	101.7783 %
Concentration per Run	0.5106 ppm	102.4395 %	105.0057 %	101.5087 %	99.6938 %	102.9749 %	101.6566 %
Concentration RSD	0.4 %	0.1 %	0.2 %	0.2 %	0.4 %	0.3 %	0.4 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2142906-9 WG2142906
Analysis started at: 11/26/2025 5:05:36 PM
Comment <Comment>
Rack Number 2
Vial Numbers 50

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0220 ppm	2.1680 ppm	0.1227 ppm	1.0621 ppm	2.1460 ppm	0.0537 ppm	17.7324 ppm
Concentration per Run	0.0220 ppm	2.1657 ppm	0.1194 ppm	1.0643 ppm	2.1467 ppm	0.0537 ppm	17.7586 ppm
Concentration per Run	0.0222 ppm	2.1732 ppm	0.1251 ppm	1.0622 ppm	2.1477 ppm	0.0538 ppm	17.7202 ppm
Concentration per Run	0.0219 ppm	2.1652 ppm	0.1236 ppm	1.0597 ppm	2.1436 ppm	0.0536 ppm	17.7184 ppm
Concentration RSD	0.8 %	0.2 %	2.4 %	0.2 %	0.1 %	0.2 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0553 ppm	0.5293 ppm	0.2122 ppm	0.2673 ppm	1.1514 ppm	13.6948 ppm	0.0011 ppm
Concentration per Run	0.0551 ppm	0.5312 ppm	0.2118 ppm	0.2681 ppm	1.1527 ppm	13.6803 ppm	0.0014 ppm
Concentration per Run	0.0554 ppm	0.5286 ppm	0.2126 ppm	0.2673 ppm	1.1553 ppm	13.7233 ppm	-0.0004 ppm
Concentration per Run	0.0554 ppm	0.5281 ppm	0.2121 ppm	0.2665 ppm	1.1463 ppm	13.6808 ppm	0.0021 ppm
Concentration RSD	0.3 %	0.3 %	0.2 %	0.3 %	0.4 %	0.2 %	122.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	11.9027 ppm	0.5328 ppm	1.0241 ppm	43.3629 ppm	0.5354 ppm	0.5401 ppm	0.4886 ppm
Concentration per Run	11.9600 ppm	0.5317 ppm	1.0294 ppm	43.2917 ppm	0.5359 ppm	0.5391 ppm	0.4807 ppm
Concentration per Run	11.8583 ppm	0.5337 ppm	1.0223 ppm	43.4077 ppm	0.5367 ppm	0.5424 ppm	0.4919 ppm
Concentration per Run	11.8897 ppm	0.5331 ppm	1.0207 ppm	43.3894 ppm	0.5338 ppm	0.5388 ppm	0.4932 ppm
Concentration RSD	0.4 %	0.2 %	0.4 %	0.1 %	0.3 %	0.4 %	1.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1250 ppm	6.7351 ppm	1.0292 [SIC 50]	1.0224 ppm	1.0379 ppm	0.1247 ppm	0.5478 ppm
Concentration per Run	0.1273 ppm	6.7549 ppm	1.0335 ppm	1.0233 ppm	1.0424 ppm	0.1256 ppm	0.5477 ppm
Concentration per Run	0.1287 ppm	6.7272 ppm	1.0302 ppm	1.0222 ppm	1.0314 ppm	0.1244 ppm	0.5484 ppm
Concentration per Run	0.1189 ppm	6.7233 ppm	1.0238 ppm	1.0217 ppm	1.0399 ppm	0.1240 ppm	0.5472 ppm
Concentration RSD	4.2 %	0.3 %	0.5 %	0.1 %	0.6 %	0.7 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5485 ppm	101.8910 %	105.1289 %	100.4541 %	99.5243 %	103.3544 %	100.4123 %
Concentration per Run	0.5495 ppm	101.8691 %	105.6176 %	100.7047 %	99.6957 %	103.7926 %	100.6164 %
Concentration per Run	0.5477 ppm	101.6309 %	104.8129 %	99.5473 %	99.0250 %	103.1817 %	99.7813 %
Concentration per Run	0.5483 ppm	102.1729 %	104.9561 %	101.1104 %	99.8522 %	103.0890 %	100.8392 %
Concentration RSD	0.2 %	0.3 %	0.4 %	0.8 %	0.4 %	0.4 %	0.6 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2142906-10d5 WG2142906
Analysis started at: 11/26/2025 5:07:46 PM
Comment <Comment>
Rack Number 2
Vial Numbers 51

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0005 ppm	0.0143 ppm	-0.0019 ppm	0.0059 ppm	0.0092 ppm	0.0000 ppm	1.5090 ppm
Concentration per Run	0.0000 ppm	0.0133 ppm	-0.0022 ppm	0.0054 ppm	0.0091 ppm	0.0000 ppm	1.5144 ppm
Concentration per Run	-0.0009 ppm	0.0174 ppm	-0.0015 ppm	0.0075 ppm	0.0091 ppm	0.0000 ppm	1.5102 ppm
Concentration per Run	-0.0006 ppm	0.0123 ppm	-0.0019 ppm	0.0047 ppm	0.0092 ppm	0.0000 ppm	1.5024 ppm
Concentration RSD	86.0 %	18.8 %	18.6 %	24.8 %	0.5 %	76.7 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0000 ppm	-0.0003 ppm	0.0002 ppm	0.0200 ppm	0.5988 ppm	0.0009 ppm
Concentration per Run	0.0002 ppm	0.0000 ppm	-0.0010 ppm	0.0007 ppm	0.0213 ppm	0.6227 ppm	0.0035 ppm
Concentration per Run	0.0002 ppm	0.0002 ppm	-0.0004 ppm	-0.0006 ppm	0.0186 ppm	0.5892 ppm	0.0002 ppm
Concentration per Run	0.0001 ppm	-0.0001 ppm	0.0004 ppm	0.0003 ppm	0.0201 ppm	0.5845 ppm	-0.0009 ppm
Concentration RSD	39.6 %	15,052.7 %	219.9 %	452.6 %	6.7 %	3.5 %	249.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.3745 ppm	0.0008 ppm	0.0007 ppm	6.9616 ppm	0.0006 ppm	-0.0003 ppm	0.0049 ppm
Concentration per Run	0.3725 ppm	0.0008 ppm	0.0012 ppm	6.9822 ppm	0.0011 ppm	-0.0011 ppm	0.0053 ppm
Concentration per Run	0.3769 ppm	0.0008 ppm	0.0001 ppm	6.9347 ppm	0.0000 ppm	0.0005 ppm	0.0065 ppm
Concentration per Run	0.3742 ppm	0.0008 ppm	0.0007 ppm	6.9679 ppm	0.0009 ppm	-0.0004 ppm	0.0030 ppm
Concentration RSD	0.6 %	2.0 %	82.4 %	0.3 %	86.2 %	241.5 %	36.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0043 ppm	1.0441 ppm	0.0057 ppm	0.0086 ppm	0.0005 ppm	0.0018 ppm	0.0002 ppm
Concentration per Run	0.0044 ppm	1.0506 ppm	0.0043 ppm	0.0085 ppm	0.0006 ppm	0.0010 ppm	0.0004 ppm
Concentration per Run	0.0037 ppm	1.0419 ppm	0.0065 ppm	0.0086 ppm	0.0004 ppm	0.0026 ppm	0.0002 ppm
Concentration per Run	0.0048 ppm	1.0398 ppm	0.0062 ppm	0.0086 ppm	0.0006 ppm	0.0019 ppm	0.0001 ppm
Concentration RSD	13.2 %	0.6 %	21.2 %	0.9 %	13.4 %	43.9 %	60.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0004 ppm	103.2312 %	103.4858 %	104.6569 %	101.1189 %	102.7025 %	102.2560 %
Concentration per Run	0.0006 ppm	104.1115 %	103.1729 %	105.0600 %	102.0847 %	102.6964 %	102.6284 %
Concentration per Run	0.0004 ppm	102.8201 %	103.6711 %	103.9310 %	100.8173 %	102.6759 %	101.5535 %
Concentration per Run	0.0004 ppm	102.7620 %	103.6136 %	104.9796 %	100.4548 %	102.7352 %	102.5860 %
Concentration RSD	33.7 %	0.7 %	0.3 %	0.6 %	0.8 %	0.0 %	0.6 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: CCV
Analysis started at: 11/26/2025 5:09:57 PM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4894 ppm	0.4801 ppm	0.4629 ppm	0.4912 ppm	0.4891 ppm	0.4956 ppm	0.4909 ppm
Concentration per Run	0.4907 ppm	0.4789 ppm	0.4625 ppm	0.4931 ppm	0.4898 ppm	0.4952 ppm	0.4905 ppm
Concentration per Run	0.4897 ppm	0.4774 ppm	0.4644 ppm	0.4902 ppm	0.4938 ppm	0.4979 ppm	0.4915 ppm
Concentration per Run	0.4877 ppm	0.4840 ppm	0.4618 ppm	0.4903 ppm	0.4838 ppm	0.4938 ppm	0.4905 ppm
Recovery Percentage	97.875 %	96.019 %	92.577 %	98.236 %	97.828 %	99.125 %	98.171 %
Concentration RSD	0.3 %	0.7 %	0.3 %	0.3 %	1.0 %	0.4 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4986 ppm	0.5042 ppm	0.4944 ppm	0.5035 ppm	0.4925 ppm	5.1330 ppm	0.4806 ppm
Concentration per Run	0.5038 ppm	0.5074 ppm	0.5006 ppm	0.5075 ppm	0.4927 ppm	5.1513 ppm	0.4932 ppm
Concentration per Run	0.4975 ppm	0.5040 ppm	0.4929 ppm	0.5020 ppm	0.4958 ppm	5.1657 ppm	0.4871 ppm
Concentration per Run	0.4944 ppm	0.5013 ppm	0.4898 ppm	0.5011 ppm	0.4890 ppm	5.0819 ppm	0.4615 ppm
Recovery Percentage	99.716 %	100.842 %	98.889 %	100.708 %	98.499 %	102.659 %	96.121 %
Concentration RSD	1.0 %	0.6 %	1.1 %	0.7 %	0.7 %	0.9 %	3.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4958 ppm	0.4993 ppm	0.4866 ppm	9.8931 ppm	0.5060 ppm	0.4923 ppm	0.5074 ppm
Concentration per Run	0.4941 ppm	0.4991 ppm	0.4888 ppm	9.8975 ppm	0.5090 ppm	0.4921 ppm	0.5137 ppm
Concentration per Run	0.4961 ppm	0.5022 ppm	0.4870 ppm	9.9860 ppm	0.5058 ppm	0.4917 ppm	0.5049 ppm
Concentration per Run	0.4971 ppm	0.4966 ppm	0.4839 ppm	9.7956 ppm	0.5032 ppm	0.4931 ppm	0.5037 ppm
Recovery Percentage	99.153 %	99.860 %	97.316 %	98.931 %	101.202 %	98.455 %	101.482 %
Concentration RSD	0.3 %	0.6 %	0.5 %	1.0 %	0.6 %	0.1 %	1.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4741 ppm	5.2968 ppm	0.4900 ppm	0.4798 ppm	0.4935 ppm	0.5009 ppm	0.4986 ppm
Concentration per Run	0.4760 ppm	5.3055 ppm	0.4901 ppm	0.4810 ppm	0.4928 ppm	0.4999 ppm	0.5010 ppm
Concentration per Run	0.4752 ppm	5.2979 ppm	0.4937 ppm	0.4835 ppm	0.4950 ppm	0.5011 ppm	0.4985 ppm
Concentration per Run	0.4711 ppm	5.2871 ppm	0.4862 ppm	0.4749 ppm	0.4926 ppm	0.5016 ppm	0.4962 ppm
Recovery Percentage	94.816 %	100.892 %	98.007 %	95.965 %	98.695 %	100.179 %	99.716 %
Concentration RSD	0.6 %	0.2 %	0.8 %	0.9 %	0.3 %	0.2 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5037 ppm	103.4459 %	104.1591 %	103.5857 %	100.7720 %	102.4679 %	101.9484 %
Concentration per Run	0.5089 ppm	102.9069 %	104.4128 %	103.2117 %	100.8082 %	102.8613 %	101.6924 %
Concentration per Run	0.5024 ppm	103.6693 %	104.2170 %	104.4813 %	100.8971 %	103.0905 %	102.7489 %
Concentration per Run	0.4999 ppm	103.7616 %	103.8475 %	103.0639 %	100.6107 %	101.4518 %	101.4038 %
Recovery Percentage	100.748 %						
Concentration RSD	0.9 %	0.5 %	0.3 %	0.8 %	0.1 %	0.9 %	0.7 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: CCB
Analysis started at: 11/26/2025 5:12:07 PM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0003 ppm	0.0094 ppm	-0.0024 ppm	0.0016 ppm	-0.0002 ppm	0.0000 ppm	-0.0008 ppm
Concentration per Run	-0.0004 ppm	0.0068 ppm	-0.0029 ppm	0.0019 ppm	-0.0003 ppm	0.0000 ppm	-0.0025 ppm
Concentration per Run	0.0000 ppm	0.0053 ppm	-0.0020 ppm	0.0027 ppm	-0.0002 ppm	0.0000 ppm	0.0014 ppm
Concentration per Run	-0.0005 ppm	0.0160 ppm	-0.0024 ppm	0.0002 ppm	-0.0002 ppm	0.0000 ppm	-0.0013 ppm
Recovery Percentage	-4.088 %	9.372 %	-48.844 %	5.379 %	-2.292 %	0.128 %	-0.801 %
Concentration RSD	100.0 %	61.5 %	18.3 %	79.6 %	9.9 %	599.7 %	246.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0001 ppm	-0.0004 ppm	-0.0001 ppm	0.0009 ppm	-0.0094 ppm	0.0005 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	-0.0006 ppm	-0.0002 ppm	0.0015 ppm	-0.0097 ppm	0.0016 ppm
Concentration per Run	0.0001 ppm	0.0004 ppm	-0.0003 ppm	0.0000 ppm	0.0007 ppm	-0.0017 ppm	0.0005 ppm
Concentration per Run	0.0001 ppm	-0.0005 ppm	-0.0005 ppm	0.0000 ppm	0.0004 ppm	-0.0167 ppm	-0.0007 ppm
Recovery Percentage	1.555 %	0.322 %	-4.365 %	-0.714 %	1.717 %	-0.375 %	9.253 %
Concentration RSD	61.8 %	709.9 %	35.6 %	192.9 %	61.8 %	79.9 %	255.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0003 ppm	-0.0002 ppm	0.0004 ppm	0.0253 ppm	0.0007 ppm	-0.0008 ppm	0.0008 ppm
Concentration per Run	-0.0004 ppm	-0.0001 ppm	0.0003 ppm	0.0257 ppm	0.0006 ppm	-0.0013 ppm	0.0010 ppm
Concentration per Run	-0.0001 ppm	-0.0002 ppm	0.0005 ppm	0.0265 ppm	0.0013 ppm	-0.0007 ppm	0.0019 ppm
Concentration per Run	-0.0004 ppm	-0.0003 ppm	0.0005 ppm	0.0237 ppm	0.0002 ppm	-0.0004 ppm	-0.0003 ppm
Recovery Percentage	-0.285 %	-1.869 %	0.897 %	1.267 %	2.929 %	-8.050 %	1.669 %
Concentration RSD	54.4 %	44.9 %	24.4 %	5.7 %	76.7 %	57.9 %	134.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0001 ppm	-0.0010 ppm	0.0008 ppm	0.0000 ppm	0.0001 ppm	0.0008 ppm	0.0000 ppm
Concentration per Run	-0.0045 ppm	0.0013 ppm	0.0008 ppm	0.0000 ppm	0.0000 ppm	0.0014 ppm	-0.0001 ppm
Concentration per Run	0.0029 ppm	-0.0025 ppm	0.0012 ppm	-0.0002 ppm	0.0000 ppm	0.0015 ppm	0.0001 ppm
Concentration per Run	0.0017 ppm	-0.0020 ppm	0.0005 ppm	0.0000 ppm	0.0002 ppm	-0.0005 ppm	0.0000 ppm
Recovery Percentage	0.553 %	-0.207 %	1.642 %	-0.399 %	0.780 %	3.916 %	0.124 %
Concentration RSD	7,202.4 %	198.2 %	44.2 %	278.1 %	80.5 %	145.4 %	996.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0000 ppm	101.6937 %	101.7282 %	102.8295 %	101.3809 %	102.1140 %	102.0010 %
Concentration per Run	0.0000 ppm	101.7960 %	101.6017 %	102.7481 %	101.0322 %	102.7636 %	102.2484 %
Concentration per Run	-0.0001 ppm	100.9263 %	101.3435 %	102.9347 %	100.4108 %	101.4301 %	102.0515 %
Concentration per Run	0.0000 ppm	102.3586 %	102.2394 %	102.8057 %	102.6998 %	102.1483 %	101.7033 %
Recovery Percentage	-0.285 %						
Concentration RSD	389.0 %	0.7 %	0.5 %	0.1 %	1.2 %	0.7 %	0.3 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2571999-02 WG2142906
Analysis started at: 11/26/2025 5:22:57 PM
Comment <Comment>
Rack Number 2
Vial Numbers 58

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0005 ppm	0.1977 ppm	-0.0004 ppm	0.0268 ppm	0.1643 ppm	0.0001 ppm	18.5978 ppm
Concentration per Run	-0.0003 ppm	0.2060 ppm	-0.0015 ppm	0.0276 ppm	0.1668 ppm	0.0001 ppm	18.6956 ppm
Concentration per Run	0.0000 ppm	0.1852 ppm	-0.0026 ppm	0.0275 ppm	0.1630 ppm	0.0001 ppm	18.4816 ppm
Concentration per Run	-0.0012 ppm	0.2019 ppm	0.0029 ppm	0.0251 ppm	0.1630 ppm	0.0001 ppm	18.6162 ppm
Concentration RSD	120.5 %	5.6 %	697.8 %	5.3 %	1.3 %	27.9 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0003 ppm	0.0031 ppm	0.0001 ppm	0.0030 ppm	0.0100 ppm	4.6993 ppm	0.0003 ppm
Concentration per Run	0.0002 ppm	0.0035 ppm	0.0002 ppm	0.0026 ppm	0.0104 ppm	4.7814 ppm	0.0013 ppm
Concentration per Run	0.0003 ppm	0.0033 ppm	-0.0004 ppm	0.0033 ppm	0.0095 ppm	4.6556 ppm	0.0011 ppm
Concentration per Run	0.0003 ppm	0.0026 ppm	0.0005 ppm	0.0032 ppm	0.0102 ppm	4.6608 ppm	-0.0015 ppm
Concentration RSD	23.0 %	15.2 %	388.3 %	11.9 %	4.7 %	1.5 %	523.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	4.8689 ppm	0.0376 ppm	-0.0003 ppm	401.6958 ppm	0.0015 ppm	-0.0001 ppm	0.0014 ppm
Concentration per Run	4.8682 ppm	0.0380 ppm	-0.0004 ppm	407.7433 ppm	0.0009 ppm	-0.0004 ppm	0.0031 ppm
Concentration per Run	4.8749 ppm	0.0371 ppm	-0.0007 ppm	398.4982 ppm	0.0021 ppm	0.0008 ppm	0.0034 ppm
Concentration per Run	4.8636 ppm	0.0375 ppm	0.0001 ppm	398.8460 ppm	0.0014 ppm	-0.0006 ppm	-0.0021 ppm
Concentration RSD	0.1 %	1.2 %	126.8 %	1.3 %	39.2 %	960.8 %	215.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0024 ppm	4.1956 ppm	-0.0011 ppm	0.1207 ppm	0.0001 ppm	0.0019 ppm	0.0001 ppm
Concentration per Run	0.0021 ppm	4.1799 ppm	-0.0021 ppm	0.1226 ppm	0.0000 ppm	0.0029 ppm	0.0000 ppm
Concentration per Run	0.0026 ppm	4.1876 ppm	0.0003 ppm	0.1199 ppm	-0.0003 ppm	0.0007 ppm	0.0000 ppm
Concentration per Run	0.0025 ppm	4.2194 ppm	-0.0017 ppm	0.1197 ppm	0.0005 ppm	0.0022 ppm	0.0002 ppm
Concentration RSD	11.3 %	0.5 %	110.1 %	1.3 %	456.9 %	58.3 %	109.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0065 ppm	96.8075 %	104.0224 %	93.2380 %	94.7797 %	101.7115 %	96.6019 %
Concentration per Run	0.0063 ppm	97.2426 %	103.4145 %	93.4380 %	95.0497 %	102.2867 %	96.5985 %
Concentration per Run	0.0067 ppm	96.9289 %	103.8941 %	92.9168 %	94.9397 %	101.0352 %	96.3104 %
Concentration per Run	0.0066 ppm	96.2510 %	104.7586 %	93.3593 %	94.3496 %	101.8127 %	96.8967 %
Concentration RSD	3.6 %	0.5 %	0.7 %	0.3 %	0.4 %	0.6 %	0.3 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2572318-03 WG2142906
Analysis started at: 11/26/2025 5:25:19 PM
Comment <Comment>
Rack Number 2
Vial Numbers 59

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0070 ppm	-0.0005 ppm	1.3741 ppm	0.4274 ppm	0.0001 ppm	74.2647 ppm
Concentration per Run	0.0003 ppm	0.0132 ppm	-0.0016 ppm	1.3708 ppm	0.4273 ppm	0.0001 ppm	74.3950 ppm
Concentration per Run	-0.0003 ppm	0.0090 ppm	0.0002 ppm	1.3717 ppm	0.4278 ppm	0.0001 ppm	74.2999 ppm
Concentration per Run	-0.0005 ppm	-0.0011 ppm	0.0001 ppm	1.3797 ppm	0.4270 ppm	0.0001 ppm	74.0991 ppm
Concentration RSD	273.3 %	104.0 %	222.2 %	0.4 %	0.1 %	17.8 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0020 ppm	0.0010 ppm	0.0012 ppm	17.2662 ppm	62.0356 ppm	0.0051 ppm
Concentration per Run	0.0001 ppm	0.0020 ppm	0.0015 ppm	0.0014 ppm	17.2004 ppm	61.8337 ppm	0.0048 ppm
Concentration per Run	0.0000 ppm	0.0019 ppm	0.0009 ppm	0.0012 ppm	17.2387 ppm	62.1946 ppm	0.0038 ppm
Concentration per Run	0.0001 ppm	0.0020 ppm	0.0006 ppm	0.0009 ppm	17.3596 ppm	62.0785 ppm	0.0066 ppm
Concentration RSD	143.7 %	3.2 %	46.8 %	22.7 %	0.5 %	0.3 %	27.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	27.7591 ppm	1.8421 ppm	-0.0003 ppm	135.9749 ppm	0.0101 ppm	-0.0010 ppm	0.0015 ppm
Concentration per Run	27.8287 ppm	1.8429 ppm	-0.0002 ppm	136.1990 ppm	0.0102 ppm	-0.0022 ppm	0.0029 ppm
Concentration per Run	27.7540 ppm	1.8443 ppm	-0.0006 ppm	135.8420 ppm	0.0097 ppm	-0.0007 ppm	0.0000 ppm
Concentration per Run	27.6945 ppm	1.8392 ppm	-0.0002 ppm	135.8838 ppm	0.0102 ppm	0.0000 ppm	0.0017 ppm
Concentration RSD	0.2 %	0.1 %	81.3 %	0.1 %	3.0 %	118.7 %	93.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0019 ppm	13.5361 ppm	-0.0004 ppm	0.4946 ppm	0.0003 ppm	0.0013 ppm	0.0028 ppm
Concentration per Run	0.0044 ppm	13.4905 ppm	-0.0015 ppm	0.4933 ppm	0.0004 ppm	0.0007 ppm	0.0025 ppm
Concentration per Run	0.0006 ppm	13.5660 ppm	0.0004 ppm	0.4961 ppm	0.0003 ppm	0.0006 ppm	0.0032 ppm
Concentration per Run	0.0008 ppm	13.5519 ppm	-0.0001 ppm	0.4943 ppm	0.0003 ppm	0.0027 ppm	0.0029 ppm
Concentration RSD	112.4 %	0.3 %	266.3 %	0.3 %	9.5 %	87.1 %	12.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0103 ppm	99.8606 %	104.5256 %	94.9874 %	97.8046 %	102.5295 %	97.7264 %
Concentration per Run	0.0104 ppm	100.8078 %	103.9598 %	95.2718 %	98.6841 %	102.2066 %	97.7890 %
Concentration per Run	0.0104 ppm	99.3316 %	105.0269 %	94.6555 %	97.3562 %	103.0057 %	97.3076 %
Concentration per Run	0.0101 ppm	99.4424 %	104.5902 %	95.0349 %	97.3735 %	102.3761 %	98.0826 %
Concentration RSD	1.4 %	0.8 %	0.5 %	0.3 %	0.8 %	0.4 %	0.4 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2572318-04 WG2142906
Analysis started at: 11/26/2025 5:27:33 PM
Comment <Comment>
Rack Number 2
Vial Numbers 60

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0003 ppm	0.0062 ppm	0.0111 ppm	0.1756 ppm	0.1730 ppm	0.0000 ppm	48.0091 ppm
Concentration per Run	-0.0007 ppm	0.0162 ppm	0.0081 ppm	0.1756 ppm	0.1760 ppm	0.0000 ppm	48.5584 ppm
Concentration per Run	0.0000 ppm	-0.0012 ppm	0.0120 ppm	0.1760 ppm	0.1703 ppm	0.0000 ppm	47.4555 ppm
Concentration per Run	-0.0002 ppm	0.0037 ppm	0.0132 ppm	0.1753 ppm	0.1726 ppm	0.0000 ppm	48.0136 ppm
Concentration RSD	108.4 %	144.5 %	24.1 %	0.2 %	1.7 %	136.8 %	1.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0064 ppm	0.0004 ppm	0.0010 ppm	9.4856 ppm	11.3364 ppm	0.0085 ppm
Concentration per Run	0.0000 ppm	0.0066 ppm	0.0005 ppm	0.0015 ppm	9.6311 ppm	11.5343 ppm	0.0093 ppm
Concentration per Run	0.0000 ppm	0.0062 ppm	0.0002 ppm	0.0010 ppm	9.3646 ppm	11.1953 ppm	0.0080 ppm
Concentration per Run	0.0001 ppm	0.0064 ppm	0.0005 ppm	0.0005 ppm	9.4610 ppm	11.2795 ppm	0.0082 ppm
Concentration RSD	127.8 %	2.8 %	50.5 %	49.0 %	1.4 %	1.6 %	8.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	9.7776 ppm	7.5483 ppm	-0.0005 ppm	83.1683 ppm	0.0026 ppm	-0.0008 ppm	-0.0020 ppm
Concentration per Run	9.7915 ppm	7.6460 ppm	-0.0006 ppm	84.7314 ppm	0.0030 ppm	-0.0006 ppm	-0.0022 ppm
Concentration per Run	9.7634 ppm	7.4581 ppm	-0.0001 ppm	81.8345 ppm	0.0028 ppm	-0.0006 ppm	0.0007 ppm
Concentration per Run	9.7778 ppm	7.5409 ppm	-0.0008 ppm	82.9391 ppm	0.0022 ppm	-0.0012 ppm	-0.0045 ppm
Concentration RSD	0.1 %	1.2 %	64.8 %	1.8 %	16.0 %	43.8 %	131.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0006 ppm	11.3617 ppm	-0.0003 ppm	0.3198 ppm	0.0001 ppm	0.0009 ppm	-0.0003 ppm
Concentration per Run	0.0011 ppm	11.3590 ppm	-0.0001 ppm	0.3238 ppm	0.0000 ppm	0.0009 ppm	-0.0003 ppm
Concentration per Run	-0.0012 ppm	11.3413 ppm	-0.0001 ppm	0.3163 ppm	0.0005 ppm	-0.0001 ppm	-0.0004 ppm
Concentration per Run	0.0019 ppm	11.3849 ppm	-0.0007 ppm	0.3194 ppm	-0.0001 ppm	0.0019 ppm	-0.0002 ppm
Concentration RSD	270.9 %	0.2 %	102.6 %	1.2 %	209.4 %	108.5 %	38.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0017 ppm	102.0420 %	104.4984 %	98.9679 %	99.9724 %	103.3114 %	100.9021 %
Concentration per Run	0.0017 ppm	101.7965 %	103.2132 %	98.8206 %	99.7812 %	103.4190 %	100.6818 %
Concentration per Run	0.0017 ppm	101.8385 %	105.8450 %	98.1946 %	99.7268 %	103.1882 %	100.1693 %
Concentration per Run	0.0016 ppm	102.4910 %	104.4370 %	99.8885 %	100.4092 %	103.3269 %	101.8553 %
Concentration RSD	2.6 %	0.4 %	1.3 %	0.9 %	0.4 %	0.1 %	0.9 %

ICP DataTrace 11

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LabBook: WG2146815_11262025T11.imexp

Sample: L2572318-05 WG2142906
Analysis started at: 11/26/2025 5:29:44 PM
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Rack Number 3
Vial Numbers 1

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	0.0062 ppm	-0.0012 ppm	0.1990 ppm	0.1215 ppm	0.0000 ppm	56.5184 ppm
Concentration per Run	-0.0001 ppm	0.0043 ppm	-0.0008 ppm	0.1979 ppm	0.1209 ppm	0.0000 ppm	56.3353 ppm
Concentration per Run	-0.0004 ppm	0.0033 ppm	-0.0002 ppm	0.1997 ppm	0.1219 ppm	0.0000 ppm	56.7060 ppm
Concentration per Run	-0.0002 ppm	0.0110 ppm	-0.0025 ppm	0.1994 ppm	0.1218 ppm	0.0000 ppm	56.5139 ppm
Concentration RSD	70.8 %	67.7 %	101.5 %	0.5 %	0.4 %	121.8 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0146 ppm	-0.0006 ppm	0.0009 ppm	0.0438 ppm	5.4158 ppm	0.0103 ppm
Concentration per Run	0.0001 ppm	0.0143 ppm	0.0000 ppm	0.0009 ppm	0.0443 ppm	5.4262 ppm	0.0119 ppm
Concentration per Run	0.0001 ppm	0.0147 ppm	-0.0008 ppm	0.0009 ppm	0.0425 ppm	5.4282 ppm	0.0107 ppm
Concentration per Run	0.0000 ppm	0.0147 ppm	-0.0009 ppm	0.0010 ppm	0.0445 ppm	5.3930 ppm	0.0083 ppm
Concentration RSD	68.6 %	1.6 %	91.3 %	8.8 %	2.4 %	0.4 %	17.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	15.2812 ppm	0.8811 ppm	0.0002 ppm	60.4998 ppm	0.0069 ppm	-0.0015 ppm	-0.0008 ppm
Concentration per Run	15.2600 ppm	0.8802 ppm	0.0002 ppm	59.9045 ppm	0.0062 ppm	-0.0005 ppm	0.0008 ppm
Concentration per Run	15.3235 ppm	0.8827 ppm	0.0003 ppm	60.7079 ppm	0.0078 ppm	-0.0015 ppm	0.0000 ppm
Concentration per Run	15.2601 ppm	0.8802 ppm	0.0000 ppm	60.8869 ppm	0.0068 ppm	-0.0024 ppm	-0.0033 ppm
Concentration RSD	0.2 %	0.2 %	76.5 %	0.9 %	11.2 %	63.0 %	271.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0004 ppm	9.9679 ppm	-0.0005 ppm	0.3309 ppm	0.0000 ppm	0.0007 ppm	0.0000 ppm
Concentration per Run	0.0004 ppm	9.9547 ppm	-0.0008 ppm	0.3297 ppm	-0.0003 ppm	0.0026 ppm	0.0001 ppm
Concentration per Run	0.0008 ppm	9.9858 ppm	0.0005 ppm	0.3295 ppm	0.0001 ppm	-0.0006 ppm	-0.0002 ppm
Concentration per Run	-0.0001 ppm	9.9631 ppm	-0.0013 ppm	0.3334 ppm	0.0001 ppm	0.0000 ppm	0.0001 ppm
Concentration RSD	116.7 %	0.2 %	189.7 %	0.7 %	568.3 %	254.2 %	10,446.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0016 ppm	101.7435 %	104.5888 %	98.7662 %	99.3606 %	102.8167 %	99.7069 %
Concentration per Run	0.0016 ppm	102.0967 %	105.3234 %	98.6691 %	99.5622 %	103.4179 %	99.8688 %
Concentration per Run	0.0013 ppm	101.3840 %	104.0153 %	98.3597 %	99.2272 %	102.4016 %	99.2897 %
Concentration per Run	0.0018 ppm	101.7498 %	104.4277 %	99.2699 %	99.2923 %	102.6306 %	99.9621 %
Concentration RSD	14.4 %	0.4 %	0.6 %	0.5 %	0.2 %	0.5 %	0.4 %

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LabBook: WG2146815_11262025T11.imexp

Sample: L2572318-06 WG2142906
Analysis started at: 11/26/2025 5:31:54 PM
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Rack Number 3
Vial Numbers 2

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	0.0063 ppm	-0.0004 ppm	1.4346 ppm	0.1297 ppm	0.0000 ppm	124.0247 ppm
Concentration per Run	0.0001 ppm	0.0011 ppm	0.0029 ppm	1.4350 ppm	0.1293 ppm	0.0000 ppm	124.2795 ppm
Concentration per Run	-0.0008 ppm	0.0149 ppm	-0.0029 ppm	1.4354 ppm	0.1300 ppm	0.0000 ppm	123.7747 ppm
Concentration per Run	0.0002 ppm	0.0028 ppm	-0.0014 ppm	1.4335 ppm	0.1298 ppm	0.0001 ppm	124.0197 ppm
Concentration RSD	299.1 %	119.4 %	671.4 %	0.1 %	0.3 %	102.8 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0006 ppm	0.0015 ppm	0.0011 ppm	0.6207 ppm	31.6083 ppm	0.0268 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	0.0018 ppm	0.0009 ppm	0.6221 ppm	31.4562 ppm	0.0281 ppm
Concentration per Run	0.0000 ppm	0.0006 ppm	0.0013 ppm	0.0010 ppm	0.6204 ppm	31.6003 ppm	0.0255 ppm
Concentration per Run	0.0000 ppm	0.0008 ppm	0.0013 ppm	0.0013 ppm	0.6197 ppm	31.7686 ppm	0.0269 ppm
Concentration RSD	84.7 %	48.9 %	22.1 %	19.5 %	0.2 %	0.5 %	4.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	17.6644 ppm	0.4779 ppm	0.0015 ppm	92.3745 ppm	0.0090 ppm	-0.0003 ppm	0.0014 ppm
Concentration per Run	17.6611 ppm	0.4797 ppm	0.0013 ppm	92.4230 ppm	0.0092 ppm	0.0000 ppm	0.0043 ppm
Concentration per Run	17.6797 ppm	0.4769 ppm	0.0015 ppm	92.2694 ppm	0.0084 ppm	-0.0001 ppm	0.0007 ppm
Concentration per Run	17.6524 ppm	0.4772 ppm	0.0017 ppm	92.4312 ppm	0.0095 ppm	-0.0009 ppm	-0.0009 ppm
Concentration RSD	0.1 %	0.3 %	12.3 %	0.1 %	6.5 %	146.9 %	196.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0017 ppm	6.3534 ppm	-0.0013 ppm	0.6490 ppm	0.0000 ppm	0.0009 ppm	0.0003 ppm
Concentration per Run	0.0032 ppm	6.3354 ppm	-0.0018 ppm	0.6467 ppm	-0.0002 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run	-0.0003 ppm	6.3603 ppm	-0.0011 ppm	0.6508 ppm	0.0003 ppm	0.0011 ppm	0.0006 ppm
Concentration per Run	0.0022 ppm	6.3643 ppm	-0.0010 ppm	0.6496 ppm	0.0000 ppm	0.0010 ppm	0.0001 ppm
Concentration RSD	106.1 %	0.2 %	32.7 %	0.3 %	1,184.3 %	46.8 %	100.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0083 ppm	99.3978 %	104.3842 %	95.9148 %	96.9336 %	101.8478 %	97.9368 %
Concentration per Run	0.0084 ppm	99.0816 %	104.0477 %	95.6515 %	96.8656 %	101.5420 %	97.3806 %
Concentration per Run	0.0081 ppm	99.2760 %	104.4659 %	96.2157 %	96.7096 %	101.9365 %	98.2189 %
Concentration per Run	0.0082 ppm	99.8358 %	104.6392 %	95.8773 %	97.2255 %	102.0650 %	98.2108 %
Concentration RSD	1.8 %	0.4 %	0.3 %	0.3 %	0.3 %	0.3 %	0.5 %

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LabBook: WG2146815_11262025T11.imexp

Sample: L2572318-07 WG2142906
Analysis started at: 11/26/2025 5:34:06 PM
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Rack Number 3
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0007 ppm	-0.0003 ppm	0.0004 ppm	1.4339 ppm	0.1308 ppm	0.0000 ppm	124.1602 ppm
Concentration per Run	-0.0008 ppm	-0.0086 ppm	0.0012 ppm	1.4248 ppm	0.1313 ppm	0.0000 ppm	124.7467 ppm
Concentration per Run	-0.0008 ppm	-0.0015 ppm	-0.0011 ppm	1.4436 ppm	0.1305 ppm	0.0000 ppm	123.9863 ppm
Concentration per Run	-0.0004 ppm	0.0091 ppm	0.0012 ppm	1.4333 ppm	0.1305 ppm	0.0000 ppm	123.7476 ppm
Concentration RSD	30.4 %	2,650.7 %	304.1 %	0.7 %	0.4 %	588.6 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0010 ppm	0.0011 ppm	0.0007 ppm	0.4640 ppm	31.7324 ppm	0.0286 ppm
Concentration per Run	0.0001 ppm	0.0014 ppm	0.0008 ppm	0.0009 ppm	0.4621 ppm	31.7430 ppm	0.0278 ppm
Concentration per Run	0.0001 ppm	0.0004 ppm	0.0010 ppm	0.0008 ppm	0.4688 ppm	31.7741 ppm	0.0308 ppm
Concentration per Run	0.0002 ppm	0.0010 ppm	0.0013 ppm	0.0004 ppm	0.4613 ppm	31.6801 ppm	0.0270 ppm
Concentration RSD	59.1 %	53.6 %	24.4 %	38.8 %	0.9 %	0.2 %	7.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	17.5580 ppm	0.4738 ppm	0.0018 ppm	92.3904 ppm	0.0089 ppm	-0.0014 ppm	-0.0010 ppm
Concentration per Run	17.5904 ppm	0.4770 ppm	0.0020 ppm	92.5128 ppm	0.0088 ppm	-0.0010 ppm	-0.0018 ppm
Concentration per Run	17.5623 ppm	0.4717 ppm	0.0014 ppm	92.4153 ppm	0.0080 ppm	-0.0011 ppm	-0.0002 ppm
Concentration per Run	17.5211 ppm	0.4726 ppm	0.0021 ppm	92.2430 ppm	0.0099 ppm	-0.0023 ppm	-0.0011 ppm
Concentration RSD	0.2 %	0.6 %	18.2 %	0.1 %	10.6 %	50.9 %	80.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0048 ppm	6.3373 ppm	-0.0003 ppm	0.6502 ppm	0.0002 ppm	0.0024 ppm	0.0000 ppm
Concentration per Run	0.0061 ppm	6.3361 ppm	-0.0007 ppm	0.6517 ppm	0.0002 ppm	0.0021 ppm	-0.0001 ppm
Concentration per Run	0.0064 ppm	6.3501 ppm	-0.0003 ppm	0.6505 ppm	0.0002 ppm	0.0021 ppm	0.0000 ppm
Concentration per Run	0.0020 ppm	6.3257 ppm	0.0000 ppm	0.6483 ppm	0.0004 ppm	0.0031 ppm	0.0000 ppm
Concentration RSD	50.9 %	0.2 %	101.8 %	0.3 %	52.7 %	24.0 %	234.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0080 ppm	99.6144 %	103.8220 %	95.8448 %	97.0785 %	101.7618 %	97.7099 %
Concentration per Run	0.0083 ppm	99.5238 %	104.0774 %	95.6844 %	97.0402 %	102.6257 %	97.5367 %
Concentration per Run	0.0080 ppm	99.4471 %	103.3283 %	95.7472 %	97.0540 %	100.9029 %	97.7657 %
Concentration per Run	0.0079 ppm	99.8722 %	104.0603 %	96.1029 %	97.1412 %	101.7567 %	97.8273 %
Concentration RSD	2.6 %	0.2 %	0.4 %	0.2 %	0.1 %	0.8 %	0.2 %

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LabBook: WG2146815_11262025T11.imexp

Sample: L2572444-05 WG2142906
Analysis started at: 11/26/2025 5:36:16 PM
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Rack Number 3
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	0.0071 ppm	-0.0007 ppm	0.1003 ppm	0.0381 ppm	0.0000 ppm	57.6550 ppm
Concentration per Run	-0.0005 ppm	0.0087 ppm	-0.0010 ppm	0.1002 ppm	0.0383 ppm	0.0000 ppm	57.7410 ppm
Concentration per Run	-0.0002 ppm	0.0085 ppm	-0.0016 ppm	0.1008 ppm	0.0379 ppm	0.0000 ppm	57.5085 ppm
Concentration per Run	0.0001 ppm	0.0040 ppm	0.0006 ppm	0.1000 ppm	0.0381 ppm	0.0000 ppm	57.7156 ppm
Concentration RSD	163.0 %	38.0 %	170.4 %	0.4 %	0.6 %	112.6 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0004 ppm	-0.0002 ppm	0.0007 ppm	1.1133 ppm	4.7189 ppm	0.0641 ppm
Concentration per Run	0.0000 ppm	0.0004 ppm	0.0000 ppm	0.0008 ppm	1.1090 ppm	4.7532 ppm	0.0637 ppm
Concentration per Run	0.0000 ppm	0.0004 ppm	0.0000 ppm	0.0007 ppm	1.1140 ppm	4.6942 ppm	0.0631 ppm
Concentration per Run	0.0000 ppm	0.0004 ppm	-0.0007 ppm	0.0005 ppm	1.1169 ppm	4.7094 ppm	0.0655 ppm
Concentration RSD	4,631.9 %	2.6 %	169.3 %	20.8 %	0.4 %	0.6 %	2.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	10.0755 ppm	0.8472 ppm	-0.0001 ppm	22.8954 ppm	0.0011 ppm	-0.0012 ppm	0.0024 ppm
Concentration per Run	10.0705 ppm	0.8514 ppm	-0.0002 ppm	22.9313 ppm	0.0003 ppm	-0.0007 ppm	0.0011 ppm
Concentration per Run	10.1091 ppm	0.8438 ppm	-0.0002 ppm	22.6701 ppm	0.0011 ppm	-0.0013 ppm	0.0045 ppm
Concentration per Run	10.0468 ppm	0.8464 ppm	0.0001 ppm	23.0848 ppm	0.0018 ppm	-0.0016 ppm	0.0016 ppm
Concentration RSD	0.3 %	0.5 %	218.0 %	0.9 %	71.0 %	40.8 %	78.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0020 ppm	8.0896 ppm	-0.0006 ppm	0.2545 ppm	0.0002 ppm	0.0023 ppm	0.0003 ppm
Concentration per Run	0.0025 ppm	8.0742 ppm	-0.0011 ppm	0.2550 ppm	0.0006 ppm	0.0008 ppm	0.0001 ppm
Concentration per Run	0.0006 ppm	8.1000 ppm	-0.0003 ppm	0.2526 ppm	-0.0001 ppm	0.0026 ppm	0.0005 ppm
Concentration per Run	0.0028 ppm	8.0946 ppm	-0.0003 ppm	0.2559 ppm	0.0001 ppm	0.0035 ppm	0.0004 ppm
Concentration RSD	60.4 %	0.2 %	86.3 %	0.7 %	164.2 %	59.9 %	64.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0046 ppm	103.2516 %	105.8520 %	101.5108 %	100.8201 %	103.4257 %	101.7639 %
Concentration per Run	0.0046 ppm	103.8370 %	104.8306 %	101.2824 %	101.2997 %	102.7872 %	101.6003 %
Concentration per Run	0.0047 ppm	102.7047 %	106.0501 %	101.1816 %	100.2621 %	102.9659 %	101.5528 %
Concentration per Run	0.0045 ppm	103.2132 %	106.6753 %	102.0683 %	100.8987 %	104.5239 %	102.1386 %
Concentration RSD	3.1 %	0.5 %	0.9 %	0.5 %	0.5 %	0.9 %	0.3 %

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LabBook: WG2146815_11262025T11.imexp

Sample: eL2572641-01d2 WG2142906
Analysis started at: 11/26/2025 5:38:28 PM
Comment <Comment>
Rack Number 3
Vial Numbers 5

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0004 ppm	0.2066 ppm	0.0792 ppm	12.5829 [SIC 50]	0.1313 ppm	0.0000 ppm	34.8604 ppm
Concentration per Run	-0.0001 ppm	0.1972 ppm	0.0782 ppm	12.5674 ppm	0.1307 ppm	0.0000 ppm	34.7789 ppm
Concentration per Run	-0.0007 ppm	0.2144 ppm	0.0781 ppm	12.5875 ppm	0.1314 ppm	0.0000 ppm	34.8146 ppm
Concentration per Run	-0.0003 ppm	0.2081 ppm	0.0813 ppm	12.5939 ppm	0.1319 ppm	-0.0001 ppm	34.9877 ppm
Concentration RSD	81.7 %	4.2 %	2.3 %	0.1 %	0.4 %	109.0 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0077 ppm	0.1775 ppm	0.0008 ppm	2.0839 ppm	1,354.9599 ppm	0.1392 ppm
Concentration per Run	0.0002 ppm	0.0070 ppm	0.1781 ppm	0.0007 ppm	2.0777 ppm	1,342.3894 ppm	0.1392 ppm
Concentration per Run	0.0002 ppm	0.0081 ppm	0.1770 ppm	0.0008 ppm	2.0843 ppm	1,360.1953 ppm	0.1398 ppm
Concentration per Run	0.0000 ppm	0.0081 ppm	0.1775 ppm	0.0008 ppm	2.0897 ppm	1,362.2950 ppm	0.1387 ppm
Concentration RSD	116.6 %	8.4 %	0.3 %	9.4 %	0.3 %	0.8 %	0.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	61.7635 ppm	0.0432 ppm	0.0028 ppm	1,241.8889 [SIC 800]	0.0598 ppm	-0.0029 ppm	0.0162 ppm
Concentration per Run	61.7691 ppm	0.0432 ppm	0.0031 ppm	1,231.1976 ppm	0.0599 ppm	-0.0028 ppm	0.0176 ppm
Concentration per Run	61.6614 ppm	0.0431 ppm	0.0026 ppm	1,244.5225 ppm	0.0603 ppm	-0.0029 ppm	0.0156 ppm
Concentration per Run	61.8600 ppm	0.0432 ppm	0.0027 ppm	1,249.9467 ppm	0.0593 ppm	-0.0030 ppm	0.0153 ppm
Concentration RSD	0.2 %	0.2 %	9.0 %	0.8 %	0.8 %	4.0 %	7.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0063 ppm	9.3488 ppm	0.0121 ppm	1.2736 ppm	0.1797 ppm	0.0014 ppm	0.0925 ppm
Concentration per Run	0.0060 ppm	9.3177 ppm	0.0115 ppm	1.2675 ppm	0.1796 ppm	-0.0007 ppm	0.0921 ppm
Concentration per Run	0.0039 ppm	9.3445 ppm	0.0126 ppm	1.2764 ppm	0.1801 ppm	0.0026 ppm	0.0926 ppm
Concentration per Run	0.0089 ppm	9.3842 ppm	0.0123 ppm	1.2770 ppm	0.1792 ppm	0.0024 ppm	0.0927 ppm
Concentration RSD	40.3 %	0.4 %	5.0 %	0.4 %	0.2 %	128.4 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0146 ppm	84.4314 %	97.1930 %	80.1476 %	82.6429 %	95.7936 %	86.0681 %
Concentration per Run	0.0147 ppm	84.1851 %	97.1051 %	80.0945 %	82.2478 %	95.5594 %	85.9698 %
Concentration per Run	0.0145 ppm	84.8147 %	97.7069 %	80.0073 %	83.1358 %	96.1444 %	86.0772 %
Concentration per Run	0.0147 ppm	84.2946 %	96.7672 %	80.3411 %	82.5449 %	95.6769 %	86.1572 %
Concentration RSD	0.6 %	0.4 %	0.5 %	0.2 %	0.5 %	0.3 %	0.1 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: CCV
Analysis started at: 11/26/2025 5:42:14 PM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4898 ppm	0.4780 ppm	0.4629 ppm	0.4937 ppm	0.4889 ppm	0.4957 ppm	0.4964 ppm
Concentration per Run	0.4890 ppm	0.4860 ppm	0.4620 ppm	0.4936 ppm	0.4885 ppm	0.4972 ppm	0.5009 ppm
Concentration per Run	0.4891 ppm	0.4738 ppm	0.4625 ppm	0.4917 ppm	0.4916 ppm	0.4976 ppm	0.4907 ppm
Concentration per Run	0.4913 ppm	0.4740 ppm	0.4642 ppm	0.4959 ppm	0.4867 ppm	0.4921 ppm	0.4976 ppm
Recovery Percentage	97.955 %	95.592 %	92.580 %	98.739 %	97.786 %	99.130 %	99.280 %
Concentration RSD	0.3 %	1.5 %	0.3 %	0.4 %	0.5 %	0.6 %	1.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4947 ppm	0.5023 ppm	0.4951 ppm	0.5036 ppm	0.4922 ppm	5.5122 ppm	0.4982 ppm
Concentration per Run	0.4925 ppm	0.4996 ppm	0.4934 ppm	0.5034 ppm	0.4932 ppm	5.5420 ppm	0.4882 ppm
Concentration per Run	0.4929 ppm	0.5027 ppm	0.4950 ppm	0.5029 ppm	0.4952 ppm	5.4934 ppm	0.5101 ppm
Concentration per Run	0.4987 ppm	0.5047 ppm	0.4971 ppm	0.5046 ppm	0.4882 ppm	5.5011 ppm	0.4963 ppm
Recovery Percentage	98.933 %	100.467 %	99.027 %	100.727 %	98.440 %	110.243 %	99.642 %
Concentration RSD	0.7 %	0.5 %	0.4 %	0.2 %	0.7 %	0.5 %	2.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4924 ppm	0.5000 ppm	0.4834 ppm	9.9724 ppm	0.5047 ppm	0.4922 ppm	0.5001 ppm
Concentration per Run	0.4927 ppm	0.5024 ppm	0.4818 ppm	9.9648 ppm	0.5044 ppm	0.4909 ppm	0.5012 ppm
Concentration per Run	0.4908 ppm	0.4995 ppm	0.4824 ppm	10.0347 ppm	0.5032 ppm	0.4930 ppm	0.4999 ppm
Concentration per Run	0.4936 ppm	0.4981 ppm	0.4859 ppm	9.9176 ppm	0.5064 ppm	0.4927 ppm	0.4993 ppm
Recovery Percentage	98.475 %	99.999 %	96.672 %	99.724 %	100.934 %	98.436 %	100.023 %
Concentration RSD	0.3 %	0.4 %	0.5 %	0.6 %	0.3 %	0.2 %	0.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4753 ppm	5.3330 ppm	0.4861 ppm	0.4819 ppm	0.4915 ppm	0.5007 ppm	0.4975 ppm
Concentration per Run	0.4743 ppm	5.3113 ppm	0.4858 ppm	0.4802 ppm	0.4890 ppm	0.4985 ppm	0.4951 ppm
Concentration per Run	0.4757 ppm	5.3326 ppm	0.4850 ppm	0.4849 ppm	0.4913 ppm	0.5006 ppm	0.4971 ppm
Concentration per Run	0.4760 ppm	5.3550 ppm	0.4875 ppm	0.4805 ppm	0.4941 ppm	0.5031 ppm	0.5003 ppm
Recovery Percentage	95.067 %	101.580 %	97.222 %	96.375 %	98.296 %	100.148 %	99.501 %
Concentration RSD	0.2 %	0.4 %	0.3 %	0.5 %	0.5 %	0.5 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4991 ppm	103.9099 %	103.7898 %	103.6795 %	101.6155 %	102.3941 %	101.7885 %
Concentration per Run	0.4971 ppm	104.6836 %	103.8210 %	103.6712 %	102.3902 %	102.4990 %	101.7535 %
Concentration per Run	0.4978 ppm	104.0753 %	104.0443 %	103.4679 %	101.3215 %	102.7492 %	101.5078 %
Concentration per Run	0.5025 ppm	102.9708 %	103.5040 %	103.8993 %	101.1347 %	101.9340 %	102.1043 %
Recovery Percentage	99.826 %						
Concentration RSD	0.6 %	0.8 %	0.3 %	0.2 %	0.7 %	0.4 %	0.3 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: CCB
Analysis started at: 11/26/2025 5:44:25 PM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0005 ppm	0.0097 ppm	0.0004 ppm	0.0044 ppm	-0.0001 ppm	0.0000 ppm	0.0015 ppm
Concentration per Run	-0.0002 ppm	0.0083 ppm	0.0013 ppm	0.0048 ppm	-0.0002 ppm	0.0000 ppm	0.0013 ppm
Concentration per Run	-0.0006 ppm	0.0125 ppm	-0.0011 ppm	0.0046 ppm	-0.0002 ppm	0.0001 ppm	0.0023 ppm
Concentration per Run	-0.0007 ppm	0.0084 ppm	0.0010 ppm	0.0039 ppm	0.0001 ppm	0.0001 ppm	0.0008 ppm
Recovery Percentage	-7.378 %	9.721 %	7.797 %	14.799 %	-1.007 %	1.113 %	1.490 %
Concentration RSD	53.0 %	24.4 %	329.3 %	11.0 %	165.4 %	44.1 %	52.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0003 ppm	-0.0003 ppm	0.0003 ppm	0.0012 ppm	0.2601 ppm	0.0009 ppm
Concentration per Run	0.0002 ppm	0.0001 ppm	0.0000 ppm	0.0002 ppm	0.0025 ppm	0.2547 ppm	0.0001 ppm
Concentration per Run	0.0001 ppm	0.0002 ppm	-0.0003 ppm	0.0002 ppm	0.0012 ppm	0.2734 ppm	0.0011 ppm
Concentration per Run	0.0001 ppm	0.0006 ppm	-0.0005 ppm	0.0005 ppm	-0.0001 ppm	0.2522 ppm	0.0014 ppm
Recovery Percentage	2.285 %	1.447 %	-2.722 %	3.250 %	2.421 %	10.404 %	17.691 %
Concentration RSD	48.5 %	88.6 %	99.0 %	58.3 %	107.1 %	4.4 %	76.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0008 ppm	-0.0001 ppm	0.0001 ppm	0.0744 ppm	0.0004 ppm	0.0000 ppm	-0.0007 ppm
Concentration per Run	0.0021 ppm	-0.0003 ppm	0.0004 ppm	0.0757 ppm	0.0004 ppm	0.0013 ppm	-0.0001 ppm
Concentration per Run	-0.0011 ppm	-0.0001 ppm	0.0000 ppm	0.0741 ppm	0.0007 ppm	-0.0009 ppm	-0.0017 ppm
Concentration per Run	-0.0033 ppm	0.0000 ppm	0.0000 ppm	0.0735 ppm	0.0002 ppm	-0.0006 ppm	-0.0003 ppm
Recovery Percentage	-0.793 %	-1.315 %	0.269 %	3.720 %	1.673 %	-0.204 %	-1.386 %
Concentration RSD	339.9 %	127.9 %	192.7 %	1.5 %	60.0 %	5,840.6 %	121.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0006 ppm	0.0056 ppm	0.0001 ppm	-0.0001 ppm	0.0002 ppm	0.0011 ppm	0.0000 ppm
Concentration per Run	0.0006 ppm	0.0049 ppm	0.0003 ppm	0.0000 ppm	0.0004 ppm	0.0004 ppm	0.0002 ppm
Concentration per Run	0.0010 ppm	0.0053 ppm	0.0010 ppm	-0.0001 ppm	0.0003 ppm	0.0010 ppm	-0.0001 ppm
Concentration per Run	0.0002 ppm	0.0066 ppm	-0.0010 ppm	-0.0001 ppm	0.0000 ppm	0.0019 ppm	0.0000 ppm
Recovery Percentage	5.664 %	1.121 %	0.212 %	-0.515 %	2.309 %	5.448 %	0.209 %
Concentration RSD	68.4 %	15.4 %	971.4 %	186.0 %	99.2 %	68.4 %	764.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0000 ppm	102.0227 %	101.8043 %	102.3173 %	102.2207 %	102.4456 %	101.6819 %
Concentration per Run	0.0001 ppm	102.4608 %	102.8421 %	102.2917 %	102.0023 %	103.1635 %	101.5081 %
Concentration per Run	-0.0001 ppm	101.6831 %	100.9831 %	102.4655 %	102.1383 %	101.9891 %	102.0291 %
Concentration per Run	0.0001 ppm	101.9243 %	101.5875 %	102.1945 %	102.5216 %	102.1842 %	101.5084 %
Recovery Percentage	0.170 %						
Concentration RSD	1,568.6 %	0.4 %	0.9 %	0.1 %	0.3 %	0.6 %	0.3 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2143838-1 WG2143838
Analysis started at: 11/26/2025 6:07:52 PM
Comment <Comment>
Rack Number 3
Vial Numbers 7

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	0.0135 ppm	-0.0014 ppm	0.0009 ppm	-0.0001 ppm	0.0001 ppm	0.0038 ppm
Concentration per Run	0.0001 ppm	0.0091 ppm	-0.0009 ppm	0.0010 ppm	-0.0001 ppm	0.0001 ppm	0.0065 ppm
Concentration per Run	0.0002 ppm	0.0184 ppm	-0.0011 ppm	0.0009 ppm	0.0000 ppm	0.0001 ppm	0.0016 ppm
Concentration per Run	0.0001 ppm	0.0129 ppm	-0.0023 ppm	0.0009 ppm	-0.0003 ppm	0.0000 ppm	0.0032 ppm
Recovery Percentage	1.961 %	13.508 %	-28.402 %	3.078 %	-1.359 %	1.365 %	3.751 %
Concentration RSD	41.0 %	34.6 %	52.4 %	9.1 %	106.3 %	13.2 %	66.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0002 ppm	-0.0005 ppm	0.0003 ppm	0.0011 ppm	0.0595 ppm	-0.0007 ppm
Concentration per Run	0.0001 ppm	-0.0001 ppm	-0.0006 ppm	0.0000 ppm	0.0016 ppm	0.0392 ppm	-0.0011 ppm
Concentration per Run	0.0001 ppm	0.0006 ppm	-0.0004 ppm	0.0005 ppm	-0.0007 ppm	0.0637 ppm	-0.0002 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	-0.0006 ppm	0.0004 ppm	0.0025 ppm	0.0757 ppm	-0.0010 ppm
Recovery Percentage	1.403 %	1.082 %	-5.102 %	3.088 %	2.276 %	2.382 %	-14.647 %
Concentration RSD	86.3 %	149.3 %	23.8 %	84.0 %	146.4 %	31.2 %	67.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0014 ppm	-0.0001 ppm	0.0002 ppm	0.0278 ppm	0.0005 ppm	-0.0004 ppm	-0.0007 ppm
Concentration per Run	0.0011 ppm	-0.0001 ppm	0.0002 ppm	0.0259 ppm	0.0007 ppm	-0.0011 ppm	-0.0009 ppm
Concentration per Run	0.0022 ppm	-0.0002 ppm	-0.0001 ppm	0.0291 ppm	0.0010 ppm	-0.0001 ppm	0.0008 ppm
Concentration per Run	0.0010 ppm	-0.0001 ppm	0.0005 ppm	0.0285 ppm	-0.0002 ppm	0.0000 ppm	-0.0020 ppm
Recovery Percentage	1.411 %	-1.402 %	0.431 %	1.392 %	1.989 %	-3.966 %	-1.403 %
Concentration RSD	47.2 %	54.5 %	132.1 %	6.3 %	130.3 %	152.0 %	198.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0017 ppm	0.0085 ppm	-0.0009 ppm	0.0000 ppm	0.0001 ppm	0.0015 ppm	0.0000 ppm
Concentration per Run	0.0008 ppm	0.0089 ppm	-0.0009 ppm	-0.0001 ppm	0.0002 ppm	0.0017 ppm	0.0001 ppm
Concentration per Run	0.0017 ppm	0.0070 ppm	-0.0016 ppm	0.0000 ppm	0.0003 ppm	0.0013 ppm	-0.0003 ppm
Concentration per Run	0.0025 ppm	0.0097 ppm	-0.0003 ppm	-0.0001 ppm	-0.0003 ppm	0.0015 ppm	0.0001 ppm
Recovery Percentage	16.937 %	1.703 %	-1.856 %	-0.496 %	0.773 %	7.531 %	-0.497 %
Concentration RSD	52.2 %	16.5 %	70.3 %	27.2 %	390.0 %	10.1 %	450.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0016 ppm	104.6015 %	104.7371 %	106.0218 %	105.9745 %	104.3915 %	105.0079 %
Concentration per Run	0.0015 ppm	104.8848 %	104.8407 %	106.3188 %	106.6097 %	104.5549 %	105.3645 %
Concentration per Run	0.0019 ppm	104.8707 %	104.3073 %	105.6267 %	106.3171 %	103.6764 %	104.8370 %
Concentration per Run	0.0013 ppm	104.0490 %	105.0632 %	106.1200 %	104.9969 %	104.9431 %	104.8222 %
Recovery Percentage	31.557 %						
Concentration RSD	21.6 %	0.5 %	0.4 %	0.3 %	0.8 %	0.6 %	0.3 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2144085-1 WG2144085
Analysis started at: 11/26/2025 6:10:10 PM
Comment <Comment>
Rack Number 3
Vial Numbers 21

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0004 ppm	0.0161 ppm	-0.0011 ppm	0.0004 ppm	0.0002 ppm	0.0000 ppm	0.0092 ppm
Concentration per Run	-0.0006 ppm	0.0122 ppm	-0.0002 ppm	0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0110 ppm
Concentration per Run	0.0001 ppm	0.0155 ppm	-0.0033 ppm	-0.0001 ppm	0.0002 ppm	0.0000 ppm	0.0058 ppm
Concentration per Run	-0.0006 ppm	0.0205 ppm	0.0003 ppm	0.0011 ppm	0.0003 ppm	0.0000 ppm	0.0107 ppm
Recovery Percentage	-5.152 %	16.071 %	-21.601 %	1.251 %	2.342 %	0.882 %	9.161 %
Concentration RSD	120.3 %	26.1 %	179.6 %	165.7 %	39.4 %	75.3 %	31.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0003 ppm	-0.0001 ppm	0.0006 ppm	0.0024 ppm	0.0677 ppm	0.0010 ppm
Concentration per Run	0.0001 ppm	0.0005 ppm	-0.0004 ppm	0.0004 ppm	0.0033 ppm	0.0605 ppm	0.0010 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0003 ppm	0.0008 ppm	0.0002 ppm	0.0780 ppm	-0.0001 ppm
Concentration per Run	-0.0001 ppm	0.0005 ppm	-0.0002 ppm	0.0006 ppm	0.0036 ppm	0.0645 ppm	0.0021 ppm
Recovery Percentage	-0.161 %	1.651 %	-0.817 %	6.250 %	4.708 %	2.707 %	20.412 %
Concentration RSD	939.7 %	93.5 %	450.9 %	33.2 %	79.9 %	13.5 %	107.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0019 ppm	0.0000 ppm	0.0001 ppm	0.0235 ppm	0.0002 ppm	-0.0008 ppm	-0.0018 ppm
Concentration per Run	0.0008 ppm	0.0000 ppm	-0.0002 ppm	0.0248 ppm	0.0005 ppm	-0.0005 ppm	-0.0036 ppm
Concentration per Run	0.0029 ppm	-0.0001 ppm	0.0001 ppm	0.0211 ppm	-0.0001 ppm	-0.0010 ppm	-0.0012 ppm
Concentration per Run	0.0019 ppm	-0.0001 ppm	0.0004 ppm	0.0246 ppm	0.0002 ppm	-0.0010 ppm	-0.0006 ppm
Recovery Percentage	1.880 %	-0.487 %	0.217 %	1.176 %	0.732 %	-8.417 %	-3.632 %
Concentration RSD	55.7 %	91.9 %	253.9 %	9.0 %	166.1 %	33.1 %	87.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0025 ppm	0.0084 ppm	-0.0007 ppm	0.0000 ppm	0.0001 ppm	0.0010 ppm	0.0001 ppm
Concentration per Run	-0.0006 ppm	0.0067 ppm	-0.0014 ppm	0.0001 ppm	0.0001 ppm	0.0000 ppm	-0.0002 ppm
Concentration per Run	0.0016 ppm	0.0072 ppm	-0.0008 ppm	0.0000 ppm	0.0001 ppm	0.0020 ppm	0.0004 ppm
Concentration per Run	0.0065 ppm	0.0113 ppm	0.0003 ppm	0.0000 ppm	0.0002 ppm	0.0009 ppm	0.0001 ppm
Recovery Percentage	24.682 %	1.680 %	-1.315 %	0.188 %	1.242 %	4.756 %	0.690 %
Concentration RSD	147.0 %	29.8 %	126.8 %	363.4 %	47.8 %	101.0 %	431.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0004 ppm	104.1619 %	104.1908 %	105.2747 %	105.3329 %	103.6752 %	104.4580 %
Concentration per Run	0.0002 ppm	104.0809 %	103.8620 %	105.6261 %	105.4535 %	103.9037 %	104.7814 %
Concentration per Run	0.0003 ppm	103.5682 %	104.1596 %	105.0775 %	104.9567 %	103.3056 %	104.2775 %
Concentration per Run	0.0007 ppm	104.8365 %	104.5506 %	105.1205 %	105.5884 %	103.8162 %	104.3149 %
Recovery Percentage	8.277 %						
Concentration RSD	56.1 %	0.6 %	0.3 %	0.3 %	0.3 %	0.3 %	0.3 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2143838-2 WG2143838
Analysis started at: 11/26/2025 6:12:23 PM
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Rack Number 3
Vial Numbers 8

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0456 ppm	1.8546 ppm	0.1164 ppm	1.0138 ppm	1.8085 ppm	0.0458 ppm	10.2839 ppm
Concentration per Run	0.0455 ppm	1.8486 ppm	0.1175 ppm	1.0134 ppm	1.8020 ppm	0.0456 ppm	10.2213 ppm
Concentration per Run	0.0454 ppm	1.8656 ppm	0.1147 ppm	1.0132 ppm	1.8174 ppm	0.0461 ppm	10.3427 ppm
Concentration per Run	0.0458 ppm	1.8497 ppm	0.1170 ppm	1.0150 ppm	1.8062 ppm	0.0457 ppm	10.2878 ppm
Concentration RSD	0.5 %	0.5 %	1.3 %	0.1 %	0.4 %	0.6 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0510 ppm	0.4520 ppm	0.1811 ppm	0.2294 ppm	0.9104 ppm	10.4892 ppm	0.0019 ppm
Concentration per Run	0.0509 ppm	0.4523 ppm	0.1814 ppm	0.2294 ppm	0.9088 ppm	10.4472 ppm	0.0014 ppm
Concentration per Run	0.0511 ppm	0.4534 ppm	0.1809 ppm	0.2300 ppm	0.9155 ppm	10.5529 ppm	0.0012 ppm
Concentration per Run	0.0511 ppm	0.4502 ppm	0.1810 ppm	0.2289 ppm	0.9069 ppm	10.4675 ppm	0.0032 ppm
Concentration RSD	0.2 %	0.3 %	0.2 %	0.2 %	0.5 %	0.5 %	57.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	10.1647 ppm	0.4553 ppm	1.0117 ppm	10.4061 ppm	0.4609 ppm	0.5217 ppm	0.4538 ppm
Concentration per Run	10.2117 ppm	0.4533 ppm	1.0117 ppm	10.3961 ppm	0.4577 ppm	0.5202 ppm	0.4477 ppm
Concentration per Run	10.1608 ppm	0.4575 ppm	1.0105 ppm	10.3929 ppm	0.4624 ppm	0.5244 ppm	0.4542 ppm
Concentration per Run	10.1215 ppm	0.4550 ppm	1.0130 ppm	10.4294 ppm	0.4625 ppm	0.5206 ppm	0.4596 ppm
Concentration RSD	0.4 %	0.5 %	0.1 %	0.2 %	0.6 %	0.4 %	1.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1207 ppm	1.0461 ppm	0.9926 ppm	0.9649 ppm	1.0127 ppm	0.1232 ppm	0.4653 ppm
Concentration per Run	0.1191 ppm	1.0456 ppm	0.9878 ppm	0.9644 ppm	1.0138 ppm	0.1240 ppm	0.4659 ppm
Concentration per Run	0.1201 ppm	1.0411 ppm	0.9968 ppm	0.9659 ppm	1.0194 ppm	0.1231 ppm	0.4641 ppm
Concentration per Run	0.1228 ppm	1.0517 ppm	0.9932 ppm	0.9644 ppm	1.0048 ppm	0.1225 ppm	0.4659 ppm
Concentration RSD	1.6 %	0.5 %	0.5 %	0.1 %	0.7 %	0.6 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4594 ppm	104.1226 %	104.7805 %	102.8838 %	102.4417 %	102.8020 %	101.7257 %
Concentration per Run	0.4581 ppm	104.1842 %	105.4670 %	102.8029 %	102.5566 %	103.0000 %	101.3702 %
Concentration per Run	0.4620 ppm	104.2845 %	104.5835 %	102.7856 %	102.5227 %	103.1725 %	101.6941 %
Concentration per Run	0.4582 ppm	103.8992 %	104.2909 %	103.0629 %	102.2458 %	102.2335 %	102.1128 %
Concentration RSD	0.5 %	0.2 %	0.6 %	0.2 %	0.2 %	0.5 %	0.4 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2144085-2 WG2144085
Analysis started at: 11/26/2025 6:14:34 PM
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Rack Number 3
Vial Numbers 22

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0445 ppm	1.8511 ppm	0.1138 ppm	1.0035 ppm	1.8046 ppm	0.0456 ppm	10.2667 ppm
Concentration per Run	0.0444 ppm	1.8544 ppm	0.1144 ppm	1.0049 ppm	1.8121 ppm	0.0459 ppm	10.2932 ppm
Concentration per Run	0.0451 ppm	1.8315 ppm	0.1141 ppm	1.0037 ppm	1.7889 ppm	0.0452 ppm	10.1687 ppm
Concentration per Run	0.0441 ppm	1.8676 ppm	0.1131 ppm	1.0019 ppm	1.8128 ppm	0.0457 ppm	10.3382 ppm
Concentration RSD	1.1 %	1.0 %	0.6 %	0.1 %	0.8 %	0.8 %	0.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0505 ppm	0.4466 ppm	0.1800 ppm	0.2271 ppm	0.9100 ppm	10.4413 ppm	0.0012 ppm
Concentration per Run	0.0504 ppm	0.4462 ppm	0.1803 ppm	0.2277 ppm	0.9139 ppm	10.4991 ppm	0.0001 ppm
Concentration per Run	0.0508 ppm	0.4481 ppm	0.1800 ppm	0.2278 ppm	0.9047 ppm	10.3418 ppm	0.0010 ppm
Concentration per Run	0.0504 ppm	0.4456 ppm	0.1796 ppm	0.2258 ppm	0.9114 ppm	10.4829 ppm	0.0024 ppm
Concentration RSD	0.4 %	0.3 %	0.2 %	0.5 %	0.5 %	0.8 %	98.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	10.0253 ppm	0.4533 ppm	1.0026 ppm	10.3736 ppm	0.4548 ppm	0.5154 ppm	0.4479 ppm
Concentration per Run	10.0108 ppm	0.4545 ppm	1.0011 ppm	10.3697 ppm	0.4560 ppm	0.5175 ppm	0.4425 ppm
Concentration per Run	10.0713 ppm	0.4496 ppm	1.0065 ppm	10.2295 ppm	0.4543 ppm	0.5143 ppm	0.4480 ppm
Concentration per Run	9.9937 ppm	0.4558 ppm	1.0004 ppm	10.5216 ppm	0.4540 ppm	0.5145 ppm	0.4533 ppm
Concentration RSD	0.4 %	0.7 %	0.3 %	1.4 %	0.2 %	0.3 %	1.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1169 ppm	1.0571 ppm	0.9875 ppm	0.9660 ppm	1.0003 ppm	0.1214 ppm	0.4616 ppm
Concentration per Run	0.1158 ppm	1.0539 ppm	0.9869 ppm	0.9682 ppm	0.9952 ppm	0.1214 ppm	0.4619 ppm
Concentration per Run	0.1153 ppm	1.0634 ppm	0.9924 ppm	0.9587 ppm	1.0014 ppm	0.1215 ppm	0.4643 ppm
Concentration per Run	0.1196 ppm	1.0541 ppm	0.9831 ppm	0.9710 ppm	1.0043 ppm	0.1213 ppm	0.4586 ppm
Concentration RSD	2.0 %	0.5 %	0.5 %	0.7 %	0.5 %	0.1 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4527 ppm	103.6602 %	104.0212 %	102.4702 %	101.9563 %	103.0973 %	101.4608 %
Concentration per Run	0.4528 ppm	103.8296 %	103.4184 %	101.7630 %	102.4263 %	102.8484 %	100.8671 %
Concentration per Run	0.4546 ppm	102.8309 %	104.6361 %	103.3132 %	101.3077 %	102.6628 %	102.1710 %
Concentration per Run	0.4507 ppm	104.3203 %	104.0092 %	102.3344 %	102.1349 %	103.7809 %	101.3442 %
Concentration RSD	0.4 %	0.7 %	0.6 %	0.8 %	0.6 %	0.6 %	0.7 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2572641-01d10 WG2142906
Analysis started at: 11/26/2025 6:16:45 PM
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Rack Number 3
Vial Numbers 6

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	0.0444 ppm	0.0143 ppm	2.5068 ppm	0.0255 ppm	0.0000 ppm	6.8874 ppm
Concentration per Run	0.0000 ppm	0.0542 ppm	0.0143 ppm	2.5099 ppm	0.0257 ppm	0.0000 ppm	6.9305 ppm
Concentration per Run	-0.0005 ppm	0.0445 ppm	0.0127 ppm	2.5044 ppm	0.0256 ppm	0.0000 ppm	6.8823 ppm
Concentration per Run	0.0000 ppm	0.0346 ppm	0.0158 ppm	2.5060 ppm	0.0252 ppm	0.0000 ppm	6.8494 ppm
Concentration RSD	146.6 %	22.1 %	11.0 %	0.1 %	1.1 %	1,334.6 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0014 ppm	0.0345 ppm	0.0007 ppm	0.4108 ppm	**319.8575 ppm**	0.0281 ppm
Concentration per Run	0.0002 ppm	0.0016 ppm	0.0343 ppm	0.0004 ppm	0.4148 ppm	319.9995 ppm	0.0297 ppm
Concentration per Run	0.0001 ppm	0.0013 ppm	0.0342 ppm	0.0006 ppm	0.4097 ppm	321.5264 ppm	0.0283 ppm
Concentration per Run	0.0001 ppm	0.0013 ppm	0.0349 ppm	0.0010 ppm	0.4078 ppm	318.0467 ppm	0.0262 ppm
Concentration RSD	45.3 %	13.4 %	1.2 %	46.6 %	0.9 %	0.5 %	6.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	12.1122 ppm	0.0086 ppm	0.0013 ppm	289.4887 ppm	0.0121 ppm	-0.0014 ppm	0.0111 ppm
Concentration per Run	12.1145 ppm	0.0085 ppm	0.0013 ppm	290.3625 ppm	0.0113 ppm	-0.0024 ppm	0.0126 ppm
Concentration per Run	12.1231 ppm	0.0088 ppm	0.0009 ppm	290.1466 ppm	0.0126 ppm	-0.0018 ppm	0.0130 ppm
Concentration per Run	12.0991 ppm	0.0085 ppm	0.0018 ppm	287.9569 ppm	0.0125 ppm	0.0001 ppm	0.0078 ppm
Concentration RSD	0.1 %	2.0 %	36.0 %	0.5 %	5.7 %	96.0 %	25.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0031 ppm	1.7126 ppm	0.0071 ppm	0.2502 ppm	0.0354 ppm	0.0017 ppm	0.0180 ppm
Concentration per Run	0.0029 ppm	1.7025 ppm	0.0058 ppm	0.2516 ppm	0.0355 ppm	0.0028 ppm	0.0182 ppm
Concentration per Run	0.0021 ppm	1.7138 ppm	0.0061 ppm	0.2502 ppm	0.0354 ppm	0.0019 ppm	0.0179 ppm
Concentration per Run	0.0045 ppm	1.7213 ppm	0.0093 ppm	0.2486 ppm	0.0351 ppm	0.0003 ppm	0.0181 ppm
Concentration RSD	38.3 %	0.6 %	27.0 %	0.6 %	0.6 %	77.2 %	0.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0027 ppm	95.6801 %	103.5305 %	91.9863 %	93.1227 %	101.2758 %	95.5546 %
Concentration per Run	0.0025 ppm	95.8344 %	103.2380 %	91.5664 %	93.3953 %	101.2002 %	95.0574 %
Concentration per Run	0.0030 ppm	95.5307 %	103.9146 %	92.1782 %	92.7599 %	101.8987 %	95.8112 %
Concentration per Run	0.0027 ppm	95.6752 %	103.4389 %	92.2143 %	93.2129 %	100.7286 %	95.7953 %
Concentration RSD	9.4 %	0.2 %	0.3 %	0.4 %	0.4 %	0.6 %	0.5 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2571346-28 WG2143838
Analysis started at: 11/26/2025 6:18:56 PM
Comment <Comment>
Rack Number 3
Vial Numbers 9

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	0.0480 ppm	-0.0015 ppm	0.0113 ppm	0.0104 ppm	0.0000 ppm	49.7784 ppm
Concentration per Run	-0.0006 ppm	0.0388 ppm	-0.0021 ppm	0.0117 ppm	0.0103 ppm	0.0000 ppm	49.8093 ppm
Concentration per Run	0.0002 ppm	0.0535 ppm	-0.0022 ppm	0.0112 ppm	0.0104 ppm	0.0000 ppm	49.9382 ppm
Concentration per Run	-0.0001 ppm	0.0519 ppm	0.0000 ppm	0.0110 ppm	0.0104 ppm	0.0000 ppm	49.5877 ppm
Concentration RSD	225.6 %	16.8 %	85.0 %	3.2 %	0.3 %	151.2 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0003 ppm	0.0006 ppm	0.0013 ppm	0.0679 ppm	4.4225 ppm	0.0090 ppm
Concentration per Run	0.0001 ppm	-0.0002 ppm	0.0006 ppm	0.0012 ppm	0.0678 ppm	4.4417 ppm	0.0080 ppm
Concentration per Run	0.0000 ppm	-0.0002 ppm	0.0004 ppm	0.0016 ppm	0.0677 ppm	4.4269 ppm	0.0088 ppm
Concentration per Run	0.0002 ppm	-0.0003 ppm	0.0007 ppm	0.0011 ppm	0.0680 ppm	4.3988 ppm	0.0101 ppm
Concentration RSD	60.2 %	28.4 %	25.4 %	21.0 %	0.2 %	0.5 %	11.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	5.7808 ppm	0.0578 ppm	0.0004 ppm	2.4863 ppm	0.0018 ppm	-0.0005 ppm	0.0012 ppm
Concentration per Run	5.8083 ppm	0.0583 ppm	0.0006 ppm	2.4823 ppm	0.0016 ppm	-0.0001 ppm	0.0009 ppm
Concentration per Run	5.7758 ppm	0.0579 ppm	0.0006 ppm	2.5022 ppm	0.0023 ppm	0.0001 ppm	0.0010 ppm
Concentration per Run	5.7584 ppm	0.0573 ppm	-0.0001 ppm	2.4744 ppm	0.0013 ppm	-0.0015 ppm	0.0017 ppm
Concentration RSD	0.4 %	0.8 %	107.6 %	0.6 %	29.7 %	167.2 %	37.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0013 ppm	7.4220 ppm	-0.0008 ppm	0.1792 ppm	0.0022 ppm	0.0008 ppm	0.0005 ppm
Concentration per Run	-0.0010 ppm	7.4440 ppm	-0.0011 ppm	0.1791 ppm	0.0025 ppm	0.0012 ppm	0.0002 ppm
Concentration per Run	0.0037 ppm	7.3717 ppm	-0.0007 ppm	0.1797 ppm	0.0022 ppm	0.0007 ppm	0.0006 ppm
Concentration per Run	0.0011 ppm	7.4502 ppm	-0.0006 ppm	0.1789 ppm	0.0019 ppm	0.0006 ppm	0.0007 ppm
Concentration RSD	184.9 %	0.6 %	34.1 %	0.2 %	14.9 %	36.4 %	50.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0025 ppm	104.0383 %	104.8107 %	102.6946 %	102.1733 %	103.0589 %	102.1972 %
Concentration per Run	0.0025 ppm	103.2436 %	104.7199 %	102.7458 %	102.0848 %	103.0181 %	102.1480 %
Concentration per Run	0.0025 ppm	104.6094 %	104.9247 %	103.0527 %	101.9984 %	103.5021 %	102.7392 %
Concentration per Run	0.0024 ppm	104.2618 %	104.7873 %	102.2855 %	102.4367 %	102.6566 %	101.7044 %
Concentration RSD	2.9 %	0.7 %	0.1 %	0.4 %	0.2 %	0.4 %	0.5 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2143838-3 WG2143838
Analysis started at: 11/26/2025 6:21:07 PM
Comment <Comment>
Rack Number 3
Vial Numbers 10

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0457 ppm	1.9153 ppm	0.1191 ppm	1.0382 ppm	1.8281 ppm	0.0466 ppm	59.7980 ppm
Concentration per Run	0.0450 ppm	1.9135 ppm	0.1194 ppm	1.0368 ppm	1.8339 ppm	0.0466 ppm	59.7784 ppm
Concentration per Run	0.0466 ppm	1.9228 ppm	0.1171 ppm	1.0392 ppm	1.8400 ppm	0.0468 ppm	60.1313 ppm
Concentration per Run	0.0456 ppm	1.9096 ppm	0.1208 ppm	1.0387 ppm	1.8106 ppm	0.0464 ppm	59.4843 ppm
Concentration RSD	1.8 %	0.4 %	1.6 %	0.1 %	0.8 %	0.5 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0510 ppm	0.4468 ppm	0.1813 ppm	0.2307 ppm	0.9854 ppm	14.8969 ppm	0.0080 ppm
Concentration per Run	0.0510 ppm	0.4466 ppm	0.1812 ppm	0.2300 ppm	0.9875 ppm	14.9117 ppm	0.0096 ppm
Concentration per Run	0.0511 ppm	0.4464 ppm	0.1806 ppm	0.2315 ppm	0.9883 ppm	14.9686 ppm	0.0071 ppm
Concentration per Run	0.0509 ppm	0.4475 ppm	0.1822 ppm	0.2305 ppm	0.9804 ppm	14.8104 ppm	0.0072 ppm
Concentration RSD	0.2 %	0.1 %	0.5 %	0.3 %	0.4 %	0.5 %	17.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	15.6446 ppm	0.5129 ppm	1.0130 ppm	12.8992 ppm	0.4557 ppm	0.5185 ppm	0.4687 ppm
Concentration per Run	15.6963 ppm	0.5135 ppm	1.0102 ppm	12.8030 ppm	0.4555 ppm	0.5205 ppm	0.4602 ppm
Concentration per Run	15.5919 ppm	0.5151 ppm	1.0150 ppm	12.9952 ppm	0.4552 ppm	0.5165 ppm	0.4751 ppm
Concentration per Run	15.6455 ppm	0.5100 ppm	1.0139 ppm	12.8994 ppm	0.4562 ppm	0.5186 ppm	0.4709 ppm
Concentration RSD	0.3 %	0.5 %	0.2 %	0.7 %	0.1 %	0.4 %	1.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1234 ppm	8.6207 ppm	0.9827 ppm	1.1451 ppm	1.0153 ppm	0.1233 ppm	0.4695 ppm
Concentration per Run	0.1248 ppm	8.6063 ppm	0.9804 ppm	1.1497 ppm	1.0147 ppm	0.1222 ppm	0.4684 ppm
Concentration per Run	0.1235 ppm	8.6334 ppm	0.9843 ppm	1.1505 ppm	1.0134 ppm	0.1240 ppm	0.4698 ppm
Concentration per Run	0.1218 ppm	8.6225 ppm	0.9832 ppm	1.1350 ppm	1.0178 ppm	0.1236 ppm	0.4703 ppm
Concentration RSD	1.2 %	0.2 %	0.2 %	0.8 %	0.2 %	0.7 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4589 ppm	102.7788 %	104.7711 %	100.7318 %	100.7106 %	103.0368 %	101.0995 %
Concentration per Run	0.4589 ppm	102.5969 %	103.9032 %	99.9002 %	100.7721 %	102.3057 %	100.2569 %
Concentration per Run	0.4585 ppm	102.7483 %	105.4694 %	100.9544 %	100.5149 %	104.6713 %	101.2147 %
Concentration per Run	0.4593 ppm	102.9911 %	104.9407 %	101.3408 %	100.8448 %	102.1332 %	101.8269 %
Concentration RSD	0.1 %	0.2 %	0.8 %	0.7 %	0.2 %	1.4 %	0.8 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2143838-4 WG2143838
Analysis started at: 11/26/2025 6:23:18 PM
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Rack Number 3
Vial Numbers 11

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0005 ppm	0.0546 ppm	0.0000 ppm	0.0089 ppm	0.0107 ppm	0.0000 ppm	50.1447 ppm
Concentration per Run	0.0000 ppm	0.0522 ppm	0.0032 ppm	0.0095 ppm	0.0107 ppm	0.0001 ppm	49.9961 ppm
Concentration per Run	-0.0010 ppm	0.0640 ppm	-0.0012 ppm	0.0086 ppm	0.0107 ppm	0.0000 ppm	50.5454 ppm
Concentration per Run	-0.0005 ppm	0.0476 ppm	-0.0021 ppm	0.0085 ppm	0.0106 ppm	0.0000 ppm	49.8924 ppm
Concentration RSD	94.3 %	15.5 %	11,497.8 %	6.5 %	1.0 %	49.1 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0002 ppm	0.0002 ppm	0.0013 ppm	0.0730 ppm	4.3385 ppm	0.0082 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	-0.0001 ppm	0.0012 ppm	0.0729 ppm	4.3511 ppm	0.0090 ppm
Concentration per Run	0.0001 ppm	0.0004 ppm	0.0005 ppm	0.0012 ppm	0.0745 ppm	4.3573 ppm	0.0081 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0015 ppm	0.0715 ppm	4.3069 ppm	0.0074 ppm
Concentration RSD	87.8 %	108.1 %	136.5 %	14.1 %	2.1 %	0.6 %	9.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	5.8158 ppm	0.0578 ppm	0.0013 ppm	2.4985 ppm	0.0023 ppm	-0.0009 ppm	-0.0009 ppm
Concentration per Run	5.8120 ppm	0.0577 ppm	0.0012 ppm	2.4925 ppm	0.0021 ppm	-0.0012 ppm	-0.0025 ppm
Concentration per Run	5.8314 ppm	0.0580 ppm	0.0013 ppm	2.5271 ppm	0.0023 ppm	-0.0009 ppm	0.0005 ppm
Concentration per Run	5.8039 ppm	0.0579 ppm	0.0014 ppm	2.4760 ppm	0.0024 ppm	-0.0007 ppm	-0.0008 ppm
Concentration RSD	0.2 %	0.3 %	8.1 %	1.0 %	6.9 %	29.6 %	161.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0012 ppm	7.4539 ppm	0.0022 ppm	0.1816 ppm	0.0024 ppm	0.0012 ppm	0.0004 ppm
Concentration per Run	0.0008 ppm	7.4843 ppm	0.0020 ppm	0.1807 ppm	0.0021 ppm	0.0025 ppm	0.0005 ppm
Concentration per Run	0.0034 ppm	7.4645 ppm	0.0024 ppm	0.1830 ppm	0.0024 ppm	0.0004 ppm	0.0004 ppm
Concentration per Run	-0.0007 ppm	7.4130 ppm	0.0022 ppm	0.1810 ppm	0.0025 ppm	0.0009 ppm	0.0002 ppm
Concentration RSD	174.6 %	0.5 %	9.7 %	0.7 %	8.2 %	90.5 %	46.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0027 ppm	103.8557 %	105.3349 %	102.7087 %	102.0405 %	103.3051 %	102.3358 %
Concentration per Run	0.0026 ppm	104.2025 %	105.3794 %	102.5649 %	102.4321 %	103.5733 %	102.1113 %
Concentration per Run	0.0029 ppm	103.5591 %	105.0313 %	102.5382 %	101.4018 %	103.6983 %	102.1629 %
Concentration per Run	0.0025 ppm	103.8055 %	105.5939 %	103.0229 %	102.2878 %	102.6435 %	102.7333 %
Concentration RSD	8.1 %	0.3 %	0.3 %	0.3 %	0.5 %	0.6 %	0.3 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2143838-5 WG2143838
Analysis started at: 11/26/2025 6:25:29 PM
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Rack Number 3
Vial Numbers 12

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0005 ppm	0.0509 ppm	-0.0006 ppm	0.0097 ppm	0.0107 ppm	0.0000 ppm	49.9583 ppm
Concentration per Run	-0.0003 ppm	0.0425 ppm	0.0011 ppm	0.0089 ppm	0.0107 ppm	0.0000 ppm	49.7455 ppm
Concentration per Run	-0.0004 ppm	0.0630 ppm	-0.0022 ppm	0.0090 ppm	0.0107 ppm	0.0000 ppm	50.2484 ppm
Concentration per Run	-0.0006 ppm	0.0471 ppm	-0.0008 ppm	0.0111 ppm	0.0107 ppm	0.0000 ppm	49.8811 ppm
Concentration RSD	32.1 %	21.1 %	258.2 %	13.0 %	0.4 %	34.4 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0002 ppm	0.0006 ppm	0.0007 ppm	0.0684 ppm	4.3271 ppm	0.0076 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	0.0003 ppm	0.0008 ppm	0.0683 ppm	4.3077 ppm	0.0071 ppm
Concentration per Run	0.0000 ppm	0.0003 ppm	0.0010 ppm	0.0006 ppm	0.0687 ppm	4.3633 ppm	0.0074 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	0.0004 ppm	0.0006 ppm	0.0682 ppm	4.3102 ppm	0.0084 ppm
Concentration RSD	109.7 %	57.9 %	68.8 %	15.0 %	0.4 %	0.7 %	8.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	5.7804 ppm	0.0580 ppm	0.0003 ppm	2.4952 ppm	0.0018 ppm	-0.0004 ppm	-0.0002 ppm
Concentration per Run	5.7924 ppm	0.0580 ppm	0.0004 ppm	2.4700 ppm	0.0024 ppm	0.0005 ppm	-0.0019 ppm
Concentration per Run	5.7827 ppm	0.0584 ppm	0.0000 ppm	2.5258 ppm	0.0015 ppm	-0.0003 ppm	-0.0002 ppm
Concentration per Run	5.7661 ppm	0.0577 ppm	0.0006 ppm	2.4898 ppm	0.0015 ppm	-0.0013 ppm	0.0017 ppm
Concentration RSD	0.2 %	0.6 %	93.7 %	1.1 %	29.1 %	237.5 %	1,158.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0012 ppm	7.4427 ppm	0.0000 ppm	0.1805 ppm	0.0022 ppm	0.0010 ppm	0.0004 ppm
Concentration per Run	-0.0012 ppm	7.4673 ppm	0.0002 ppm	0.1794 ppm	0.0022 ppm	0.0015 ppm	0.0004 ppm
Concentration per Run	0.0025 ppm	7.4110 ppm	0.0016 ppm	0.1817 ppm	0.0022 ppm	0.0003 ppm	0.0005 ppm
Concentration per Run	0.0024 ppm	7.4497 ppm	-0.0018 ppm	0.1804 ppm	0.0021 ppm	0.0013 ppm	0.0003 ppm
Concentration RSD	173.3 %	0.4 %	5,443.5 %	0.7 %	1.5 %	61.9 %	28.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0024 ppm	103.7659 %	104.8746 %	102.7369 %	102.1695 %	102.7848 %	102.2708 %
Concentration per Run	0.0025 ppm	104.0519 %	105.4046 %	103.1248 %	102.7152 %	103.1383 %	102.4935 %
Concentration per Run	0.0022 ppm	103.4481 %	104.3042 %	102.2318 %	101.5437 %	102.5808 %	102.0197 %
Concentration per Run	0.0024 ppm	103.7978 %	104.9152 %	102.8539 %	102.2497 %	102.6354 %	102.2990 %
Concentration RSD	7.8 %	0.3 %	0.5 %	0.4 %	0.6 %	0.3 %	0.2 %

ICP DataTrace 11

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LabBook: WG2146815_11262025T11.imexp

Sample: WG2143838-6d5 WG2143838
Analysis started at: 11/26/2025 6:27:40 PM
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Rack Number 3
Vial Numbers 13

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0003 ppm	0.0091 ppm	-0.0017 ppm	0.0035 ppm	0.0023 ppm	0.0000 ppm	10.1418 ppm
Concentration per Run	-0.0004 ppm	0.0113 ppm	-0.0028 ppm	0.0031 ppm	0.0023 ppm	0.0000 ppm	10.1797 ppm
Concentration per Run	0.0001 ppm	0.0041 ppm	-0.0025 ppm	0.0034 ppm	0.0022 ppm	0.0000 ppm	10.1127 ppm
Concentration per Run	-0.0006 ppm	0.0118 ppm	0.0002 ppm	0.0039 ppm	0.0023 ppm	0.0000 ppm	10.1329 ppm
Concentration RSD	119.0 %	47.3 %	98.9 %	11.2 %	3.9 %	49.7 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0001 ppm	-0.0003 ppm	0.0008 ppm	0.0148 ppm	0.9148 ppm	0.0013 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	-0.0004 ppm	0.0011 ppm	0.0153 ppm	0.9115 ppm	0.0011 ppm
Concentration per Run	0.0001 ppm	-0.0001 ppm	0.0001 ppm	0.0008 ppm	0.0141 ppm	0.9024 ppm	0.0007 ppm
Concentration per Run	0.0002 ppm	-0.0003 ppm	-0.0005 ppm	0.0006 ppm	0.0150 ppm	0.9304 ppm	0.0020 ppm
Concentration RSD	38.4 %	178.1 %	120.6 %	26.1 %	4.3 %	1.6 %	53.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	1.1710 ppm	0.0117 ppm	0.0001 ppm	0.5186 ppm	0.0009 ppm	-0.0002 ppm	0.0026 ppm
Concentration per Run	1.1737 ppm	0.0118 ppm	0.0001 ppm	0.5208 ppm	0.0010 ppm	-0.0006 ppm	0.0055 ppm
Concentration per Run	1.1689 ppm	0.0117 ppm	0.0003 ppm	0.5186 ppm	0.0014 ppm	0.0008 ppm	-0.0007 ppm
Concentration per Run	1.1705 ppm	0.0117 ppm	-0.0001 ppm	0.5165 ppm	0.0003 ppm	-0.0007 ppm	0.0029 ppm
Concentration RSD	0.2 %	0.6 %	184.9 %	0.4 %	65.3 %	497.4 %	119.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0022 ppm	1.4510 ppm	0.0011 ppm	0.0361 ppm	0.0003 ppm	0.0013 ppm	0.0001 ppm
Concentration per Run	-0.0014 ppm	1.4539 ppm	-0.0001 ppm	0.0364 ppm	-0.0002 ppm	0.0007 ppm	0.0001 ppm
Concentration per Run	0.0013 ppm	1.4476 ppm	0.0020 ppm	0.0361 ppm	0.0004 ppm	0.0015 ppm	0.0003 ppm
Concentration per Run	0.0068 ppm	1.4515 ppm	0.0015 ppm	0.0359 ppm	0.0006 ppm	0.0016 ppm	0.0000 ppm
Concentration RSD	187.4 %	0.2 %	94.3 %	0.6 %	146.6 %	37.5 %	100.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0005 ppm	104.4879 %	104.3881 %	104.4301 %	102.7473 %	102.6633 %	102.5690 %
Concentration per Run	0.0005 ppm	103.7814 %	104.8903 %	104.5943 %	102.0748 %	103.6969 %	102.6346 %
Concentration per Run	0.0006 ppm	105.1116 %	104.8956 %	104.5357 %	103.7074 %	102.7415 %	102.7195 %
Concentration per Run	0.0005 ppm	104.5708 %	103.3784 %	104.1603 %	102.4596 %	101.5516 %	102.3530 %
Concentration RSD	15.0 %	0.6 %	0.8 %	0.2 %	0.8 %	1.0 %	0.2 %

ICP DataTrace 11

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LabBook: WG2146815_11262025T11.imexp

Sample: CCV
Analysis started at: 11/26/2025 6:29:51 PM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4869 ppm	0.4829 ppm	0.4668 ppm	0.4829 ppm	0.4867 ppm	0.4937 ppm	0.4911 ppm
Concentration per Run	0.4867 ppm	0.4859 ppm	0.4651 ppm	0.4830 ppm	0.4834 ppm	0.4914 ppm	0.4929 ppm
Concentration per Run	0.4873 ppm	0.4828 ppm	0.4681 ppm	0.4864 ppm	0.4914 ppm	0.4973 ppm	0.4875 ppm
Concentration per Run	0.4867 ppm	0.4800 ppm	0.4672 ppm	0.4794 ppm	0.4855 ppm	0.4922 ppm	0.4929 ppm
Recovery Percentage	97.382 %	96.579 %	93.358 %	96.585 %	97.349 %	98.731 %	98.215 %
Concentration RSD	0.1 %	0.6 %	0.3 %	0.7 %	0.9 %	0.6 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4882 ppm	0.4971 ppm	0.4904 ppm	0.5003 ppm	0.4883 ppm	5.1580 ppm	0.5010 ppm
Concentration per Run	0.4873 ppm	0.4984 ppm	0.4888 ppm	0.4996 ppm	0.4874 ppm	5.1348 ppm	0.5007 ppm
Concentration per Run	0.4897 ppm	0.4963 ppm	0.4934 ppm	0.5011 ppm	0.4890 ppm	5.1989 ppm	0.5061 ppm
Concentration per Run	0.4876 ppm	0.4967 ppm	0.4890 ppm	0.5001 ppm	0.4886 ppm	5.1404 ppm	0.4964 ppm
Recovery Percentage	97.639 %	99.425 %	98.079 %	100.051 %	97.669 %	103.160 %	100.210 %
Concentration RSD	0.3 %	0.2 %	0.5 %	0.2 %	0.2 %	0.7 %	1.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4899 ppm	0.4971 ppm	0.4778 ppm	9.9788 ppm	0.5007 ppm	0.4929 ppm	0.4972 ppm
Concentration per Run	0.4904 ppm	0.4962 ppm	0.4769 ppm	9.9759 ppm	0.4993 ppm	0.4943 ppm	0.4918 ppm
Concentration per Run	0.4872 ppm	0.5006 ppm	0.4800 ppm	10.0253 ppm	0.5022 ppm	0.4928 ppm	0.5018 ppm
Concentration per Run	0.4923 ppm	0.4946 ppm	0.4766 ppm	9.9352 ppm	0.5004 ppm	0.4916 ppm	0.4981 ppm
Recovery Percentage	97.990 %	99.430 %	95.567 %	99.788 %	100.132 %	98.574 %	99.446 %
Concentration RSD	0.5 %	0.6 %	0.4 %	0.5 %	0.3 %	0.3 %	1.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4788 ppm	5.2318 ppm	0.4836 ppm	0.4805 ppm	0.4894 ppm	0.5028 ppm	0.4946 ppm
Concentration per Run	0.4816 ppm	5.2103 ppm	0.4828 ppm	0.4780 ppm	0.4892 ppm	0.5024 ppm	0.4952 ppm
Concentration per Run	0.4784 ppm	5.2444 ppm	0.4879 ppm	0.4856 ppm	0.4886 ppm	0.5026 ppm	0.4962 ppm
Concentration per Run	0.4763 ppm	5.2407 ppm	0.4800 ppm	0.4780 ppm	0.4903 ppm	0.5033 ppm	0.4923 ppm
Recovery Percentage	95.758 %	99.653 %	96.718 %	96.104 %	97.879 %	100.556 %	98.911 %
Concentration RSD	0.6 %	0.4 %	0.8 %	0.9 %	0.2 %	0.1 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4911 ppm	104.4683 %	103.2804 %	103.4784 %	102.0439 %	101.6330 %	101.9429 %
Concentration per Run	0.4917 ppm	103.9522 %	103.6238 %	102.7691 %	101.4594 %	101.6062 %	101.3892 %
Concentration per Run	0.4927 ppm	104.2040 %	103.2630 %	103.4846 %	102.0521 %	102.1557 %	101.8304 %
Concentration per Run	0.4889 ppm	105.2486 %	102.9543 %	104.1816 %	102.6202 %	101.1373 %	102.6091 %
Recovery Percentage	98.221 %						
Concentration RSD	0.4 %	0.7 %	0.3 %	0.7 %	0.6 %	0.5 %	0.6 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: CCB
Analysis started at: 11/26/2025 6:32:02 PM
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Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	0.0042 ppm	-0.0022 ppm	0.0014 ppm	-0.0002 ppm	0.0000 ppm	0.0043 ppm
Concentration per Run	0.0003 ppm	0.0051 ppm	-0.0025 ppm	0.0014 ppm	-0.0002 ppm	0.0000 ppm	0.0032 ppm
Concentration per Run	-0.0008 ppm	0.0008 ppm	-0.0025 ppm	0.0018 ppm	-0.0001 ppm	0.0000 ppm	0.0067 ppm
Concentration per Run	0.0000 ppm	0.0065 ppm	-0.0015 ppm	0.0011 ppm	-0.0002 ppm	0.0000 ppm	0.0031 ppm
Recovery Percentage	-2.385 %	4.152 %	-43.659 %	4.746 %	-1.743 %	0.487 %	4.343 %
Concentration RSD	329.8 %	71.2 %	28.5 %	22.2 %	31.7 %	75.9 %	47.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0002 ppm	-0.0003 ppm	0.0003 ppm	0.0005 ppm	0.0461 ppm	-0.0005 ppm
Concentration per Run	0.0001 ppm	0.0002 ppm	-0.0003 ppm	0.0003 ppm	0.0020 ppm	0.0460 ppm	0.0010 ppm
Concentration per Run	-0.0001 ppm	-0.0001 ppm	-0.0004 ppm	0.0002 ppm	0.0009 ppm	0.0454 ppm	-0.0013 ppm
Concentration per Run	0.0001 ppm	0.0004 ppm	-0.0003 ppm	0.0004 ppm	-0.0015 ppm	0.0470 ppm	-0.0011 ppm
Recovery Percentage	0.958 %	0.837 %	-3.294 %	2.884 %	0.972 %	1.844 %	-9.023 %
Concentration RSD	208.8 %	152.1 %	11.5 %	21.1 %	368.5 %	1.7 %	286.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0008 ppm	0.0000 ppm	0.0005 ppm	0.0266 ppm	0.0004 ppm	-0.0008 ppm	-0.0006 ppm
Concentration per Run	0.0001 ppm	-0.0001 ppm	0.0003 ppm	0.0288 ppm	0.0009 ppm	-0.0015 ppm	-0.0033 ppm
Concentration per Run	0.0008 ppm	0.0001 ppm	0.0008 ppm	0.0335 ppm	-0.0005 ppm	-0.0013 ppm	0.0024 ppm
Concentration per Run	0.0014 ppm	0.0000 ppm	0.0003 ppm	0.0175 ppm	0.0007 ppm	0.0004 ppm	-0.0009 ppm
Recovery Percentage	0.782 %	-0.090 %	0.962 %	1.331 %	1.425 %	-8.133 %	-1.215 %
Concentration RSD	88.6 %	1,033.0 %	65.0 %	31.0 %	211.0 %	131.5 %	471.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0010 ppm	0.0005 ppm	0.0001 ppm	0.0000 ppm	0.0006 ppm	0.0010 ppm	-0.0002 ppm
Concentration per Run	-0.0050 ppm	-0.0003 ppm	-0.0003 ppm	-0.0001 ppm	0.0005 ppm	0.0004 ppm	0.0000 ppm
Concentration per Run	0.0043 ppm	0.0001 ppm	0.0007 ppm	0.0000 ppm	0.0008 ppm	0.0012 ppm	-0.0003 ppm
Concentration per Run	0.0038 ppm	0.0018 ppm	0.0000 ppm	0.0000 ppm	0.0006 ppm	0.0014 ppm	-0.0002 ppm
Recovery Percentage	10.248 %	0.104 %	0.270 %	-0.284 %	6.466 %	4.911 %	-1.586 %
Concentration RSD	512.0 %	211.1 %	360.4 %	233.9 %	23.2 %	52.9 %	92.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0001 ppm	101.7301 %	101.8022 %	101.6650 %	101.7764 %	101.4211 %	101.1139 %
Concentration per Run	0.0005 ppm	101.8836 %	102.0294 %	102.0809 %	101.8373 %	101.5327 %	101.4631 %
Concentration per Run	-0.0001 ppm	101.2865 %	101.3257 %	101.5658 %	101.8128 %	100.5614 %	100.7832 %
Concentration per Run	-0.0002 ppm	102.0202 %	102.0515 %	101.3482 %	101.6790 %	102.1691 %	101.0954 %
Recovery Percentage	1.084 %						
Concentration RSD	735.6 %	0.4 %	0.4 %	0.4 %	0.1 %	0.8 %	0.3 %

ICP DataTrace 11

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LabBook: WG2146815_11262025T11.imexp

Sample: L2572641-01d20 WG2142906
Analysis started at: 11/26/2025 7:01:05 PM
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Rack Number 3
Vial Numbers 29

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	0.0273 ppm	**0.0072 ppm**	1.2660 ppm	0.0128 ppm	0.0000 ppm	3.4776 ppm
Concentration per Run	0.0001 ppm	0.0271 ppm	0.0075 ppm	1.2655 ppm	0.0127 ppm	0.0000 ppm	3.4684 ppm
Concentration per Run	0.0001 ppm	0.0320 ppm	0.0049 ppm	1.2563 ppm	0.0126 ppm	0.0000 ppm	3.4667 ppm
Concentration per Run	0.0001 ppm	0.0228 ppm	0.0093 ppm	1.2760 ppm	0.0130 ppm	0.0000 ppm	3.4976 ppm
Concentration RSD	19.7 %	16.9 %	**31.0 %**	0.8 %	1.6 %	11,048.4 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0006 ppm	0.0176 ppm	0.0005 ppm	0.2067 ppm	163.0667 ppm	0.0161 ppm
Concentration per Run	0.0000 ppm	0.0005 ppm	0.0175 ppm	0.0007 ppm	0.2072 ppm	161.4124 ppm	0.0162 ppm
Concentration per Run	0.0001 ppm	0.0005 ppm	0.0177 ppm	0.0002 ppm	0.2057 ppm	163.0985 ppm	0.0155 ppm
Concentration per Run	0.0000 ppm	0.0009 ppm	0.0175 ppm	0.0006 ppm	0.2073 ppm	164.6892 ppm	0.0166 ppm
Concentration RSD	49.4 %	40.7 %	0.7 %	50.5 %	0.4 %	1.0 %	3.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	6.1667 ppm	0.0044 ppm	0.0003 ppm	151.0948 ppm	0.0056 ppm	-0.0012 ppm	0.0000 ppm
Concentration per Run	6.1632 ppm	0.0044 ppm	0.0002 ppm	150.8289 ppm	0.0053 ppm	-0.0014 ppm	-0.0002 ppm
Concentration per Run	6.1582 ppm	0.0043 ppm	0.0010 ppm	150.8926 ppm	0.0057 ppm	-0.0009 ppm	-0.0025 ppm
Concentration per Run	6.1787 ppm	0.0046 ppm	-0.0002 ppm	151.5628 ppm	0.0059 ppm	-0.0015 ppm	0.0027 ppm
Concentration RSD	0.2 %	3.7 %	184.9 %	0.3 %	5.9 %	27.5 %	12,642.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0020 ppm	0.8515 ppm	0.0002 ppm	0.1282 ppm	0.0179 ppm	0.0020 ppm	0.0090 ppm
Concentration per Run	0.0005 ppm	0.8534 ppm	0.0002 ppm	0.1276 ppm	0.0180 ppm	0.0014 ppm	0.0092 ppm
Concentration per Run	0.0018 ppm	0.8498 ppm	0.0005 ppm	0.1280 ppm	0.0179 ppm	0.0026 ppm	0.0092 ppm
Concentration per Run	0.0037 ppm	0.8514 ppm	-0.0001 ppm	0.1289 ppm	0.0178 ppm	0.0021 ppm	0.0086 ppm
Concentration RSD	82.5 %	0.2 %	154.3 %	0.5 %	0.6 %	27.9 %	3.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0016 ppm	98.3572 %	104.0021 %	95.2692 %	95.9037 %	101.7689 %	97.5338 %
Concentration per Run	0.0012 ppm	98.1002 %	104.4033 %	95.4187 %	95.5035 %	101.7248 %	97.5354 %
Concentration per Run	0.0016 ppm	98.8193 %	104.4861 %	94.9123 %	96.3071 %	102.2926 %	97.4913 %
Concentration per Run	0.0018 ppm	98.1521 %	103.1170 %	95.4767 %	95.9006 %	101.2893 %	97.5746 %
Concentration RSD	21.5 %	0.4 %	0.7 %	0.3 %	0.4 %	0.5 %	0.0 %

ICP DataTrace 11

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LabBook: WG2146815_11262025T11.imexp

Sample: L2571346-29 WG2143838
Analysis started at: 11/26/2025 7:03:27 PM
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Rack Number 3
Vial Numbers 14

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.6469 ppm	0.0002 ppm	0.0058 ppm	0.0106 ppm	0.0001 ppm	42.5988 ppm
Concentration per Run	0.0000 ppm	0.6415 ppm	-0.0005 ppm	0.0061 ppm	0.0107 ppm	0.0000 ppm	42.4496 ppm
Concentration per Run	0.0000 ppm	0.6495 ppm	0.0010 ppm	0.0063 ppm	0.0105 ppm	0.0001 ppm	42.7541 ppm
Concentration per Run	-0.0001 ppm	0.6496 ppm	0.0002 ppm	0.0050 ppm	0.0106 ppm	0.0001 ppm	42.5927 ppm
Concentration RSD	177.8 %	0.7 %	324.5 %	11.8 %	1.0 %	63.7 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0005 ppm	0.0024 ppm	0.0024 ppm	0.9181 ppm	2.1234 ppm	0.0022 ppm
Concentration per Run	0.0001 ppm	0.0006 ppm	0.0026 ppm	0.0025 ppm	0.9155 ppm	2.1360 ppm	0.0025 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	0.0021 ppm	0.0027 ppm	0.9210 ppm	2.1122 ppm	0.0017 ppm
Concentration per Run	0.0001 ppm	0.0006 ppm	0.0025 ppm	0.0022 ppm	0.9176 ppm	2.1219 ppm	0.0025 ppm
Concentration RSD	26.6 %	31.6 %	10.2 %	10.0 %	0.3 %	0.6 %	21.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	7.9035 ppm	0.0222 ppm	0.0002 ppm	1.9905 ppm	0.0039 ppm	0.0002 ppm	0.0002 ppm
Concentration per Run	7.9105 ppm	0.0220 ppm	0.0002 ppm	1.9857 ppm	0.0046 ppm	0.0003 ppm	0.0017 ppm
Concentration per Run	7.9252 ppm	0.0225 ppm	-0.0002 ppm	1.9972 ppm	0.0043 ppm	0.0003 ppm	-0.0004 ppm
Concentration per Run	7.8747 ppm	0.0220 ppm	0.0006 ppm	1.9887 ppm	0.0028 ppm	0.0001 ppm	-0.0007 ppm
Concentration RSD	0.3 %	1.1 %	170.7 %	0.3 %	23.8 %	61.8 %	634.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0005 ppm	7.1161 ppm	-0.0018 ppm	0.1640 ppm	0.0293 ppm	0.0007 ppm	0.0013 ppm
Concentration per Run	0.0033 ppm	7.1530 ppm	-0.0020 ppm	0.1633 ppm	0.0294 ppm	0.0012 ppm	0.0014 ppm
Concentration per Run	-0.0039 ppm	7.1282 ppm	-0.0017 ppm	0.1649 ppm	0.0294 ppm	0.0009 ppm	0.0014 ppm
Concentration per Run	-0.0010 ppm	7.0671 ppm	-0.0017 ppm	0.1640 ppm	0.0291 ppm	0.0000 ppm	0.0012 ppm
Concentration RSD	708.1 %	0.6 %	10.7 %	0.5 %	0.5 %	86.9 %	7.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0052 ppm	103.6100 %	105.1660 %	102.5188 %	102.1577 %	103.5252 %	102.3185 %
Concentration per Run	0.0054 ppm	103.2249 %	105.6531 %	102.5227 %	102.1730 %	103.6017 %	102.0492 %
Concentration per Run	0.0051 ppm	103.2411 %	105.3212 %	103.1123 %	101.7322 %	104.2110 %	102.8806 %
Concentration per Run	0.0051 ppm	104.3640 %	104.5238 %	101.9214 %	102.5680 %	102.7629 %	102.0258 %
Concentration RSD	3.1 %	0.6 %	0.6 %	0.6 %	0.4 %	0.7 %	0.5 %

ICP DataTrace 11

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LabBook: WG2146815_11262025T11.imexp

Sample: L2571346-32 WG2143838
Analysis started at: 11/26/2025 7:05:39 PM
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Rack Number 3
Vial Numbers 17

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0095 ppm	-0.0007 ppm	0.0073 ppm	0.0154 ppm	0.0001 ppm	41.1469 ppm
Concentration per Run	-0.0005 ppm	0.0105 ppm	0.0011 ppm	0.0071 ppm	0.0154 ppm	0.0000 ppm	41.3040 ppm
Concentration per Run	-0.0003 ppm	0.0129 ppm	-0.0023 ppm	0.0087 ppm	0.0154 ppm	0.0001 ppm	40.9086 ppm
Concentration per Run	0.0006 ppm	0.0053 ppm	-0.0009 ppm	0.0060 ppm	0.0153 ppm	0.0001 ppm	41.2283 ppm
Concentration RSD	986.4 %	40.6 %	244.4 %	18.6 %	0.5 %	33.3 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0012 ppm	-0.0005 ppm	0.0028 ppm	0.0078 ppm	3.8260 ppm	0.0087 ppm
Concentration per Run	0.0000 ppm	0.0013 ppm	0.0000 ppm	0.0026 ppm	0.0075 ppm	3.8590 ppm	0.0080 ppm
Concentration per Run	0.0001 ppm	0.0011 ppm	-0.0008 ppm	0.0030 ppm	0.0085 ppm	3.7928 ppm	0.0098 ppm
Concentration per Run	0.0002 ppm	0.0013 ppm	-0.0007 ppm	0.0029 ppm	0.0074 ppm	3.8263 ppm	0.0082 ppm
Concentration RSD	80.9 %	13.2 %	93.7 %	6.6 %	7.9 %	0.9 %	11.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	13.0334 ppm	0.2072 ppm	-0.0002 ppm	6.9146 ppm	0.0118 ppm	-0.0009 ppm	0.0006 ppm
Concentration per Run	13.0603 ppm	0.2077 ppm	-0.0001 ppm	6.9419 ppm	0.0116 ppm	-0.0007 ppm	0.0000 ppm
Concentration per Run	13.0259 ppm	0.2065 ppm	-0.0001 ppm	6.8800 ppm	0.0126 ppm	-0.0018 ppm	0.0020 ppm
Concentration per Run	13.0140 ppm	0.2075 ppm	-0.0003 ppm	6.9218 ppm	0.0112 ppm	-0.0001 ppm	-0.0001 ppm
Concentration RSD	0.2 %	0.3 %	43.0 %	0.5 %	6.4 %	100.2 %	186.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0014 ppm	13.7362 ppm	-0.0008 ppm	0.1666 ppm	0.0001 ppm	0.0016 ppm	0.0005 ppm
Concentration per Run	0.0015 ppm	13.8163 ppm	-0.0015 ppm	0.1672 ppm	0.0000 ppm	0.0026 ppm	0.0005 ppm
Concentration per Run	0.0015 ppm	13.7022 ppm	-0.0011 ppm	0.1662 ppm	0.0005 ppm	0.0008 ppm	0.0004 ppm
Concentration per Run	0.0011 ppm	13.6901 ppm	0.0004 ppm	0.1665 ppm	-0.0001 ppm	0.0015 ppm	0.0004 ppm
Concentration RSD	15.6 %	0.5 %	138.5 %	0.3 %	236.3 %	53.9 %	13.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0062 ppm	104.2553 %	104.9154 %	102.0335 %	102.3957 %	102.8233 %	101.9094 %
Concentration per Run	0.0062 ppm	103.5647 %	103.9563 %	102.3302 %	102.1299 %	102.3067 %	102.0101 %
Concentration per Run	0.0061 ppm	104.4796 %	105.3710 %	101.9769 %	102.2485 %	102.7879 %	102.0455 %
Concentration per Run	0.0061 ppm	104.7217 %	105.4190 %	101.7935 %	102.8086 %	103.3754 %	101.6725 %
Concentration RSD	1.2 %	0.6 %	0.8 %	0.3 %	0.4 %	0.5 %	0.2 %

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LabBook: WG2146815_11262025T11.imexp

Sample: L2571346-33 WG2143838
Analysis started at: 11/26/2025 7:07:52 PM
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Rack Number 3
Vial Numbers 18

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0855 ppm	-0.0001 ppm	0.0182 ppm	0.0274 ppm	0.0000 ppm	75.2321 ppm
Concentration per Run	0.0000 ppm	0.0841 ppm	0.0000 ppm	0.0164 ppm	0.0273 ppm	0.0000 ppm	74.7600 ppm
Concentration per Run	0.0000 ppm	0.0825 ppm	-0.0010 ppm	0.0184 ppm	0.0273 ppm	0.0000 ppm	74.9604 ppm
Concentration per Run	-0.0002 ppm	0.0897 ppm	0.0008 ppm	0.0197 ppm	0.0277 ppm	0.0000 ppm	75.9759 ppm
Concentration RSD	252.8 %	4.4 %	1,581.8 %	9.2 %	0.9 %	170.5 %	0.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0004 ppm	0.0005 ppm	0.0015 ppm	0.1099 ppm	8.8192 ppm	0.0066 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0017 ppm	0.1104 ppm	8.7609 ppm	0.0101 ppm
Concentration per Run	0.0002 ppm	0.0008 ppm	0.0004 ppm	0.0012 ppm	0.1075 ppm	8.7454 ppm	0.0057 ppm
Concentration per Run	0.0001 ppm	0.0004 ppm	0.0007 ppm	0.0017 ppm	0.1118 ppm	8.9513 ppm	0.0040 ppm
Concentration RSD	57.1 %	98.7 %	41.3 %	19.1 %	2.0 %	1.3 %	47.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	14.9817 ppm	1.5586 ppm	0.0001 ppm	10.4818 ppm	0.0101 ppm	-0.0009 ppm	-0.0018 ppm
Concentration per Run	14.9907 ppm	1.5508 ppm	0.0004 ppm	10.4127 ppm	0.0105 ppm	-0.0009 ppm	-0.0014 ppm
Concentration per Run	14.9893 ppm	1.5550 ppm	0.0000 ppm	10.4323 ppm	0.0092 ppm	-0.0014 ppm	-0.0005 ppm
Concentration per Run	14.9651 ppm	1.5701 ppm	-0.0002 ppm	10.6005 ppm	0.0106 ppm	-0.0003 ppm	-0.0034 ppm
Concentration RSD	0.1 %	0.6 %	329.2 %	1.0 %	7.7 %	59.8 %	82.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0007 ppm	9.8551 ppm	-0.0013 ppm	0.5287 ppm	0.0041 ppm	0.0009 ppm	0.0003 ppm
Concentration per Run	-0.0017 ppm	9.8804 ppm	-0.0018 ppm	0.5247 ppm	0.0038 ppm	0.0017 ppm	0.0002 ppm
Concentration per Run	0.0018 ppm	9.8283 ppm	-0.0011 ppm	0.5259 ppm	0.0044 ppm	-0.0001 ppm	0.0005 ppm
Concentration per Run	0.0020 ppm	9.8566 ppm	-0.0011 ppm	0.5355 ppm	0.0042 ppm	0.0012 ppm	0.0003 ppm
Concentration RSD	303.4 %	0.3 %	29.5 %	1.1 %	6.3 %	104.0 %	49.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0013 ppm	102.8901 %	105.5193 %	100.5268 %	100.9347 %	103.0403 %	100.9621 %
Concentration per Run	0.0014 ppm	103.0484 %	105.9750 %	100.9421 %	101.2433 %	103.1125 %	101.1780 %
Concentration per Run	0.0011 ppm	103.1321 %	106.0460 %	100.3384 %	100.9752 %	102.8824 %	100.8427 %
Concentration per Run	0.0013 ppm	102.4898 %	104.5369 %	100.2999 %	100.5855 %	103.1260 %	100.8655 %
Concentration RSD	11.1 %	0.3 %	0.8 %	0.4 %	0.3 %	0.1 %	0.2 %

ICP DataTrace 11

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LabBook: WG2146815_11262025T11.imexp

Sample: L2571346-34 WG2143838
Analysis started at: 11/26/2025 7:10:05 PM
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Rack Number 3
Vial Numbers 19

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0003 ppm	0.0175 ppm	0.0055 ppm	0.0096 ppm	0.0015 ppm	0.0000 ppm	21.9498 ppm
Concentration per Run	0.0002 ppm	0.0109 ppm	0.0069 ppm	0.0096 ppm	0.0015 ppm	0.0000 ppm	22.0076 ppm
Concentration per Run	0.0003 ppm	0.0193 ppm	0.0043 ppm	0.0114 ppm	0.0015 ppm	0.0000 ppm	21.9224 ppm
Concentration per Run	0.0003 ppm	0.0223 ppm	0.0053 ppm	0.0078 ppm	0.0015 ppm	0.0001 ppm	21.9193 ppm
Concentration RSD	24.7 %	33.8 %	23.8 %	18.8 %	1.7 %	85.7 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0018 ppm	0.0005 ppm	0.0045 ppm	2.0863 ppm	0.0064 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	0.0017 ppm	0.0005 ppm	0.0047 ppm	2.1150 ppm	0.0058 ppm
Concentration per Run	0.0000 ppm	-0.0005 ppm	0.0022 ppm	0.0004 ppm	0.0037 ppm	2.0532 ppm	0.0071 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	0.0015 ppm	0.0005 ppm	0.0051 ppm	2.0906 ppm	0.0065 ppm
Concentration RSD	135.6 %	133.1 %	21.7 %	21.0 %	16.3 %	1.5 %	10.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	2.5019 ppm	0.0000 ppm	0.0013 ppm	4.0921 ppm	0.0010 ppm	-0.0005 ppm	-0.0002 ppm
Concentration per Run	2.5082 ppm	-0.0001 ppm	0.0015 ppm	4.1083 ppm	0.0009 ppm	-0.0004 ppm	0.0018 ppm
Concentration per Run	2.5042 ppm	0.0000 ppm	0.0006 ppm	4.0755 ppm	0.0010 ppm	-0.0008 ppm	-0.0016 ppm
Concentration per Run	2.4935 ppm	0.0002 ppm	0.0017 ppm	4.0926 ppm	0.0010 ppm	-0.0003 ppm	-0.0008 ppm
Concentration RSD	0.3 %	452.5 %	45.7 %	0.4 %	4.7 %	52.4 %	910.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0012 ppm	6.0039 ppm	-0.0007 ppm	0.0715 ppm	0.0005 ppm	0.0023 ppm	0.0017 ppm
Concentration per Run	0.0029 ppm	5.9967 ppm	-0.0008 ppm	0.0717 ppm	0.0008 ppm	0.0020 ppm	0.0017 ppm
Concentration per Run	0.0039 ppm	6.0121 ppm	-0.0015 ppm	0.0710 ppm	0.0004 ppm	0.0023 ppm	0.0016 ppm
Concentration per Run	-0.0033 ppm	6.0029 ppm	0.0001 ppm	0.0718 ppm	0.0003 ppm	0.0026 ppm	0.0017 ppm
Concentration RSD	333.8 %	0.1 %	114.2 %	0.6 %	54.2 %	14.2 %	4.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0004 ppm	104.8147 %	105.5382 %	104.6755 %	103.0166 %	103.4475 %	103.6044 %
Concentration per Run	0.0006 ppm	104.8370 %	105.1963 %	104.8045 %	103.0367 %	103.4381 %	103.7556 %
Concentration per Run	0.0002 ppm	104.8330 %	106.4439 %	104.7349 %	103.2558 %	103.9242 %	103.6089 %
Concentration per Run	0.0004 ppm	104.7740 %	104.9745 %	104.4869 %	102.7573 %	102.9802 %	103.4485 %
Concentration RSD	54.3 %	0.0 %	0.8 %	0.2 %	0.2 %	0.5 %	0.1 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2573057-01 WG2144085
Analysis started at: 11/26/2025 7:12:16 PM
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Rack Number 3
Vial Numbers 23

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0003 ppm	0.0085 ppm	0.4021 ppm	0.3561 ppm	0.1111 ppm	0.0000 ppm	55.8121 ppm
Concentration per Run	0.0008 ppm	0.0158 ppm	0.3999 ppm	0.3588 ppm	0.1107 ppm	0.0000 ppm	55.6114 ppm
Concentration per Run	-0.0001 ppm	0.0053 ppm	0.4025 ppm	0.3563 ppm	0.1113 ppm	0.0000 ppm	55.8795 ppm
Concentration per Run	0.0003 ppm	0.0045 ppm	0.4039 ppm	0.3532 ppm	0.1113 ppm	0.0000 ppm	55.9454 ppm
Concentration RSD	144.5 %	73.9 %	0.5 %	0.8 %	0.3 %	24.6 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0042 ppm	0.0009 ppm	0.0020 ppm	25.1121 ppm	14.0175 ppm	0.0044 ppm
Concentration per Run	0.0002 ppm	0.0046 ppm	0.0002 ppm	0.0024 ppm	24.9979 ppm	13.9544 ppm	0.0056 ppm
Concentration per Run	0.0001 ppm	0.0038 ppm	0.0016 ppm	0.0020 ppm	25.1407 ppm	14.0524 ppm	0.0039 ppm
Concentration per Run	0.0001 ppm	0.0041 ppm	0.0008 ppm	0.0014 ppm	25.1977 ppm	14.0457 ppm	0.0037 ppm
Concentration RSD	42.3 %	9.4 %	80.4 %	24.5 %	0.4 %	0.4 %	24.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	30.5967 ppm	0.8426 ppm	0.0018 ppm	60.1300 ppm	0.0060 ppm	-0.0011 ppm	-0.0012 ppm
Concentration per Run	30.6739 ppm	0.8389 ppm	0.0017 ppm	59.9847 ppm	0.0063 ppm	-0.0012 ppm	-0.0001 ppm
Concentration per Run	30.6145 ppm	0.8439 ppm	0.0018 ppm	60.0449 ppm	0.0059 ppm	-0.0006 ppm	-0.0024 ppm
Concentration per Run	30.5017 ppm	0.8452 ppm	0.0020 ppm	60.3604 ppm	0.0057 ppm	-0.0015 ppm	-0.0010 ppm
Concentration RSD	0.3 %	0.4 %	10.0 %	0.3 %	5.1 %	42.0 %	98.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0001 ppm	15.6740 ppm	-0.0009 ppm	0.3939 ppm	0.0002 ppm	0.0024 ppm	0.0001 ppm
Concentration per Run	-0.0003 ppm	15.6673 ppm	-0.0014 ppm	0.3927 ppm	-0.0001 ppm	0.0020 ppm	0.0001 ppm
Concentration per Run	0.0002 ppm	15.6820 ppm	-0.0005 ppm	0.3953 ppm	0.0004 ppm	0.0036 ppm	-0.0001 ppm
Concentration per Run	-0.0002 ppm	15.6728 ppm	-0.0009 ppm	0.3938 ppm	0.0003 ppm	0.0017 ppm	0.0001 ppm
Concentration RSD	319.9 %	0.0 %	50.0 %	0.3 %	121.1 %	40.1 %	315.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0018 ppm	101.7384 %	105.6452 %	98.1295 %	99.0319 %	102.7449 %	99.5799 %
Concentration per Run	0.0018 ppm	101.4218 %	105.7468 %	97.7329 %	98.6546 %	102.5124 %	98.9484 %
Concentration per Run	0.0018 ppm	101.7304 %	105.5162 %	98.4906 %	99.0189 %	102.7601 %	99.9998 %
Concentration per Run	0.0017 ppm	102.0630 %	105.6727 %	98.1649 %	99.4221 %	102.9621 %	99.7915 %
Concentration RSD	2.9 %	0.3 %	0.1 %	0.4 %	0.4 %	0.2 %	0.6 %

ICP DataTrace 11

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LabBook: WG2146815_11262025T11.imexp

Sample: WG2144085-3 WG2144085
Analysis started at: 11/26/2025 7:14:28 PM
Comment <Comment>
Rack Number 3
Vial Numbers 24

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0454 ppm	1.8341 ppm	0.5301 ppm	1.3633 ppm	1.8918 ppm	0.0457 ppm	65.3224 ppm
Concentration per Run	0.0456 ppm	1.8407 ppm	0.5292 ppm	1.3669 ppm	1.8892 ppm	0.0459 ppm	65.2055 ppm
Concentration per Run	0.0451 ppm	1.8325 ppm	0.5307 ppm	1.3652 ppm	1.8974 ppm	0.0457 ppm	65.5212 ppm
Concentration per Run	0.0455 ppm	1.8292 ppm	0.5302 ppm	1.3579 ppm	1.8887 ppm	0.0455 ppm	65.2403 ppm
Concentration RSD	0.6 %	0.3 %	0.1 %	0.4 %	0.3 %	0.4 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0499 ppm	0.4411 ppm	0.1778 ppm	0.2264 ppm	25.7284 ppm	24.2187 ppm	0.0026 ppm
Concentration per Run	0.0498 ppm	0.4419 ppm	0.1779 ppm	0.2267 ppm	25.7444 ppm	24.2297 ppm	0.0034 ppm
Concentration per Run	0.0502 ppm	0.4410 ppm	0.1779 ppm	0.2262 ppm	25.7581 ppm	24.2722 ppm	0.0041 ppm
Concentration per Run	0.0496 ppm	0.4404 ppm	0.1775 ppm	0.2264 ppm	25.6828 ppm	24.1543 ppm	0.0004 ppm
Concentration RSD	0.6 %	0.2 %	0.1 %	0.1 %	0.2 %	0.2 %	75.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	40.1319 ppm	1.2820 ppm	0.9998 ppm	70.0396 ppm	0.4491 ppm	0.5146 ppm	0.4917 ppm
Concentration per Run	40.2539 ppm	1.2813 ppm	1.0006 ppm	69.8872 ppm	0.4499 ppm	0.5151 ppm	0.4934 ppm
Concentration per Run	40.1689 ppm	1.2848 ppm	1.0062 ppm	70.4085 ppm	0.4483 ppm	0.5154 ppm	0.4942 ppm
Concentration per Run	39.9729 ppm	1.2798 ppm	0.9925 ppm	69.8232 ppm	0.4491 ppm	0.5133 ppm	0.4874 ppm
Concentration RSD	0.4 %	0.2 %	0.7 %	0.5 %	0.2 %	0.2 %	0.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1227 ppm	16.7795 ppm	0.9547 ppm	1.3390 ppm	0.9963 ppm	0.1205 ppm	0.4665 ppm
Concentration per Run	0.1249 ppm	16.7639 ppm	0.9588 ppm	1.3361 ppm	0.9942 ppm	0.1208 ppm	0.4676 ppm
Concentration per Run	0.1251 ppm	16.8475 ppm	0.9613 ppm	1.3440 ppm	0.9972 ppm	0.1197 ppm	0.4675 ppm
Concentration per Run	0.1181 ppm	16.7272 ppm	0.9439 ppm	1.3367 ppm	0.9976 ppm	0.1211 ppm	0.4643 ppm
Concentration RSD	3.3 %	0.4 %	1.0 %	0.3 %	0.2 %	0.6 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4466 ppm	101.6236 %	106.5138 %	97.1970 %	99.0234 %	103.8437 %	99.3796 %
Concentration per Run	0.4486 ppm	101.4727 %	106.4434 %	97.2878 %	98.9789 %	103.7395 %	99.4387 %
Concentration per Run	0.4478 ppm	101.7811 %	106.6822 %	97.4407 %	99.3287 %	104.2293 %	99.6633 %
Concentration per Run	0.4432 ppm	101.6171 %	106.4158 %	96.8625 %	98.7624 %	103.5622 %	99.0368 %
Concentration RSD	0.6 %	0.2 %	0.1 %	0.3 %	0.3 %	0.3 %	0.3 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2144085-4 WG2144085
Analysis started at: 11/26/2025 7:16:39 PM
Comment <Comment>
Rack Number 3
Vial Numbers 25

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	0.0032 ppm	0.4000 ppm	0.3540 ppm	0.1103 ppm	0.0001 ppm	55.5014 ppm
Concentration per Run	0.0002 ppm	-0.0020 ppm	0.3977 ppm	0.3517 ppm	0.1105 ppm	0.0001 ppm	55.4810 ppm
Concentration per Run	0.0000 ppm	0.0065 ppm	0.3959 ppm	0.3549 ppm	0.1107 ppm	0.0001 ppm	55.8104 ppm
Concentration per Run	-0.0001 ppm	0.0050 ppm	0.4064 ppm	0.3553 ppm	0.1098 ppm	0.0000 ppm	55.2127 ppm
Concentration RSD	237.1 %	142.6 %	1.4 %	0.6 %	0.4 %	45.0 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0039 ppm	0.0010 ppm	0.0011 ppm	24.9529 ppm	13.9446 ppm	0.0016 ppm
Concentration per Run	0.0002 ppm	0.0041 ppm	0.0009 ppm	0.0007 ppm	25.0433 ppm	13.9324 ppm	0.0019 ppm
Concentration per Run	0.0001 ppm	0.0040 ppm	0.0011 ppm	0.0011 ppm	24.9886 ppm	14.0045 ppm	0.0014 ppm
Concentration per Run	0.0001 ppm	0.0035 ppm	0.0011 ppm	0.0014 ppm	24.8269 ppm	13.8968 ppm	0.0016 ppm
Concentration RSD	48.5 %	7.6 %	10.9 %	32.6 %	0.5 %	0.4 %	16.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	30.3325 ppm	0.8385 ppm	0.0026 ppm	59.9541 ppm	0.0067 ppm	-0.0010 ppm	-0.0013 ppm
Concentration per Run	30.4142 ppm	0.8386 ppm	0.0028 ppm	59.7828 ppm	0.0063 ppm	-0.0005 ppm	-0.0006 ppm
Concentration per Run	30.3750 ppm	0.8435 ppm	0.0027 ppm	60.3542 ppm	0.0067 ppm	-0.0008 ppm	-0.0045 ppm
Concentration per Run	30.2082 ppm	0.8333 ppm	0.0023 ppm	59.7252 ppm	0.0069 ppm	-0.0018 ppm	0.0012 ppm
Concentration RSD	0.4 %	0.6 %	9.8 %	0.6 %	4.7 %	63.9 %	227.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0008 ppm	15.6154 ppm	0.0020 ppm	0.3916 ppm	0.0006 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run	0.0001 ppm	15.5997 ppm	0.0013 ppm	0.3916 ppm	0.0009 ppm	0.0009 ppm	0.0003 ppm
Concentration per Run	0.0008 ppm	15.6199 ppm	0.0032 ppm	0.3928 ppm	0.0003 ppm	-0.0003 ppm	0.0000 ppm
Concentration per Run	0.0016 ppm	15.6264 ppm	0.0016 ppm	0.3903 ppm	0.0007 ppm	0.0007 ppm	0.0001 ppm
Concentration RSD	89.1 %	0.1 %	49.2 %	0.3 %	47.4 %	157.9 %	114.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0015 ppm	102.0208 %	104.9779 %	97.7224 %	99.7916 %	102.6588 %	99.4423 %
Concentration per Run	0.0013 ppm	101.9673 %	105.0144 %	98.2705 %	99.4887 %	102.8839 %	99.7754 %
Concentration per Run	0.0016 ppm	101.4804 %	104.3297 %	97.7422 %	99.3990 %	102.5384 %	99.2783 %
Concentration per Run	0.0014 ppm	102.6148 %	105.5897 %	97.1546 %	100.4872 %	102.5541 %	99.2731 %
Concentration RSD	9.8 %	0.6 %	0.6 %	0.6 %	0.6 %	0.2 %	0.3 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2144085-5 WG2144085
Analysis started at: 11/26/2025 7:18:50 PM
Comment <Comment>
Rack Number 3
Vial Numbers 26

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0195 ppm	2.1464 ppm	0.5181 ppm	1.3533 ppm	2.1751 ppm	0.0532 ppm	64.3653 ppm
Concentration per Run	0.0198 ppm	2.1439 ppm	0.5196 ppm	1.3526 ppm	2.1631 ppm	0.0530 ppm	64.1307 ppm
Concentration per Run	0.0192 ppm	2.1375 ppm	0.5165 ppm	1.3562 ppm	2.1671 ppm	0.0529 ppm	64.1492 ppm
Concentration per Run	0.0194 ppm	2.1577 ppm	0.5183 ppm	1.3512 ppm	2.1951 ppm	0.0536 ppm	64.8159 ppm
Concentration RSD	1.6 %	0.5 %	0.3 %	0.2 %	0.8 %	0.7 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0532 ppm	0.5085 ppm	0.2064 ppm	0.2616 ppm	25.3847 ppm	24.3539 ppm	0.0036 ppm
Concentration per Run	0.0533 ppm	0.5081 ppm	0.2065 ppm	0.2620 ppm	25.2632 ppm	24.2177 ppm	0.0044 ppm
Concentration per Run	0.0532 ppm	0.5090 ppm	0.2061 ppm	0.2613 ppm	25.3479 ppm	24.2577 ppm	0.0021 ppm
Concentration per Run	0.0531 ppm	0.5085 ppm	0.2066 ppm	0.2615 ppm	25.5431 ppm	24.5864 ppm	0.0044 ppm
Concentration RSD	0.2 %	0.1 %	0.1 %	0.1 %	0.6 %	0.8 %	37.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	39.4139 ppm	1.3343 ppm	0.9948 ppm	69.3836 ppm	0.5172 ppm	0.5325 ppm	0.4614 ppm
Concentration per Run	39.3938 ppm	1.3306 ppm	0.9962 ppm	69.1562 ppm	0.5174 ppm	0.5332 ppm	0.4522 ppm
Concentration per Run	39.4633 ppm	1.3297 ppm	0.9934 ppm	68.8108 ppm	0.5157 ppm	0.5331 ppm	0.4612 ppm
Concentration per Run	39.3845 ppm	1.3427 ppm	0.9948 ppm	70.1840 ppm	0.5186 ppm	0.5312 ppm	0.4707 ppm
Concentration RSD	0.1 %	0.5 %	0.1 %	1.0 %	0.3 %	0.2 %	2.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1257 ppm	16.6969 ppm	0.9810 ppm	1.3563 ppm	1.0178 ppm	0.1224 ppm	0.5362 ppm
Concentration per Run	0.1259 ppm	16.6915 ppm	0.9781 ppm	1.3460 ppm	1.0142 ppm	0.1203 ppm	0.5372 ppm
Concentration per Run	0.1232 ppm	16.7301 ppm	0.9788 ppm	1.3533 ppm	1.0270 ppm	0.1223 ppm	0.5347 ppm
Concentration per Run	0.1280 ppm	16.6691 ppm	0.9862 ppm	1.3695 ppm	1.0123 ppm	0.1247 ppm	0.5367 ppm
Concentration RSD	1.9 %	0.2 %	0.5 %	0.9 %	0.8 %	1.8 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5162 ppm	100.5946 %	104.4675 %	96.8210 %	98.1599 %	102.3470 %	98.7168 %
Concentration per Run	0.5168 ppm	100.7133 %	104.8711 %	97.0053 %	98.1804 %	102.6513 %	99.0439 %
Concentration per Run	0.5169 ppm	100.5174 %	104.4793 %	96.6545 %	98.5019 %	101.8059 %	98.5223 %
Concentration per Run	0.5149 ppm	100.5530 %	104.0521 %	96.8032 %	97.7973 %	102.5837 %	98.5841 %
Concentration RSD	0.2 %	0.1 %	0.4 %	0.2 %	0.4 %	0.5 %	0.3 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2144085-6d5 WG2144085
Analysis started at: 11/26/2025 7:21:03 PM
Comment <Comment>
Rack Number 3
Vial Numbers 27

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0004 ppm	0.0030 ppm	0.0754 ppm	0.0739 ppm	0.0225 ppm	0.0000 ppm	11.5283 ppm
Concentration per Run	0.0005 ppm	-0.0009 ppm	0.0746 ppm	0.0753 ppm	0.0224 ppm	0.0001 ppm	11.4708 ppm
Concentration per Run	0.0006 ppm	0.0021 ppm	0.0755 ppm	0.0718 ppm	0.0225 ppm	0.0000 ppm	11.4657 ppm
Concentration per Run	-0.0001 ppm	0.0077 ppm	0.0763 ppm	0.0745 ppm	0.0226 ppm	0.0000 ppm	11.6482 ppm
Concentration RSD	103.8 %	146.3 %	1.1 %	2.5 %	0.4 %	48.4 %	0.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0010 ppm	0.0004 ppm	0.0005 ppm	5.1728 ppm	2.8797 ppm	0.0012 ppm
Concentration per Run	0.0002 ppm	0.0015 ppm	-0.0001 ppm	0.0007 ppm	5.1532 ppm	2.8761 ppm	-0.0002 ppm
Concentration per Run	0.0000 ppm	0.0007 ppm	0.0008 ppm	0.0002 ppm	5.1644 ppm	2.8807 ppm	0.0010 ppm
Concentration per Run	0.0001 ppm	0.0008 ppm	0.0006 ppm	0.0004 ppm	5.2008 ppm	2.8822 ppm	0.0026 ppm
Concentration RSD	88.5 %	41.2 %	108.3 %	55.7 %	0.5 %	0.1 %	120.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	6.3164 ppm	0.1717 ppm	0.0013 ppm	12.4089 ppm	0.0019 ppm	-0.0008 ppm	0.0045 ppm
Concentration per Run	6.3177 ppm	0.1709 ppm	0.0017 ppm	12.3164 ppm	0.0021 ppm	-0.0004 ppm	0.0028 ppm
Concentration per Run	6.2926 ppm	0.1713 ppm	0.0011 ppm	12.3811 ppm	0.0016 ppm	-0.0009 ppm	0.0058 ppm
Concentration per Run	6.3388 ppm	0.1729 ppm	0.0010 ppm	12.5291 ppm	0.0020 ppm	-0.0012 ppm	0.0050 ppm
Concentration RSD	0.4 %	0.6 %	33.4 %	0.9 %	14.0 %	44.2 %	34.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0028 ppm	3.1014 ppm	0.0041 ppm	0.0805 ppm	0.0007 ppm	0.0011 ppm	0.0000 ppm
Concentration per Run	0.0011 ppm	3.1111 ppm	0.0040 ppm	0.0802 ppm	0.0007 ppm	0.0015 ppm	0.0003 ppm
Concentration per Run	0.0024 ppm	3.0937 ppm	0.0048 ppm	0.0803 ppm	0.0010 ppm	0.0003 ppm	0.0000 ppm
Concentration per Run	0.0049 ppm	3.0995 ppm	0.0036 ppm	0.0811 ppm	0.0005 ppm	0.0016 ppm	-0.0002 ppm
Concentration RSD	68.5 %	0.3 %	15.0 %	0.6 %	33.9 %	61.4 %	1,217.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	103.5269 %	102.9640 %	102.0023 %	101.7399 %	101.0484 %	100.6563 %
Concentration per Run	0.0002 ppm	103.6837 %	103.6919 %	101.6435 %	101.7511 %	101.0561 %	100.5760 %
Concentration per Run	0.0001 ppm	103.4100 %	103.1238 %	101.8673 %	101.4838 %	100.6812 %	100.4902 %
Concentration per Run	0.0003 ppm	103.4868 %	102.0763 %	102.4962 %	101.9848 %	101.4079 %	100.9026 %
Concentration RSD	61.1 %	0.1 %	0.8 %	0.4 %	0.2 %	0.4 %	0.2 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: CCV
Analysis started at: 11/26/2025 7:23:14 PM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4870 ppm	0.4792 ppm	0.4621 ppm	0.4761 ppm	0.4837 ppm	0.4926 ppm	0.4895 ppm
Concentration per Run	0.4878 ppm	0.4772 ppm	0.4638 ppm	0.4756 ppm	0.4835 ppm	0.4911 ppm	0.4885 ppm
Concentration per Run	0.4867 ppm	0.4843 ppm	0.4632 ppm	0.4759 ppm	0.4859 ppm	0.4949 ppm	0.4912 ppm
Concentration per Run	0.4864 ppm	0.4763 ppm	0.4591 ppm	0.4769 ppm	0.4817 ppm	0.4918 ppm	0.4889 ppm
Recovery Percentage	97.394 %	95.850 %	92.412 %	95.225 %	96.738 %	98.522 %	97.905 %
Concentration RSD	0.2 %	0.9 %	0.6 %	0.1 %	0.4 %	0.4 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4866 ppm	0.4966 ppm	0.4912 ppm	0.4983 ppm	0.4853 ppm	5.1196 ppm	0.4974 ppm
Concentration per Run	0.4866 ppm	0.4969 ppm	0.4913 ppm	0.4981 ppm	0.4876 ppm	5.1009 ppm	0.4990 ppm
Concentration per Run	0.4866 ppm	0.4967 ppm	0.4922 ppm	0.4985 ppm	0.4878 ppm	5.1459 ppm	0.4968 ppm
Concentration per Run	0.4867 ppm	0.4962 ppm	0.4901 ppm	0.4984 ppm	0.4806 ppm	5.1121 ppm	0.4966 ppm
Recovery Percentage	97.324 %	99.320 %	98.241 %	99.662 %	97.068 %	102.393 %	99.488 %
Concentration RSD	0.0 %	0.1 %	0.2 %	0.0 %	0.8 %	0.5 %	0.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4866 ppm	0.4963 ppm	0.4770 ppm	9.9448 ppm	0.4986 ppm	0.4930 ppm	0.4960 ppm
Concentration per Run	0.4882 ppm	0.4959 ppm	0.4777 ppm	9.9767 ppm	0.4998 ppm	0.4933 ppm	0.4959 ppm
Concentration per Run	0.4867 ppm	0.4980 ppm	0.4762 ppm	9.9225 ppm	0.4985 ppm	0.4931 ppm	0.4945 ppm
Concentration per Run	0.4850 ppm	0.4949 ppm	0.4772 ppm	9.9352 ppm	0.4976 ppm	0.4925 ppm	0.4976 ppm
Recovery Percentage	97.329 %	99.254 %	95.409 %	99.448 %	99.729 %	98.596 %	99.200 %
Concentration RSD	0.3 %	0.3 %	0.2 %	0.3 %	0.2 %	0.1 %	0.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4736 ppm	5.2265 ppm	0.4859 ppm	0.4786 ppm	0.4880 ppm	0.5006 ppm	0.4926 ppm
Concentration per Run	0.4735 ppm	5.2012 ppm	0.4854 ppm	0.4790 ppm	0.4883 ppm	0.5050 ppm	0.4927 ppm
Concentration per Run	0.4740 ppm	5.2351 ppm	0.4890 ppm	0.4806 ppm	0.4881 ppm	0.4991 ppm	0.4936 ppm
Concentration per Run	0.4733 ppm	5.2432 ppm	0.4833 ppm	0.4762 ppm	0.4875 ppm	0.4978 ppm	0.4914 ppm
Recovery Percentage	94.725 %	99.553 %	97.183 %	95.725 %	97.596 %	100.128 %	98.515 %
Concentration RSD	0.1 %	0.4 %	0.6 %	0.5 %	0.1 %	0.8 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4878 ppm	103.2377 %	103.4705 %	102.6143 %	100.7820 %	101.2181 %	101.1572 %
Concentration per Run	0.4862 ppm	102.3428 %	104.0054 %	102.1597 %	99.8491 %	101.8061 %	100.7933 %
Concentration per Run	0.4880 ppm	103.5833 %	103.2708 %	102.8245 %	101.2929 %	101.3151 %	101.2579 %
Concentration per Run	0.4893 ppm	103.7870 %	103.1354 %	102.8586 %	101.2041 %	100.5333 %	101.4203 %
Recovery Percentage	97.568 %						
Concentration RSD	0.3 %	0.8 %	0.5 %	0.4 %	0.8 %	0.6 %	0.3 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: CCB
Analysis started at: 11/26/2025 7:25:25 PM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0004 ppm	0.0063 ppm	-0.0020 ppm	0.0026 ppm	-0.0002 ppm	0.0000 ppm	-0.0012 ppm
Concentration per Run	0.0002 ppm	0.0106 ppm	-0.0040 ppm	0.0020 ppm	-0.0001 ppm	0.0000 ppm	0.0005 ppm
Concentration per Run	0.0008 ppm	-0.0006 ppm	-0.0025 ppm	0.0039 ppm	-0.0003 ppm	0.0000 ppm	-0.0025 ppm
Concentration per Run	0.0001 ppm	0.0088 ppm	0.0004 ppm	0.0019 ppm	-0.0001 ppm	0.0000 ppm	-0.0015 ppm
Recovery Percentage	5.145 %	6.275 %	-40.537 %	8.706 %	-1.645 %	0.276 %	-1.158 %
Concentration RSD	104.3 %	96.2 %	110.0 %	44.3 %	59.5 %	161.8 %	132.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0001 ppm	-0.0002 ppm	0.0004 ppm	0.0008 ppm	0.0624 ppm	0.0011 ppm
Concentration per Run	0.0000 ppm	0.0005 ppm	0.0002 ppm	0.0004 ppm	-0.0006 ppm	0.0658 ppm	0.0021 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	-0.0003 ppm	0.0001 ppm	0.0012 ppm	0.0672 ppm	0.0007 ppm
Concentration per Run	0.0000 ppm	-0.0002 ppm	-0.0003 ppm	0.0006 ppm	0.0019 ppm	0.0542 ppm	0.0007 ppm
Recovery Percentage	0.097 %	0.687 %	-1.539 %	3.623 %	1.676 %	2.496 %	22.961 %
Concentration RSD	541.0 %	246.7 %	188.7 %	78.0 %	155.6 %	11.4 %	68.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0012 ppm	-0.0002 ppm	0.0004 ppm	0.0259 ppm	0.0005 ppm	-0.0011 ppm	0.0012 ppm
Concentration per Run	-0.0020 ppm	-0.0006 ppm	0.0005 ppm	0.0243 ppm	0.0004 ppm	-0.0007 ppm	-0.0013 ppm
Concentration per Run	-0.0005 ppm	0.0000 ppm	0.0003 ppm	0.0283 ppm	0.0009 ppm	-0.0013 ppm	-0.0005 ppm
Concentration per Run	-0.0013 ppm	0.0001 ppm	0.0002 ppm	0.0252 ppm	0.0003 ppm	-0.0013 ppm	0.0053 ppm
Recovery Percentage	-1.240 %	-1.805 %	0.717 %	1.297 %	2.165 %	-11.036 %	2.346 %
Concentration RSD	62.1 %	209.5 %	37.6 %	8.2 %	61.6 %	31.0 %	309.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0012 ppm	0.0005 ppm	0.0009 ppm	0.0000 ppm	0.0005 ppm	0.0013 ppm	-0.0003 ppm
Concentration per Run	0.0013 ppm	-0.0006 ppm	0.0012 ppm	0.0000 ppm	0.0003 ppm	0.0022 ppm	-0.0002 ppm
Concentration per Run	0.0020 ppm	0.0000 ppm	0.0008 ppm	0.0001 ppm	0.0001 ppm	0.0011 ppm	-0.0003 ppm
Concentration per Run	0.0001 ppm	0.0022 ppm	0.0007 ppm	-0.0001 ppm	0.0011 ppm	0.0005 ppm	-0.0005 ppm
Recovery Percentage	11.647 %	0.107 %	1.798 %	0.124 %	4.999 %	6.279 %	-3.062 %
Concentration RSD	84.3 %	282.0 %	29.8 %	682.6 %	109.0 %	66.5 %	59.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0001 ppm	101.4580 %	101.4536 %	101.3818 %	101.7366 %	100.7871 %	101.2045 %
Concentration per Run	0.0002 ppm	100.9044 %	100.5472 %	101.1345 %	100.8618 %	100.4006 %	101.0126 %
Concentration per Run	0.0001 ppm	101.8273 %	101.9625 %	101.6501 %	102.4105 %	101.0515 %	101.5577 %
Concentration per Run	0.0002 ppm	101.6423 %	101.8513 %	101.3608 %	101.9375 %	100.9091 %	101.0433 %
Recovery Percentage	2.754 %						
Concentration RSD	55.2 %	0.5 %	0.8 %	0.3 %	0.8 %	0.3 %	0.3 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2571346-30 WG2143838
Analysis started at: 11/26/2025 7:42:28 PM
Comment <Comment>
Rack Number 3
Vial Numbers 15

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0004 ppm	0.0225 ppm	0.0079 ppm	0.0467 ppm	0.0319 ppm	0.0001 ppm	91.0498 ppm
Concentration per Run	-0.0003 ppm	0.0284 ppm	0.0098 ppm	0.0470 ppm	0.0320 ppm	0.0000 ppm	91.3317 ppm
Concentration per Run	-0.0002 ppm	0.0249 ppm	0.0063 ppm	0.0455 ppm	0.0317 ppm	0.0001 ppm	90.9739 ppm
Concentration per Run	-0.0005 ppm	0.0142 ppm	0.0077 ppm	0.0477 ppm	0.0318 ppm	0.0001 ppm	90.8438 ppm
Concentration RSD	40.2 %	33.0 %	21.7 %	2.4 %	0.4 %	36.6 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0021 ppm	-0.0001 ppm	0.0011 ppm	4.4053 ppm	7.7247 ppm	0.0077 ppm
Concentration per Run	0.0002 ppm	0.0015 ppm	-0.0002 ppm	0.0011 ppm	4.4029 ppm	7.7279 ppm	0.0106 ppm
Concentration per Run	0.0001 ppm	0.0021 ppm	-0.0001 ppm	0.0012 ppm	4.4113 ppm	7.7573 ppm	0.0071 ppm
Concentration per Run	0.0000 ppm	0.0028 ppm	0.0000 ppm	0.0009 ppm	4.4018 ppm	7.6889 ppm	0.0054 ppm
Concentration RSD	86.8 %	29.9 %	124.6 %	17.2 %	0.1 %	0.4 %	34.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	9.3161 ppm	4.0624 ppm	0.0006 ppm	14.8150 ppm	0.0026 ppm	-0.0006 ppm	0.0006 ppm
Concentration per Run	9.3557 ppm	4.0655 ppm	0.0009 ppm	14.9327 ppm	0.0023 ppm	-0.0015 ppm	-0.0004 ppm
Concentration per Run	9.2965 ppm	4.0722 ppm	0.0009 ppm	14.6842 ppm	0.0030 ppm	-0.0001 ppm	-0.0015 ppm
Concentration per Run	9.2962 ppm	4.0494 ppm	0.0000 ppm	14.8280 ppm	0.0027 ppm	-0.0002 ppm	0.0038 ppm
Concentration RSD	0.4 %	0.3 %	87.0 %	0.8 %	14.7 %	129.8 %	439.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0000 ppm	9.8860 ppm	0.0000 ppm	0.2926 ppm	0.0010 ppm	0.0003 ppm	0.0001 ppm
Concentration per Run	0.0004 ppm	9.9026 ppm	0.0004 ppm	0.2934 ppm	0.0011 ppm	0.0001 ppm	0.0004 ppm
Concentration per Run	-0.0014 ppm	9.8834 ppm	-0.0001 ppm	0.2914 ppm	0.0012 ppm	0.0000 ppm	-0.0001 ppm
Concentration per Run	0.0011 ppm	9.8721 ppm	-0.0004 ppm	0.2931 ppm	0.0007 ppm	0.0010 ppm	0.0000 ppm
Concentration RSD	3,480.4 %	0.2 %	10,447.1 %	0.4 %	27.4 %	157.0 %	232.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0019 ppm	102.2625 %	104.3600 %	99.7444 %	100.0077 %	103.2981 %	100.8421 %
Concentration per Run	0.0019 ppm	101.8572 %	104.8695 %	100.2034 %	99.4995 %	103.9931 %	101.3358 %
Concentration per Run	0.0018 ppm	102.9945 %	103.6820 %	100.0629 %	100.5620 %	102.3653 %	100.9826 %
Concentration per Run	0.0019 ppm	101.9358 %	104.5284 %	98.9667 %	99.9615 %	103.5357 %	100.2078 %
Concentration RSD	3.3 %	0.6 %	0.6 %	0.7 %	0.5 %	0.8 %	0.6 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2571346-31 WG2143838
Analysis started at: 11/26/2025 7:44:58 PM
Comment <Comment>
Rack Number 3
Vial Numbers 16

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0119 ppm	0.0013 ppm	0.0589 ppm	0.0338 ppm	0.0000 ppm	70.1352 ppm
Concentration per Run	-0.0004 ppm	0.0160 ppm	0.0013 ppm	0.0579 ppm	0.0340 ppm	0.0001 ppm	69.9578 ppm
Concentration per Run	0.0000 ppm	0.0108 ppm	0.0017 ppm	0.0596 ppm	0.0337 ppm	0.0000 ppm	70.3474 ppm
Concentration per Run	0.0002 ppm	0.0089 ppm	0.0008 ppm	0.0593 ppm	0.0338 ppm	0.0000 ppm	70.1005 ppm
Concentration RSD	655.3 %	31.0 %	35.6 %	1.5 %	0.5 %	234.9 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0001 ppm	0.0016 ppm	0.0117 ppm	11.4872 ppm	0.0053 ppm
Concentration per Run	0.0000 ppm	-0.0005 ppm	-0.0005 ppm	0.0018 ppm	0.0122 ppm	11.4732 ppm	0.0066 ppm
Concentration per Run	0.0000 ppm	-0.0003 ppm	0.0003 ppm	0.0018 ppm	0.0124 ppm	11.5008 ppm	0.0041 ppm
Concentration per Run	-0.0001 ppm	0.0000 ppm	0.0005 ppm	0.0013 ppm	0.0105 ppm	11.4877 ppm	0.0051 ppm
Concentration RSD	25.6 %	106.4 %	699.8 %	15.4 %	8.7 %	0.1 %	23.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	16.1173 ppm	0.0122 ppm	0.0037 ppm	25.9266 ppm	0.0007 ppm	-0.0003 ppm	-0.0003 ppm
Concentration per Run	16.1358 ppm	0.0123 ppm	0.0039 ppm	25.8207 ppm	0.0011 ppm	-0.0008 ppm	-0.0010 ppm
Concentration per Run	16.1746 ppm	0.0119 ppm	0.0038 ppm	26.1990 ppm	0.0003 ppm	0.0000 ppm	0.0011 ppm
Concentration per Run	16.0415 ppm	0.0123 ppm	0.0034 ppm	25.7603 ppm	0.0007 ppm	-0.0001 ppm	-0.0010 ppm
Concentration RSD	0.4 %	2.0 %	6.7 %	0.9 %	58.0 %	137.5 %	433.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0019 ppm	6.1236 ppm	-0.0008 ppm	0.1530 ppm	0.0006 ppm	0.0021 ppm	0.0009 ppm
Concentration per Run	0.0029 ppm	6.1655 ppm	-0.0013 ppm	0.1528 ppm	0.0007 ppm	0.0028 ppm	0.0007 ppm
Concentration per Run	-0.0011 ppm	6.0992 ppm	-0.0007 ppm	0.1535 ppm	0.0007 ppm	0.0013 ppm	0.0010 ppm
Concentration per Run	0.0038 ppm	6.1061 ppm	-0.0004 ppm	0.1526 ppm	0.0004 ppm	0.0021 ppm	0.0010 ppm
Concentration RSD	140.1 %	0.6 %	54.6 %	0.3 %	28.4 %	35.7 %	15.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0010 ppm	102.2394 %	103.7853 %	99.5254 %	100.1748 %	102.6114 %	99.8085 %
Concentration per Run	0.0010 ppm	102.1211 %	104.2178 %	99.5434 %	100.2108 %	102.8840 %	99.9133 %
Concentration per Run	0.0010 ppm	102.4623 %	103.5997 %	99.5621 %	100.3925 %	102.5513 %	99.7277 %
Concentration per Run	0.0008 ppm	102.1349 %	103.5385 %	99.4707 %	99.9212 %	102.3988 %	99.7844 %
Concentration RSD	11.7 %	0.2 %	0.4 %	0.0 %	0.2 %	0.2 %	0.1 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: zL2571346-29 WG2144085
Analysis started at: 11/26/2025 7:47:10 PM
Comment batched to diff. pwg
Rack Number 3
Vial Numbers 28

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0093 ppm	-0.0011 ppm	0.0035 ppm	0.0068 ppm	0.0000 ppm	42.5161 ppm
Concentration per Run	0.0000 ppm	-0.0010 ppm	-0.0009 ppm	0.0036 ppm	0.0069 ppm	0.0001 ppm	42.5215 ppm
Concentration per Run	0.0000 ppm	0.0175 ppm	-0.0028 ppm	0.0040 ppm	0.0069 ppm	0.0000 ppm	42.7140 ppm
Concentration per Run	-0.0002 ppm	0.0113 ppm	0.0006 ppm	0.0028 ppm	0.0067 ppm	0.0000 ppm	42.3129 ppm
Concentration RSD	215.3 %	101.9 %	160.6 %	18.4 %	1.6 %	125.4 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0000 ppm	0.0001 ppm	0.0009 ppm	0.0016 ppm	1.9301 ppm	-0.0005 ppm
Concentration per Run	0.0000 ppm	-0.0005 ppm	0.0007 ppm	0.0009 ppm	0.0012 ppm	1.9522 ppm	0.0012 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	-0.0004 ppm	0.0007 ppm	0.0017 ppm	1.9383 ppm	-0.0015 ppm
Concentration per Run	0.0000 ppm	0.0003 ppm	0.0000 ppm	0.0010 ppm	0.0019 ppm	1.8998 ppm	-0.0013 ppm
Concentration RSD	144.5 %	1,071.5 %	436.3 %	15.2 %	24.5 %	1.4 %	286.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	7.6431 ppm	0.0014 ppm	0.0005 ppm	1.9424 ppm	0.0013 ppm	-0.0002 ppm	-0.0004 ppm
Concentration per Run	7.7001 ppm	0.0014 ppm	0.0005 ppm	1.9625 ppm	0.0008 ppm	0.0001 ppm	-0.0032 ppm
Concentration per Run	7.6502 ppm	0.0012 ppm	0.0002 ppm	1.9590 ppm	0.0011 ppm	-0.0003 ppm	0.0007 ppm
Concentration per Run	7.5790 ppm	0.0014 ppm	0.0007 ppm	1.9056 ppm	0.0020 ppm	-0.0004 ppm	0.0013 ppm
Concentration RSD	0.8 %	8.1 %	55.6 %	1.6 %	50.3 %	129.7 %	591.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0017 ppm	6.2017 ppm	-0.0016 ppm	0.1628 ppm	0.0005 ppm	0.0011 ppm	0.0005 ppm
Concentration per Run	0.0032 ppm	6.2033 ppm	-0.0021 ppm	0.1638 ppm	0.0011 ppm	0.0005 ppm	0.0004 ppm
Concentration per Run	0.0013 ppm	6.2062 ppm	-0.0013 ppm	0.1639 ppm	0.0002 ppm	0.0018 ppm	0.0004 ppm
Concentration per Run	0.0006 ppm	6.1955 ppm	-0.0016 ppm	0.1607 ppm	0.0003 ppm	0.0011 ppm	0.0007 ppm
Concentration RSD	80.2 %	0.1 %	24.6 %	1.1 %	90.2 %	53.6 %	44.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0006 ppm	104.9960 %	105.0915 %	102.8275 %	103.2554 %	103.2475 %	102.0828 %
Concentration per Run	0.0005 ppm	104.5203 %	105.3685 %	103.4795 %	103.0055 %	103.8410 %	102.6958 %
Concentration per Run	0.0006 ppm	104.9013 %	104.3539 %	102.5348 %	103.2524 %	103.2149 %	101.8788 %
Concentration per Run	0.0007 ppm	105.5665 %	105.5523 %	102.4683 %	103.5084 %	102.6865 %	101.6737 %
Concentration RSD	13.8 %	0.5 %	0.6 %	0.6 %	0.2 %	0.6 %	0.5 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2571346-35 WG2143838
Analysis started at: 11/26/2025 7:49:23 PM
Comment <Comment>
Rack Number 3
Vial Numbers 20

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	0.0056 ppm	-0.0005 ppm	0.0076 ppm	0.0010 ppm	0.0000 ppm	49.3780 ppm
Concentration per Run	0.0000 ppm	0.0087 ppm	0.0011 ppm	0.0064 ppm	0.0008 ppm	0.0001 ppm	49.8402 ppm
Concentration per Run	0.0002 ppm	0.0060 ppm	-0.0017 ppm	0.0067 ppm	0.0010 ppm	0.0000 ppm	49.1792 ppm
Concentration per Run	0.0000 ppm	0.0021 ppm	-0.0009 ppm	0.0095 ppm	0.0010 ppm	0.0000 ppm	49.1145 ppm
Concentration RSD	182.2 %	59.6 %	299.0 %	22.6 %	15.2 %	313.9 %	0.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0007 ppm	0.0003 ppm	0.0002 ppm	0.0801 ppm	0.6160 ppm	0.0057 ppm
Concentration per Run	0.0000 ppm	0.0007 ppm	0.0003 ppm	0.0000 ppm	0.0808 ppm	0.6128 ppm	0.0081 ppm
Concentration per Run	0.0001 ppm	0.0006 ppm	-0.0002 ppm	0.0004 ppm	0.0803 ppm	0.6091 ppm	0.0060 ppm
Concentration per Run	0.0002 ppm	0.0008 ppm	0.0008 ppm	0.0003 ppm	0.0794 ppm	0.6260 ppm	0.0029 ppm
Concentration RSD	81.3 %	12.4 %	171.5 %	110.0 %	0.8 %	1.4 %	46.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	30.5399 ppm	1.9134 ppm	0.0004 ppm	12.0185 ppm	0.0022 ppm	-0.0009 ppm	-0.0006 ppm
Concentration per Run	30.6278 ppm	1.9267 ppm	0.0002 ppm	12.1619 ppm	0.0018 ppm	-0.0010 ppm	0.0023 ppm
Concentration per Run	30.4971 ppm	1.9060 ppm	0.0008 ppm	11.9926 ppm	0.0018 ppm	-0.0003 ppm	-0.0045 ppm
Concentration per Run	30.4947 ppm	1.9075 ppm	0.0001 ppm	11.9009 ppm	0.0031 ppm	-0.0012 ppm	0.0004 ppm
Concentration RSD	0.2 %	0.6 %	96.8 %	1.1 %	31.9 %	57.0 %	574.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0024 ppm	7.7928 ppm	-0.0001 ppm	0.1510 ppm	0.0005 ppm	0.0008 ppm	-0.0003 ppm
Concentration per Run	0.0022 ppm	7.8422 ppm	-0.0007 ppm	0.1530 ppm	0.0003 ppm	0.0006 ppm	-0.0004 ppm
Concentration per Run	0.0029 ppm	7.7589 ppm	-0.0003 ppm	0.1502 ppm	0.0003 ppm	0.0008 ppm	-0.0004 ppm
Concentration per Run	0.0022 ppm	7.7773 ppm	0.0009 ppm	0.1498 ppm	0.0007 ppm	0.0009 ppm	-0.0002 ppm
Concentration RSD	17.4 %	0.6 %	1,611.0 %	1.1 %	42.1 %	24.1 %	44.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0006 ppm	103.5805 %	104.3708 %	100.7616 %	101.7689 %	102.6915 %	101.1778 %
Concentration per Run	0.0006 ppm	103.2268 %	103.8971 %	100.5867 %	101.7962 %	103.6049 %	100.9513 %
Concentration per Run	0.0005 ppm	103.5099 %	105.0487 %	101.3296 %	101.5240 %	102.5157 %	101.7066 %
Concentration per Run	0.0006 ppm	104.0048 %	104.1666 %	100.3685 %	101.9865 %	101.9539 %	100.8756 %
Concentration RSD	8.2 %	0.4 %	0.6 %	0.5 %	0.2 %	0.8 %	0.5 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2573386-01 WG2145058
Analysis started at: 11/26/2025 7:51:35 PM
Comment <Comment>
Rack Number 3
Vial Numbers 30

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0003 ppm	0.0062 ppm	-0.0014 ppm	0.0099 ppm	0.0206 ppm	0.0000 ppm	77.7996 ppm
Concentration per Run	0.0008 ppm	0.0049 ppm	-0.0013 ppm	0.0099 ppm	0.0205 ppm	0.0000 ppm	77.6449 ppm
Concentration per Run	0.0003 ppm	0.0039 ppm	-0.0019 ppm	0.0107 ppm	0.0205 ppm	0.0000 ppm	77.5511 ppm
Concentration per Run	-0.0001 ppm	0.0097 ppm	-0.0010 ppm	0.0093 ppm	0.0207 ppm	0.0001 ppm	78.2028 ppm
Concentration RSD	142.4 %	50.1 %	34.4 %	7.1 %	0.4 %	136.3 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0003 ppm	0.0006 ppm	0.0002 ppm	0.0025 ppm	0.0054 ppm	0.3444 ppm	0.0012 ppm
Concentration per Run	0.0004 ppm	0.0009 ppm	-0.0005 ppm	0.0025 ppm	0.0058 ppm	0.3868 ppm	0.0010 ppm
Concentration per Run	0.0002 ppm	0.0006 ppm	0.0006 ppm	0.0023 ppm	0.0058 ppm	0.3290 ppm	0.0010 ppm
Concentration per Run	0.0002 ppm	0.0003 ppm	0.0004 ppm	0.0026 ppm	0.0045 ppm	0.3175 ppm	0.0014 ppm
Concentration RSD	28.9 %	46.5 %	314.7 %	7.2 %	13.6 %	10.8 %	17.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	1.5986 ppm	0.1166 ppm	0.0004 ppm	135.8373 ppm	0.0012 ppm	0.0106 ppm	-0.0005 ppm
Concentration per Run	1.6019 ppm	0.1163 ppm	0.0006 ppm	135.4352 ppm	0.0013 ppm	0.0101 ppm	0.0032 ppm
Concentration per Run	1.5906 ppm	0.1164 ppm	0.0004 ppm	135.1135 ppm	0.0013 ppm	0.0108 ppm	-0.0047 ppm
Concentration per Run	1.6033 ppm	0.1171 ppm	0.0001 ppm	136.9633 ppm	0.0012 ppm	0.0110 ppm	-0.0001 ppm
Concentration RSD	0.4 %	0.4 %	63.0 %	0.7 %	5.0 %	4.8 %	768.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0020 ppm	0.1823 ppm	-0.0005 ppm	0.1100 ppm	0.0003 ppm	0.0009 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.1801 ppm	0.0009 ppm	0.1099 ppm	0.0001 ppm	0.0016 ppm	0.0001 ppm
Concentration per Run	0.0023 ppm	0.1827 ppm	-0.0008 ppm	0.1095 ppm	0.0003 ppm	-0.0002 ppm	0.0001 ppm
Concentration per Run	0.0037 ppm	0.1841 ppm	-0.0016 ppm	0.1107 ppm	0.0004 ppm	0.0014 ppm	-0.0003 ppm
Concentration RSD	94.5 %	1.1 %	262.3 %	0.5 %	51.4 %	107.5 %	698.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0429 ppm	98.4338 %	102.3996 %	93.4883 %	95.8111 %	100.3232 %	96.5088 %
Concentration per Run	0.0429 ppm	98.3340 %	102.4567 %	93.6539 %	95.5511 %	100.3553 %	96.7831 %
Concentration per Run	0.0426 ppm	98.3795 %	103.0676 %	93.6016 %	95.9989 %	100.4671 %	96.6504 %
Concentration per Run	0.0431 ppm	98.5880 %	101.6745 %	93.2095 %	95.8832 %	100.1473 %	96.0930 %
Concentration RSD	0.6 %	0.1 %	0.7 %	0.3 %	0.2 %	0.2 %	0.4 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2573529-01 WG2145058
Analysis started at: 11/26/2025 7:53:47 PM
Comment <Comment>
Rack Number 3
Vial Numbers 31

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0003 ppm	0.0247 ppm	-0.0008 ppm	0.0137 ppm	0.0550 ppm	0.0000 ppm	7.0440 ppm
Concentration per Run	0.0008 ppm	0.0319 ppm	0.0026 ppm	0.0131 ppm	0.0554 ppm	0.0000 ppm	7.0662 ppm
Concentration per Run	-0.0004 ppm	0.0266 ppm	-0.0031 ppm	0.0145 ppm	0.0544 ppm	0.0000 ppm	6.9737 ppm
Concentration per Run	0.0005 ppm	0.0157 ppm	-0.0020 ppm	0.0136 ppm	0.0553 ppm	0.0000 ppm	7.0919 ppm
Concentration RSD	216.1 %	33.3 %	363.8 %	5.1 %	1.0 %	113.3 %	0.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0020 ppm	0.0022 ppm	0.0002 ppm	0.0303 ppm	0.0083 ppm	0.4504 ppm	0.0004 ppm
Concentration per Run	0.0021 ppm	0.0022 ppm	-0.0003 ppm	0.0299 ppm	0.0082 ppm	0.4890 ppm	0.0030 ppm
Concentration per Run	0.0020 ppm	0.0023 ppm	0.0008 ppm	0.0301 ppm	0.0085 ppm	0.4502 ppm	0.0008 ppm
Concentration per Run	0.0021 ppm	0.0020 ppm	0.0000 ppm	0.0308 ppm	0.0082 ppm	0.4120 ppm	-0.0026 ppm
Concentration RSD	2.9 %	6.6 %	338.9 %	1.5 %	2.1 %	8.5 %	691.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.6524 ppm	0.1669 ppm	-0.0002 ppm	132.3398 ppm	0.0057 ppm	0.3648 ppm	-0.0002 ppm
Concentration per Run	0.6509 ppm	0.1675 ppm	-0.0003 ppm	132.6696 ppm	0.0051 ppm	0.3642 ppm	-0.0011 ppm
Concentration per Run	0.6525 ppm	0.1656 ppm	-0.0003 ppm	131.0022 ppm	0.0067 ppm	0.3645 ppm	-0.0003 ppm
Concentration per Run	0.6539 ppm	0.1678 ppm	0.0002 ppm	133.3476 ppm	0.0055 ppm	0.3657 ppm	0.0009 ppm
Concentration RSD	0.2 %	0.7 %	180.7 %	0.9 %	14.5 %	0.2 %	650.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0009 ppm	0.2076 ppm	-0.0004 ppm	0.0303 ppm	0.0001 ppm	0.0006 ppm	-0.0002 ppm
Concentration per Run	0.0020 ppm	0.2038 ppm	-0.0006 ppm	0.0303 ppm	0.0000 ppm	0.0014 ppm	-0.0003 ppm
Concentration per Run	-0.0018 ppm	0.2118 ppm	0.0001 ppm	0.0301 ppm	0.0004 ppm	-0.0008 ppm	-0.0001 ppm
Concentration per Run	0.0027 ppm	0.2072 ppm	-0.0008 ppm	0.0305 ppm	0.0000 ppm	0.0012 ppm	0.0000 ppm
Concentration RSD	254.2 %	1.9 %	116.9 %	0.6 %	143.8 %	207.6 %	99.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	5.5361 ppm	100.1725 %	102.4682 %	95.4994 %	97.1925 %	100.1181 %	97.9290 %
Concentration per Run	5.5158 ppm	100.4953 %	102.1811 %	95.3938 %	96.9928 %	100.3182 %	97.8157 %
Concentration per Run	5.5472 ppm	99.7763 %	102.5474 %	95.6508 %	96.8310 %	99.5813 %	97.9795 %
Concentration per Run	5.5453 ppm	100.2459 %	102.6761 %	95.4537 %	97.7537 %	100.4548 %	97.9919 %
Concentration RSD	0.3 %	0.4 %	0.3 %	0.1 %	0.5 %	0.5 %	0.1 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2573529-04 WG2145058
Analysis started at: 11/26/2025 7:55:58 PM
Comment <Comment>
Rack Number 3
Vial Numbers 32

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0579 ppm	0.0001 ppm	0.0114 ppm	0.1119 ppm	0.0002 ppm	6.9406 ppm
Concentration per Run	0.0007 ppm	0.0634 ppm	-0.0009 ppm	0.0103 ppm	0.1120 ppm	0.0002 ppm	6.9173 ppm
Concentration per Run	-0.0001 ppm	0.0498 ppm	0.0006 ppm	0.0117 ppm	0.1128 ppm	0.0002 ppm	7.0025 ppm
Concentration per Run	-0.0006 ppm	0.0606 ppm	0.0007 ppm	0.0124 ppm	0.1109 ppm	0.0002 ppm	6.9021 ppm
Concentration RSD	3,326.7 %	12.4 %	603.4 %	9.3 %	0.8 %	15.1 %	0.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0013 ppm	0.0063 ppm	0.0011 ppm	0.0008 ppm	6.5031 ppm	0.2866 ppm	-0.0003 ppm
Concentration per Run	0.0013 ppm	0.0064 ppm	0.0009 ppm	0.0005 ppm	6.5054 ppm	0.2766 ppm	-0.0023 ppm
Concentration per Run	0.0012 ppm	0.0062 ppm	0.0010 ppm	0.0008 ppm	6.5328 ppm	0.2946 ppm	0.0010 ppm
Concentration per Run	0.0013 ppm	0.0064 ppm	0.0015 ppm	0.0010 ppm	6.4711 ppm	0.2885 ppm	0.0004 ppm
Concentration RSD	2.9 %	1.6 %	26.7 %	28.9 %	0.5 %	3.2 %	533.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.3042 ppm	0.1380 ppm	-0.0001 ppm	133.2058 ppm	0.0336 ppm	0.2253 ppm	-0.0020 ppm
Concentration per Run	0.3031 ppm	0.1377 ppm	0.0000 ppm	132.6816 ppm	0.0335 ppm	0.2235 ppm	-0.0029 ppm
Concentration per Run	0.3046 ppm	0.1392 ppm	-0.0004 ppm	134.2690 ppm	0.0334 ppm	0.2258 ppm	-0.0054 ppm
Concentration per Run	0.3049 ppm	0.1370 ppm	0.0003 ppm	132.6670 ppm	0.0338 ppm	0.2266 ppm	0.0024 ppm
Concentration RSD	0.3 %	0.8 %	520.2 %	0.7 %	0.6 %	0.7 %	201.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0027 ppm	0.0934 ppm	-0.0009 ppm	0.0209 ppm	0.0001 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run	0.0011 ppm	0.0912 ppm	-0.0008 ppm	0.0210 ppm	0.0000 ppm	0.0002 ppm	0.0003 ppm
Concentration per Run	0.0030 ppm	0.0956 ppm	-0.0016 ppm	0.0209 ppm	0.0003 ppm	0.0001 ppm	0.0002 ppm
Concentration per Run	0.0041 ppm	0.0933 ppm	-0.0004 ppm	0.0207 ppm	0.0001 ppm	-0.0002 ppm	-0.0001 ppm
Concentration RSD	54.7 %	2.4 %	70.4 %	0.8 %	133.4 %	12,348.0 %	212.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.9988 ppm	99.9720 %	103.1946 %	95.5658 %	97.1704 %	101.0248 %	98.0401 %
Concentration per Run	0.9911 ppm	100.0050 %	104.0391 %	95.6353 %	96.7445 %	101.8718 %	97.6974 %
Concentration per Run	0.9995 ppm	99.9527 %	102.1212 %	95.5039 %	97.5212 %	100.5472 %	98.1654 %
Concentration per Run	1.0059 ppm	99.9583 %	103.4237 %	95.5583 %	97.2457 %	100.6553 %	98.2574 %
Concentration RSD	0.7 %	0.0 %	0.9 %	0.1 %	0.4 %	0.7 %	0.3 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2573529-07 WG2145058
Analysis started at: 11/26/2025 7:58:09 PM
Comment <Comment>
Rack Number 3
Vial Numbers 33

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0542 ppm	0.0009 ppm	0.0249 ppm	0.0132 ppm	0.0000 ppm	1.7371 ppm
Concentration per Run	-0.0007 ppm	0.0533 ppm	-0.0006 ppm	0.0247 ppm	0.0133 ppm	0.0000 ppm	1.7431 ppm
Concentration per Run	0.0003 ppm	0.0498 ppm	0.0022 ppm	0.0245 ppm	0.0130 ppm	0.0000 ppm	1.7347 ppm
Concentration per Run	0.0004 ppm	0.0596 ppm	0.0012 ppm	0.0256 ppm	0.0132 ppm	0.0001 ppm	1.7337 ppm
Concentration RSD	10,942.4 %	9.2 %	152.4 %	2.3 %	1.2 %	174.9 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0001 ppm	0.0002 ppm	0.0026 ppm	0.0611 ppm	0.3458 ppm	0.0004 ppm
Concentration per Run	0.0001 ppm	0.0002 ppm	0.0003 ppm	0.0025 ppm	0.0612 ppm	0.3672 ppm	0.0003 ppm
Concentration per Run	0.0002 ppm	-0.0003 ppm	0.0003 ppm	0.0024 ppm	0.0603 ppm	0.3563 ppm	0.0010 ppm
Concentration per Run	0.0002 ppm	0.0000 ppm	-0.0001 ppm	0.0028 ppm	0.0617 ppm	0.3140 ppm	-0.0002 ppm
Concentration RSD	11.8 %	401.1 %	114.8 %	7.3 %	1.2 %	8.1 %	156.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.3875 ppm	0.0113 ppm	0.0000 ppm	133.2721 ppm	0.0006 ppm	0.0198 ppm	0.0025 ppm
Concentration per Run	0.3849 ppm	0.0114 ppm	0.0003 ppm	133.3011 ppm	0.0002 ppm	0.0197 ppm	0.0032 ppm
Concentration per Run	0.3889 ppm	0.0110 ppm	-0.0002 ppm	132.2974 ppm	0.0005 ppm	0.0201 ppm	0.0002 ppm
Concentration per Run	0.3887 ppm	0.0114 ppm	-0.0002 ppm	134.2177 ppm	0.0009 ppm	0.0195 ppm	0.0040 ppm
Concentration RSD	0.6 %	1.8 %	711.9 %	0.7 %	58.8 %	1.5 %	79.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0037 ppm	0.1533 ppm	0.0004 ppm	0.0091 ppm	0.0018 ppm	0.0018 ppm	0.0002 ppm
Concentration per Run	0.0020 ppm	0.1538 ppm	0.0006 ppm	0.0092 ppm	0.0019 ppm	0.0011 ppm	0.0003 ppm
Concentration per Run	0.0019 ppm	0.1535 ppm	0.0002 ppm	0.0089 ppm	0.0013 ppm	0.0008 ppm	0.0002 ppm
Concentration per Run	0.0071 ppm	0.1527 ppm	0.0005 ppm	0.0091 ppm	0.0020 ppm	0.0033 ppm	0.0001 ppm
Concentration RSD	81.3 %	0.4 %	53.5 %	1.8 %	20.9 %	78.6 %	60.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0160 ppm	99.9773 %	102.5180 %	95.6200 %	96.9075 %	100.0392 %	97.6609 %
Concentration per Run	0.0162 ppm	99.4158 %	102.3313 %	95.6475 %	96.8347 %	100.1776 %	97.6455 %
Concentration per Run	0.0161 ppm	100.8861 %	102.4166 %	95.3868 %	97.3246 %	99.4588 %	97.4941 %
Concentration per Run	0.0158 ppm	99.6298 %	102.8059 %	95.8258 %	96.5632 %	100.4811 %	97.8433 %
Concentration RSD	1.2 %	0.8 %	0.2 %	0.2 %	0.4 %	0.5 %	0.2 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2573529-10 WG2145058
Analysis started at: 11/26/2025 8:00:21 PM
Comment <Comment>
Rack Number 3
Vial Numbers 34

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0337 ppm	-0.0007 ppm	0.0113 ppm	0.0088 ppm	0.0000 ppm	1.0670 ppm
Concentration per Run	-0.0004 ppm	0.0293 ppm	-0.0017 ppm	0.0105 ppm	0.0089 ppm	0.0000 ppm	1.0775 ppm
Concentration per Run	0.0001 ppm	0.0321 ppm	0.0007 ppm	0.0129 ppm	0.0088 ppm	0.0000 ppm	1.0705 ppm
Concentration per Run	-0.0002 ppm	0.0396 ppm	-0.0011 ppm	0.0104 ppm	0.0088 ppm	0.0001 ppm	1.0530 ppm
Concentration RSD	161.3 %	15.8 %	182.3 %	12.5 %	0.9 %	125.8 %	1.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0007 ppm	-0.0001 ppm	0.0041 ppm	0.0410 ppm	0.2391 ppm	0.0000 ppm
Concentration per Run	0.0002 ppm	0.0006 ppm	-0.0004 ppm	0.0045 ppm	0.0413 ppm	0.2566 ppm	-0.0003 ppm
Concentration per Run	0.0002 ppm	0.0006 ppm	0.0007 ppm	0.0040 ppm	0.0405 ppm	0.2233 ppm	0.0012 ppm
Concentration per Run	0.0000 ppm	0.0008 ppm	-0.0004 ppm	0.0038 ppm	0.0413 ppm	0.2372 ppm	-0.0011 ppm
Concentration RSD	83.5 %	21.0 %	1,071.0 %	9.2 %	1.2 %	7.0 %	2,466.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.1652 ppm	0.0254 ppm	0.0000 ppm	132.2131 ppm	0.0015 ppm	0.0039 ppm	0.0011 ppm
Concentration per Run	0.1630 ppm	0.0259 ppm	0.0004 ppm	133.5417 ppm	0.0012 ppm	0.0048 ppm	0.0003 ppm
Concentration per Run	0.1671 ppm	0.0256 ppm	0.0000 ppm	132.8035 ppm	0.0015 ppm	0.0039 ppm	0.0003 ppm
Concentration per Run	0.1656 ppm	0.0247 ppm	-0.0005 ppm	130.2942 ppm	0.0019 ppm	0.0029 ppm	0.0026 ppm
Concentration RSD	1.2 %	2.4 %	3,198.0 %	1.3 %	25.1 %	25.3 %	120.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0019 ppm	0.1271 ppm	-0.0006 ppm	0.0060 ppm	0.0005 ppm	-0.0007 ppm	0.0002 ppm
Concentration per Run	0.0041 ppm	0.1256 ppm	-0.0017 ppm	0.0060 ppm	0.0004 ppm	-0.0010 ppm	0.0004 ppm
Concentration per Run	-0.0014 ppm	0.1270 ppm	0.0006 ppm	0.0061 ppm	0.0002 ppm	-0.0004 ppm	0.0000 ppm
Concentration per Run	0.0030 ppm	0.1288 ppm	-0.0007 ppm	0.0059 ppm	0.0008 ppm	-0.0008 ppm	0.0001 ppm
Concentration RSD	152.3 %	1.3 %	206.4 %	1.2 %	63.8 %	39.7 %	127.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0810 ppm	99.8312 %	103.4302 %	95.9788 %	96.9991 %	100.6582 %	97.8237 %
Concentration per Run	0.0810 ppm	99.7165 %	102.2065 %	95.3932 %	97.1648 %	99.9376 %	97.5107 %
Concentration per Run	0.0813 ppm	99.9681 %	103.5492 %	96.9222 %	97.1987 %	101.3354 %	98.6715 %
Concentration per Run	0.0807 ppm	99.8089 %	104.5350 %	95.6210 %	96.6339 %	100.7016 %	97.2890 %
Concentration RSD	0.4 %	0.1 %	1.1 %	0.9 %	0.3 %	0.7 %	0.8 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: CCV
Analysis started at: 11/26/2025 8:02:34 PM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4889 ppm	0.4744 ppm	0.4613 ppm	0.4810 ppm	0.4866 ppm	0.4939 ppm	0.4889 ppm
Concentration per Run	0.4920 ppm	0.4838 ppm	0.4583 ppm	0.4798 ppm	0.4871 ppm	0.4954 ppm	0.4909 ppm
Concentration per Run	0.4884 ppm	0.4704 ppm	0.4599 ppm	0.4802 ppm	0.4864 ppm	0.4934 ppm	0.4861 ppm
Concentration per Run	0.4862 ppm	0.4689 ppm	0.4657 ppm	0.4829 ppm	0.4862 ppm	0.4928 ppm	0.4896 ppm
Recovery Percentage	97.775 %	94.879 %	92.259 %	96.193 %	97.313 %	98.770 %	97.775 %
Concentration RSD	0.6 %	1.7 %	0.8 %	0.4 %	0.1 %	0.3 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4908 ppm	0.5006 ppm	0.4920 ppm	0.5013 ppm	0.4898 ppm	5.1332 ppm	0.4967 ppm
Concentration per Run	0.4943 ppm	0.5028 ppm	0.4966 ppm	0.5036 ppm	0.4917 ppm	5.1890 ppm	0.4956 ppm
Concentration per Run	0.4911 ppm	0.5012 ppm	0.4918 ppm	0.5022 ppm	0.4892 ppm	5.1091 ppm	0.4986 ppm
Concentration per Run	0.4869 ppm	0.4979 ppm	0.4877 ppm	0.4981 ppm	0.4885 ppm	5.1015 ppm	0.4960 ppm
Recovery Percentage	98.155 %	100.129 %	98.407 %	100.263 %	97.956 %	102.664 %	99.349 %
Concentration RSD	0.8 %	0.5 %	0.9 %	0.6 %	0.3 %	0.9 %	0.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4930 ppm	0.4976 ppm	0.4805 ppm	10.0010 ppm	0.5026 ppm	0.4926 ppm	0.4987 ppm
Concentration per Run	0.4938 ppm	0.5003 ppm	0.4822 ppm	10.0233 ppm	0.5040 ppm	0.4917 ppm	0.5028 ppm
Concentration per Run	0.4941 ppm	0.4960 ppm	0.4813 ppm	10.0326 ppm	0.5032 ppm	0.4934 ppm	0.5028 ppm
Concentration per Run	0.4912 ppm	0.4965 ppm	0.4780 ppm	9.9472 ppm	0.5008 ppm	0.4926 ppm	0.4905 ppm
Recovery Percentage	98.609 %	99.515 %	96.097 %	100.010 %	100.530 %	98.515 %	99.736 %
Concentration RSD	0.3 %	0.5 %	0.5 %	0.5 %	0.3 %	0.2 %	1.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4734 ppm	5.2421 ppm	0.4847 ppm	0.4819 ppm	0.4897 ppm	0.4984 ppm	0.4970 ppm
Concentration per Run	0.4727 ppm	5.2473 ppm	0.4886 ppm	0.4821 ppm	0.4902 ppm	0.4980 ppm	0.5001 ppm
Concentration per Run	0.4749 ppm	5.2444 ppm	0.4847 ppm	0.4815 ppm	0.4908 ppm	0.5002 ppm	0.4971 ppm
Concentration per Run	0.4725 ppm	5.2346 ppm	0.4808 ppm	0.4822 ppm	0.4883 ppm	0.4970 ppm	0.4937 ppm
Recovery Percentage	94.676 %	99.850 %	96.936 %	96.387 %	97.950 %	99.677 %	99.396 %
Concentration RSD	0.3 %	0.1 %	0.8 %	0.1 %	0.3 %	0.3 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4926 ppm	104.3067 %	104.1187 %	104.2364 %	101.8705 %	102.3945 %	102.6551 %
Concentration per Run	0.4951 ppm	103.7569 %	103.5195 %	103.7476 %	101.0073 %	102.3737 %	102.0869 %
Concentration per Run	0.4941 ppm	104.0447 %	104.2076 %	104.3828 %	101.6819 %	102.2475 %	102.8758 %
Concentration per Run	0.4886 ppm	105.1185 %	104.6291 %	104.5787 %	102.9223 %	102.5622 %	103.0025 %
Recovery Percentage	98.523 %						
Concentration RSD	0.7 %	0.7 %	0.5 %	0.4 %	1.0 %	0.2 %	0.5 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: CCB
Analysis started at: 11/26/2025 8:04:46 PM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0035 ppm	-0.0008 ppm	0.0018 ppm	-0.0002 ppm	0.0000 ppm	0.0019 ppm
Concentration per Run	0.0001 ppm	0.0062 ppm	-0.0026 ppm	0.0014 ppm	-0.0003 ppm	0.0000 ppm	0.0010 ppm
Concentration per Run	-0.0003 ppm	0.0030 ppm	0.0011 ppm	0.0030 ppm	-0.0002 ppm	0.0000 ppm	-0.0007 ppm
Concentration per Run	-0.0002 ppm	0.0013 ppm	-0.0008 ppm	0.0009 ppm	-0.0001 ppm	0.0000 ppm	0.0054 ppm
Recovery Percentage	-1.970 %	3.498 %	-15.547 %	5.901 %	-1.835 %	0.319 %	1.919 %
Concentration RSD	172.7 %	72.3 %	242.1 %	61.7 %	63.1 %	25.3 %	161.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0001 ppm	-0.0003 ppm	0.0003 ppm	0.0003 ppm	0.0350 ppm	-0.0003 ppm
Concentration per Run	0.0002 ppm	-0.0004 ppm	-0.0007 ppm	0.0004 ppm	-0.0002 ppm	0.0520 ppm	-0.0004 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	-0.0002 ppm	0.0002 ppm	0.0009 ppm	0.0368 ppm	-0.0009 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0002 ppm	0.0002 ppm	0.0160 ppm	0.0003 ppm
Recovery Percentage	1.381 %	-0.662 %	-2.532 %	2.658 %	0.559 %	1.398 %	-6.720 %
Concentration RSD	197.8 %	194.8 %	165.2 %	40.1 %	199.5 %	51.8 %	184.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0005 ppm	-0.0001 ppm	0.0004 ppm	0.0317 ppm	0.0002 ppm	-0.0008 ppm	-0.0014 ppm
Concentration per Run	-0.0009 ppm	0.0000 ppm	0.0011 ppm	0.0302 ppm	0.0001 ppm	-0.0013 ppm	-0.0019 ppm
Concentration per Run	-0.0007 ppm	-0.0002 ppm	-0.0003 ppm	0.0332 ppm	0.0010 ppm	-0.0010 ppm	-0.0028 ppm
Concentration per Run	0.0001 ppm	-0.0001 ppm	0.0004 ppm	0.0316 ppm	-0.0005 ppm	-0.0001 ppm	0.0005 ppm
Recovery Percentage	-0.502 %	-0.745 %	0.786 %	1.583 %	0.732 %	-7.941 %	-2.775 %
Concentration RSD	110.0 %	127.7 %	172.6 %	4.8 %	403.8 %	78.5 %	123.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0026 ppm	0.0022 ppm	-0.0002 ppm	-0.0001 ppm	0.0005 ppm	0.0002 ppm	0.0002 ppm
Concentration per Run	0.0025 ppm	0.0014 ppm	-0.0008 ppm	-0.0001 ppm	0.0003 ppm	-0.0008 ppm	0.0003 ppm
Concentration per Run	0.0041 ppm	0.0010 ppm	-0.0006 ppm	0.0000 ppm	0.0004 ppm	-0.0003 ppm	-0.0001 ppm
Concentration per Run	0.0012 ppm	0.0042 ppm	0.0009 ppm	-0.0002 ppm	0.0008 ppm	0.0017 ppm	0.0005 ppm
Recovery Percentage	25.978 %	0.440 %	-0.339 %	-0.926 %	4.925 %	0.964 %	2.456 %
Concentration RSD	56.3 %	78.0 %	530.4 %	97.9 %	46.3 %	675.8 %	119.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0000 ppm	102.9131 %	101.8647 %	102.5143 %	102.7945 %	101.9689 %	101.8519 %
Concentration per Run	0.0001 ppm	103.4413 %	102.1771 %	102.6875 %	103.2082 %	102.5748 %	101.9432 %
Concentration per Run	-0.0002 ppm	102.5555 %	101.3179 %	102.3783 %	102.6745 %	101.4606 %	101.7126 %
Concentration per Run	0.0002 ppm	102.7424 %	102.0991 %	102.4770 %	102.5007 %	101.8713 %	101.9001 %
Recovery Percentage	0.500 %						
Concentration RSD	680.4 %	0.5 %	0.5 %	0.2 %	0.4 %	0.6 %	0.1 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2573529-13 WG2145058
Analysis started at: 11/26/2025 9:27:58 PM
Comment <Comment>
Rack Number 3
Vial Numbers 35

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0291 ppm	-0.0007 ppm	0.0113 ppm	0.0485 ppm	0.0001 ppm	5.6108 ppm
Concentration per Run	0.0002 ppm	0.0351 ppm	-0.0001 ppm	0.0110 ppm	0.0490 ppm	0.0000 ppm	5.6665 ppm
Concentration per Run	-0.0007 ppm	0.0244 ppm	-0.0020 ppm	0.0101 ppm	0.0485 ppm	0.0001 ppm	5.6249 ppm
Concentration per Run	0.0005 ppm	0.0278 ppm	0.0002 ppm	0.0127 ppm	0.0480 ppm	0.0001 ppm	5.5409 ppm
Concentration RSD	3,468.0 %	18.7 %	186.3 %	11.7 %	1.0 %	63.1 %	1.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0022 ppm	0.0044 ppm	0.0005 ppm	0.0534 ppm	0.0161 ppm	0.2833 ppm	0.0005 ppm
Concentration per Run	0.0021 ppm	0.0044 ppm	0.0013 ppm	0.0534 ppm	0.0166 ppm	0.2970 ppm	0.0003 ppm
Concentration per Run	0.0023 ppm	0.0042 ppm	0.0003 ppm	0.0537 ppm	0.0152 ppm	0.2801 ppm	-0.0005 ppm
Concentration per Run	0.0023 ppm	0.0046 ppm	0.0000 ppm	0.0532 ppm	0.0166 ppm	0.2730 ppm	0.0018 ppm
Concentration RSD	5.4 %	5.1 %	129.5 %	0.6 %	5.0 %	4.4 %	217.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	1.1167 ppm	0.4868 ppm	0.0003 ppm	130.9079 ppm	0.0094 ppm	11.1396 ppm	0.0014 ppm
Concentration per Run	1.1140 ppm	0.4918 ppm	0.0002 ppm	131.8381 ppm	0.0095 ppm	11.1995 ppm	-0.0033 ppm
Concentration per Run	1.1213 ppm	0.4876 ppm	0.0003 ppm	131.2941 ppm	0.0088 ppm	11.1073 ppm	0.0016 ppm
Concentration per Run	1.1149 ppm	0.4809 ppm	0.0005 ppm	129.5914 ppm	0.0098 ppm	11.1118 ppm	0.0060 ppm
Concentration RSD	0.4 %	1.1 %	44.2 %	0.9 %	5.3 %	0.5 %	328.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0023 ppm	0.1696 ppm	0.0004 ppm	0.0255 ppm	0.0001 ppm	-0.0003 ppm	-0.0001 ppm
Concentration per Run	0.0017 ppm	0.1656 ppm	0.0005 ppm	0.0257 ppm	0.0001 ppm	0.0016 ppm	0.0001 ppm
Concentration per Run	0.0037 ppm	0.1722 ppm	-0.0009 ppm	0.0255 ppm	0.0001 ppm	0.0011 ppm	-0.0001 ppm
Concentration per Run	0.0015 ppm	0.1711 ppm	0.0014 ppm	0.0251 ppm	0.0001 ppm	-0.0035 ppm	-0.0002 ppm
Concentration RSD	53.5 %	2.1 %	321.6 %	1.2 %	22.3 %	1,006.6 %	183.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3919 ppm	99.5290 %	102.7818 %	95.5384 %	96.7237 %	100.4544 %	97.3743 %
Concentration per Run	0.3907 ppm	99.6558 %	101.9202 %	95.1096 %	96.4450 %	100.7515 %	97.0820 %
Concentration per Run	0.3937 ppm	98.6480 %	102.0570 %	96.3528 %	96.3518 %	99.8508 %	98.0616 %
Concentration per Run	0.3914 ppm	100.2833 %	104.3683 %	95.1530 %	97.3744 %	100.7608 %	96.9793 %
Concentration RSD	0.4 %	0.8 %	1.3 %	0.7 %	0.6 %	0.5 %	0.6 %

ICP DataTrace 11

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LabBook: WG2146815_11262025T11.imexp

Sample: L2573529-16 WG2145058
Analysis started at: 11/26/2025 9:30:22 PM
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Rack Number 3
Vial Numbers 36

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0005 ppm	0.0381 ppm	0.0004 ppm	0.0102 ppm	0.0548 ppm	0.0000 ppm	3.1475 ppm
Concentration per Run	0.0002 ppm	0.0320 ppm	0.0027 ppm	0.0099 ppm	0.0550 ppm	0.0000 ppm	3.1640 ppm
Concentration per Run	0.0002 ppm	0.0430 ppm	-0.0029 ppm	0.0101 ppm	0.0545 ppm	0.0000 ppm	3.1472 ppm
Concentration per Run	0.0010 ppm	0.0394 ppm	0.0012 ppm	0.0107 ppm	0.0548 ppm	0.0001 ppm	3.1312 ppm
Concentration RSD	96.1 %	14.8 %	816.0 %	4.4 %	0.4 %	81.5 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0031 ppm	0.0027 ppm	0.0003 ppm	0.1969 ppm	0.0069 ppm	0.2079 ppm	0.0010 ppm
Concentration per Run	0.0030 ppm	0.0027 ppm	0.0005 ppm	0.1969 ppm	0.0059 ppm	0.2212 ppm	-0.0006 ppm
Concentration per Run	0.0031 ppm	0.0030 ppm	0.0002 ppm	0.1985 ppm	0.0062 ppm	0.2282 ppm	0.0015 ppm
Concentration per Run	0.0031 ppm	0.0023 ppm	0.0001 ppm	0.1952 ppm	0.0087 ppm	0.1743 ppm	0.0021 ppm
Concentration RSD	2.0 %	13.7 %	77.8 %	0.8 %	22.5 %	14.1 %	139.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5389 ppm	0.2248 ppm	0.0002 ppm	131.6188 ppm	0.0144 ppm	2.5575 ppm	0.0019 ppm
Concentration per Run	0.5390 ppm	0.2255 ppm	0.0000 ppm	131.7533 ppm	0.0135 ppm	2.5545 ppm	0.0007 ppm
Concentration per Run	0.5401 ppm	0.2248 ppm	0.0005 ppm	131.1395 ppm	0.0146 ppm	2.5590 ppm	0.0015 ppm
Concentration per Run	0.5376 ppm	0.2241 ppm	0.0002 ppm	131.9635 ppm	0.0150 ppm	2.5589 ppm	0.0036 ppm
Concentration RSD	0.2 %	0.3 %	111.8 %	0.3 %	5.1 %	0.1 %	76.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0015 ppm	0.1621 ppm	0.0001 ppm	0.0193 ppm	0.0006 ppm	-0.0001 ppm	0.0000 ppm
Concentration per Run	0.0013 ppm	0.1612 ppm	0.0008 ppm	0.0194 ppm	0.0004 ppm	-0.0011 ppm	0.0000 ppm
Concentration per Run	0.0007 ppm	0.1653 ppm	-0.0004 ppm	0.0192 ppm	0.0003 ppm	0.0011 ppm	0.0000 ppm
Concentration per Run	0.0025 ppm	0.1600 ppm	-0.0001 ppm	0.0193 ppm	0.0009 ppm	-0.0002 ppm	-0.0001 ppm
Concentration RSD	62.9 %	1.7 %	918.7 %	0.6 %	60.4 %	1,618.4 %	141.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3877 ppm	100.2342 %	102.1747 %	95.8208 %	97.5092 %	100.1923 %	97.6364 %
Concentration per Run	0.3876 ppm	100.1531 %	102.8325 %	95.7879 %	97.2624 %	101.1715 %	97.4264 %
Concentration per Run	0.3889 ppm	99.7817 %	101.2680 %	95.6655 %	97.5427 %	99.2931 %	97.6728 %
Concentration per Run	0.3866 ppm	100.7678 %	102.4236 %	96.0089 %	97.7225 %	100.1123 %	97.8099 %
Concentration RSD	0.3 %	0.5 %	0.8 %	0.2 %	0.2 %	0.9 %	0.2 %

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LabBook: WG2146815_11262025T11.imexp

Sample: L2573529-19 WG2145058
Analysis started at: 11/26/2025 9:32:49 PM
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Rack Number 3
Vial Numbers 37

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0281 ppm	-0.0011 ppm	0.0134 ppm	0.0156 ppm	0.0000 ppm	1.1601 ppm
Concentration per Run	0.0002 ppm	0.0293 ppm	-0.0019 ppm	0.0134 ppm	0.0157 ppm	0.0000 ppm	1.1524 ppm
Concentration per Run	-0.0001 ppm	0.0219 ppm	-0.0026 ppm	0.0143 ppm	0.0155 ppm	0.0001 ppm	1.1692 ppm
Concentration per Run	0.0000 ppm	0.0330 ppm	0.0011 ppm	0.0125 ppm	0.0156 ppm	0.0000 ppm	1.1587 ppm
Concentration RSD	616.8 %	20.2 %	177.9 %	6.9 %	0.5 %	38.1 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0006 ppm	0.0000 ppm	-0.0001 ppm	0.0011 ppm	0.0252 ppm	0.2233 ppm	0.0011 ppm
Concentration per Run	0.0006 ppm	-0.0001 ppm	-0.0002 ppm	0.0009 ppm	0.0237 ppm	0.2572 ppm	0.0012 ppm
Concentration per Run	0.0006 ppm	0.0002 ppm	0.0001 ppm	0.0015 ppm	0.0247 ppm	0.2135 ppm	0.0014 ppm
Concentration per Run	0.0005 ppm	-0.0003 ppm	-0.0002 ppm	0.0008 ppm	0.0272 ppm	0.1994 ppm	0.0008 ppm
Concentration RSD	10.5 %	481.5 %	182.7 %	35.0 %	7.2 %	13.5 %	27.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.2504 ppm	0.0134 ppm	0.0000 ppm	133.0692 ppm	0.0008 ppm	0.0079 ppm	0.0038 ppm
Concentration per Run	0.2493 ppm	0.0135 ppm	0.0000 ppm	131.6162 ppm	0.0004 ppm	0.0071 ppm	0.0075 ppm
Concentration per Run	0.2502 ppm	0.0136 ppm	0.0002 ppm	133.7851 ppm	0.0009 ppm	0.0089 ppm	0.0023 ppm
Concentration per Run	0.2516 ppm	0.0132 ppm	-0.0001 ppm	133.8064 ppm	0.0011 ppm	0.0078 ppm	0.0016 ppm
Concentration RSD	0.5 %	1.6 %	591.8 %	0.9 %	41.2 %	11.2 %	85.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0011 ppm	0.1062 ppm	-0.0003 ppm	0.0061 ppm	0.0005 ppm	0.0003 ppm	0.0000 ppm
Concentration per Run	-0.0003 ppm	0.1039 ppm	-0.0011 ppm	0.0061 ppm	0.0005 ppm	0.0000 ppm	-0.0001 ppm
Concentration per Run	0.0032 ppm	0.1071 ppm	-0.0002 ppm	0.0061 ppm	0.0007 ppm	0.0006 ppm	0.0000 ppm
Concentration per Run	0.0003 ppm	0.1075 ppm	0.0005 ppm	0.0061 ppm	0.0005 ppm	0.0002 ppm	0.0000 ppm
Concentration RSD	177.7 %	1.9 %	312.2 %	0.3 %	26.6 %	106.3 %	553.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0825 ppm	100.0086 %	102.2134 %	96.4033 %	96.8639 %	100.2739 %	98.5876 %
Concentration per Run	0.0826 ppm	100.0764 %	103.1438 %	96.4927 %	97.0393 %	100.7009 %	98.9072 %
Concentration per Run	0.0826 ppm	99.5692 %	102.0732 %	96.9235 %	96.6807 %	100.5824 %	98.9637 %
Concentration per Run	0.0824 ppm	100.3803 %	101.4232 %	95.7937 %	96.8716 %	99.5382 %	97.8920 %
Concentration RSD	0.1 %	0.4 %	0.8 %	0.6 %	0.2 %	0.6 %	0.6 %

ICP DataTrace 11

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LabBook: WG2146815_11262025T11.imexp

Sample: L2573529-22 WG2145058
Analysis started at: 11/26/2025 9:35:07 PM
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Rack Number 3
Vial Numbers 38

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0177 ppm	0.0003 ppm	0.0169 ppm	0.0537 ppm	0.0001 ppm	6.1216 ppm
Concentration per Run	-0.0001 ppm	0.0171 ppm	0.0013 ppm	0.0173 ppm	0.0533 ppm	0.0001 ppm	6.1030 ppm
Concentration per Run	0.0002 ppm	0.0234 ppm	0.0001 ppm	0.0169 ppm	0.0540 ppm	0.0000 ppm	6.1332 ppm
Concentration per Run	-0.0001 ppm	0.0127 ppm	-0.0006 ppm	0.0165 ppm	0.0537 ppm	0.0000 ppm	6.1288 ppm
Concentration RSD	4,111.3 %	30.3 %	354.0 %	2.2 %	0.6 %	63.3 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0028 ppm	0.0044 ppm	0.0004 ppm	0.0395 ppm	0.0059 ppm	0.3604 ppm	0.0000 ppm
Concentration per Run	0.0028 ppm	0.0039 ppm	0.0001 ppm	0.0394 ppm	0.0066 ppm	0.4011 ppm	0.0013 ppm
Concentration per Run	0.0028 ppm	0.0051 ppm	0.0007 ppm	0.0397 ppm	0.0054 ppm	0.3435 ppm	-0.0009 ppm
Concentration per Run	0.0028 ppm	0.0042 ppm	0.0004 ppm	0.0394 ppm	0.0056 ppm	0.3366 ppm	-0.0004 ppm
Concentration RSD	0.9 %	13.7 %	79.0 %	0.4 %	11.3 %	9.8 %	15,622.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.7836 ppm	0.5787 ppm	-0.0001 ppm	130.6461 ppm	0.0115 ppm	1.6841 ppm	0.0010 ppm
Concentration per Run	0.7780 ppm	0.5769 ppm	0.0001 ppm	129.3793 ppm	0.0106 ppm	1.6842 ppm	0.0028 ppm
Concentration per Run	0.7852 ppm	0.5795 ppm	-0.0006 ppm	131.8154 ppm	0.0118 ppm	1.6869 ppm	-0.0015 ppm
Concentration per Run	0.7877 ppm	0.5795 ppm	0.0003 ppm	130.7436 ppm	0.0120 ppm	1.6812 ppm	0.0016 ppm
Concentration RSD	0.6 %	0.3 %	615.0 %	0.9 %	6.6 %	0.2 %	226.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0023 ppm	0.1660 ppm	0.0007 ppm	0.0387 ppm	0.0004 ppm	0.0014 ppm	-0.0001 ppm
Concentration per Run	0.0063 ppm	0.1664 ppm	0.0008 ppm	0.0386 ppm	0.0006 ppm	0.0012 ppm	0.0000 ppm
Concentration per Run	0.0002 ppm	0.1664 ppm	0.0007 ppm	0.0388 ppm	0.0000 ppm	0.0014 ppm	-0.0002 ppm
Concentration per Run	0.0003 ppm	0.1652 ppm	0.0008 ppm	0.0388 ppm	0.0006 ppm	0.0015 ppm	-0.0001 ppm
Concentration RSD	154.3 %	0.4 %	8.7 %	0.3 %	97.4 %	12.9 %	74.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3254 ppm	100.1137 %	102.0681 %	95.6584 %	97.0727 %	100.2854 %	97.6915 %
Concentration per Run	0.3246 ppm	100.6053 %	103.3857 %	94.8741 %	97.6080 %	100.9013 %	97.1207 %
Concentration per Run	0.3275 ppm	99.6068 %	101.3620 %	95.8526 %	96.5109 %	100.0821 %	97.9461 %
Concentration per Run	0.3241 ppm	100.1290 %	101.4565 %	96.2484 %	97.0991 %	99.8728 %	98.0077 %
Concentration RSD	0.6 %	0.5 %	1.1 %	0.7 %	0.6 %	0.5 %	0.5 %

ICP DataTrace 11

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LabBook: WG2146815_11262025T11.imexp

Sample: L2573529-25 WG2145058
Analysis started at: 11/26/2025 9:37:21 PM
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Rack Number 3
Vial Numbers 39

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0257 ppm	0.0006 ppm	0.0132 ppm	0.0750 ppm	0.0000 ppm	4.0410 ppm
Concentration per Run	0.0001 ppm	0.0198 ppm	0.0012 ppm	0.0129 ppm	0.0749 ppm	0.0001 ppm	4.0449 ppm
Concentration per Run	-0.0002 ppm	0.0255 ppm	0.0019 ppm	0.0130 ppm	0.0747 ppm	0.0000 ppm	4.0188 ppm
Concentration per Run	-0.0002 ppm	0.0319 ppm	-0.0012 ppm	0.0138 ppm	0.0754 ppm	0.0000 ppm	4.0595 ppm
Concentration RSD	160.9 %	23.4 %	257.2 %	3.6 %	0.5 %	74.0 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0021 ppm	0.0033 ppm	0.0005 ppm	0.0110 ppm	0.0189 ppm	0.2301 ppm	0.0003 ppm
Concentration per Run	0.0021 ppm	0.0037 ppm	0.0007 ppm	0.0113 ppm	0.0191 ppm	0.2525 ppm	0.0007 ppm
Concentration per Run	0.0022 ppm	0.0034 ppm	0.0002 ppm	0.0109 ppm	0.0189 ppm	0.2135 ppm	0.0011 ppm
Concentration per Run	0.0020 ppm	0.0028 ppm	0.0007 ppm	0.0110 ppm	0.0187 ppm	0.2242 ppm	-0.0008 ppm
Concentration RSD	4.2 %	13.3 %	53.0 %	1.9 %	0.9 %	8.7 %	305.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.6777 ppm	0.3168 ppm	-0.0001 ppm	130.0974 ppm	0.0110 ppm	5.6634 ppm	0.0031 ppm
Concentration per Run	0.6803 ppm	0.3161 ppm	0.0000 ppm	129.3458 ppm	0.0109 ppm	5.6721 ppm	0.0019 ppm
Concentration per Run	0.6781 ppm	0.3155 ppm	-0.0005 ppm	130.0508 ppm	0.0113 ppm	5.6676 ppm	0.0033 ppm
Concentration per Run	0.6748 ppm	0.3188 ppm	0.0002 ppm	130.8955 ppm	0.0110 ppm	5.6506 ppm	0.0041 ppm
Concentration RSD	0.4 %	0.5 %	357.2 %	0.6 %	2.2 %	0.2 %	34.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0037 ppm	0.1867 ppm	0.0006 ppm	0.0219 ppm	0.0002 ppm	0.0002 ppm	0.0001 ppm
Concentration per Run	0.0028 ppm	0.1832 ppm	0.0004 ppm	0.0219 ppm	0.0001 ppm	-0.0001 ppm	0.0002 ppm
Concentration per Run	0.0046 ppm	0.1885 ppm	0.0004 ppm	0.0219 ppm	0.0000 ppm	-0.0012 ppm	0.0001 ppm
Concentration per Run	0.0038 ppm	0.1884 ppm	0.0009 ppm	0.0220 ppm	0.0003 ppm	0.0018 ppm	0.0001 ppm
Concentration RSD	24.2 %	1.6 %	51.6 %	0.4 %	104.1 %	895.6 %	49.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4579 ppm	100.2874 %	102.1345 %	96.0063 %	97.1233 %	100.3669 %	98.0452 %
Concentration per Run	0.4563 ppm	100.4856 %	101.8113 %	95.7876 %	97.1512 %	99.8159 %	97.8939 %
Concentration per Run	0.4585 ppm	99.6980 %	102.8408 %	95.8804 %	96.7196 %	100.7009 %	97.8803 %
Concentration per Run	0.4589 ppm	100.6786 %	101.7514 %	96.3510 %	97.4992 %	100.5837 %	98.3615 %
Concentration RSD	0.3 %	0.5 %	0.6 %	0.3 %	0.4 %	0.5 %	0.3 %

ICP DataTrace 11

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LabBook: WG2146815_11262025T11.imexp

Sample: L2573529-28 WG2145058
Analysis started at: 11/26/2025 9:39:38 PM
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Rack Number 3
Vial Numbers 40

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0899 ppm	-0.0006 ppm	0.0149 ppm	0.0680 ppm	0.0001 ppm	4.3860 ppm
Concentration per Run	0.0003 ppm	0.0927 ppm	-0.0017 ppm	0.0141 ppm	0.0682 ppm	0.0001 ppm	4.4021 ppm
Concentration per Run	-0.0007 ppm	0.0829 ppm	-0.0004 ppm	0.0145 ppm	0.0679 ppm	0.0001 ppm	4.3790 ppm
Concentration per Run	0.0004 ppm	0.0940 ppm	0.0004 ppm	0.0162 ppm	0.0678 ppm	0.0001 ppm	4.3770 ppm
Concentration RSD	12,422.1 %	6.8 %	188.2 %	7.6 %	0.3 %	18.8 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0021 ppm	0.0061 ppm	0.0007 ppm	0.4321 ppm	0.1044 ppm	0.2561 ppm	0.0013 ppm
Concentration per Run	0.0022 ppm	0.0061 ppm	0.0012 ppm	0.4328 ppm	0.1049 ppm	0.3011 ppm	0.0018 ppm
Concentration per Run	0.0021 ppm	0.0065 ppm	0.0000 ppm	0.4329 ppm	0.1041 ppm	0.2288 ppm	0.0012 ppm
Concentration per Run	0.0021 ppm	0.0058 ppm	0.0007 ppm	0.4307 ppm	0.1043 ppm	0.2383 ppm	0.0007 ppm
Concentration RSD	2.5 %	5.2 %	93.2 %	0.3 %	0.4 %	15.4 %	41.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.6085 ppm	0.4154 ppm	0.0004 ppm	131.6983 ppm	0.0118 ppm	2.7756 ppm	0.0024 ppm
Concentration per Run	0.6060 ppm	0.4168 ppm	0.0000 ppm	132.1643 ppm	0.0116 ppm	2.7742 ppm	0.0010 ppm
Concentration per Run	0.6125 ppm	0.4144 ppm	0.0006 ppm	131.5957 ppm	0.0118 ppm	2.7774 ppm	0.0036 ppm
Concentration per Run	0.6070 ppm	0.4150 ppm	0.0006 ppm	131.3348 ppm	0.0121 ppm	2.7751 ppm	0.0027 ppm
Concentration RSD	0.6 %	0.3 %	77.2 %	0.3 %	2.3 %	0.1 %	55.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0009 ppm	0.1472 ppm	0.0004 ppm	0.0221 ppm	0.0003 ppm	0.0008 ppm	0.0002 ppm
Concentration per Run	0.0016 ppm	0.1474 ppm	0.0016 ppm	0.0220 ppm	0.0003 ppm	0.0012 ppm	0.0001 ppm
Concentration per Run	0.0018 ppm	0.1480 ppm	0.0008 ppm	0.0221 ppm	0.0001 ppm	0.0011 ppm	0.0004 ppm
Concentration per Run	-0.0006 ppm	0.1462 ppm	-0.0011 ppm	0.0223 ppm	0.0004 ppm	0.0000 ppm	0.0001 ppm
Concentration RSD	145.1 %	0.6 %	323.9 %	0.6 %	67.8 %	81.4 %	81.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4185 ppm	100.2633 %	103.6367 %	96.1365 %	97.1653 %	101.6135 %	98.0686 %
Concentration per Run	0.4163 ppm	100.0902 %	102.9952 %	96.2560 %	97.3584 %	101.3699 %	98.1188 %
Concentration per Run	0.4217 ppm	99.9632 %	104.1520 %	96.0510 %	96.3953 %	102.1340 %	97.9555 %
Concentration per Run	0.4176 ppm	100.7365 %	103.7630 %	96.1026 %	97.7422 %	101.3365 %	98.1314 %
Concentration RSD	0.7 %	0.4 %	0.6 %	0.1 %	0.7 %	0.4 %	0.1 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2573529-31 WG2145058
Analysis started at: 11/26/2025 9:41:50 PM
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Rack Number 3
Vial Numbers 41

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0003 ppm	0.2087 ppm	0.0002 ppm	0.0099 ppm	0.0666 ppm	0.0001 ppm	2.7235 ppm
Concentration per Run	0.0005 ppm	0.2057 ppm	-0.0010 ppm	0.0108 ppm	0.0661 ppm	0.0001 ppm	2.7174 ppm
Concentration per Run	0.0006 ppm	0.2136 ppm	0.0013 ppm	0.0091 ppm	0.0673 ppm	0.0001 ppm	2.7463 ppm
Concentration per Run	-0.0001 ppm	0.2070 ppm	0.0003 ppm	0.0098 ppm	0.0663 ppm	0.0001 ppm	2.7069 ppm
Concentration RSD	118.2 %	2.0 %	541.4 %	8.5 %	0.9 %	16.0 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0041 ppm	0.0043 ppm	0.0006 ppm	2.1584 ppm	0.1039 ppm	0.2676 ppm	0.0004 ppm
Concentration per Run	0.0041 ppm	0.0044 ppm	0.0005 ppm	2.1594 ppm	0.1039 ppm	0.2740 ppm	-0.0007 ppm
Concentration per Run	0.0041 ppm	0.0044 ppm	0.0006 ppm	2.1555 ppm	0.1047 ppm	0.2767 ppm	0.0015 ppm
Concentration per Run	0.0040 ppm	0.0043 ppm	0.0007 ppm	2.1604 ppm	0.1033 ppm	0.2521 ppm	0.0004 ppm
Concentration RSD	1.8 %	1.5 %	16.2 %	0.1 %	0.7 %	5.0 %	285.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.3098 ppm	0.1509 ppm	-0.0005 ppm	129.8506 ppm	0.0244 ppm	1.0916 ppm	0.0011 ppm
Concentration per Run	0.3090 ppm	0.1508 ppm	-0.0008 ppm	128.7489 ppm	0.0238 ppm	1.0919 ppm	0.0058 ppm
Concentration per Run	0.3125 ppm	0.1525 ppm	-0.0004 ppm	131.0209 ppm	0.0251 ppm	1.0875 ppm	-0.0004 ppm
Concentration per Run	0.3078 ppm	0.1494 ppm	-0.0003 ppm	129.7819 ppm	0.0242 ppm	1.0956 ppm	-0.0020 ppm
Concentration RSD	0.8 %	1.0 %	53.3 %	0.9 %	2.6 %	0.4 %	361.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0017 ppm	0.1255 ppm	0.0008 ppm	0.0150 ppm	0.0007 ppm	0.0014 ppm	0.0000 ppm
Concentration per Run	0.0005 ppm	0.1291 ppm	0.0009 ppm	0.0149 ppm	0.0006 ppm	0.0009 ppm	-0.0001 ppm
Concentration per Run	0.0000 ppm	0.1230 ppm	0.0002 ppm	0.0151 ppm	0.0006 ppm	0.0024 ppm	0.0000 ppm
Concentration per Run	0.0045 ppm	0.1244 ppm	0.0013 ppm	0.0149 ppm	0.0009 ppm	0.0011 ppm	0.0000 ppm
Concentration RSD	147.4 %	2.5 %	74.7 %	0.9 %	22.0 %	56.8 %	185.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.9648 ppm	99.8301 %	102.7755 %	95.3251 %	96.8686 %	100.4762 %	97.5547 %
Concentration per Run	0.9598 ppm	99.3771 %	103.1032 %	95.5898 %	96.5852 %	100.5122 %	97.9497 %
Concentration per Run	0.9647 ppm	100.8767 %	101.9060 %	95.4295 %	97.5149 %	100.3994 %	97.7425 %
Concentration per Run	0.9700 ppm	99.2366 %	103.3172 %	94.9559 %	96.5058 %	100.5171 %	96.9720 %
Concentration RSD	0.5 %	0.9 %	0.7 %	0.3 %	0.6 %	0.1 %	0.5 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: CCV
Analysis started at: 11/26/2025 9:44:11 PM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4906 ppm	0.4755 ppm	0.4615 ppm	0.4813 ppm	0.4871 ppm	0.4963 ppm	0.4964 ppm
Concentration per Run	0.4903 ppm	0.4708 ppm	0.4643 ppm	0.4779 ppm	0.4841 ppm	0.4949 ppm	0.4946 ppm
Concentration per Run	0.4908 ppm	0.4834 ppm	0.4574 ppm	0.4811 ppm	0.4887 ppm	0.4960 ppm	0.4963 ppm
Concentration per Run	0.4907 ppm	0.4724 ppm	0.4627 ppm	0.4849 ppm	0.4886 ppm	0.4981 ppm	0.4982 ppm
Recovery Percentage	98.119 %	95.108 %	92.294 %	96.260 %	97.425 %	99.268 %	99.277 %
Concentration RSD	0.1 %	1.4 %	0.8 %	0.7 %	0.5 %	0.3 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4900 ppm	0.5007 ppm	0.4948 ppm	0.5033 ppm	0.4892 ppm	5.1721 ppm	0.5022 ppm
Concentration per Run	0.4908 ppm	0.5012 ppm	0.4952 ppm	0.5042 ppm	0.4879 ppm	5.1727 ppm	0.4960 ppm
Concentration per Run	0.4896 ppm	0.4998 ppm	0.4946 ppm	0.5032 ppm	0.4880 ppm	5.1717 ppm	0.5033 ppm
Concentration per Run	0.4896 ppm	0.5010 ppm	0.4947 ppm	0.5024 ppm	0.4917 ppm	5.1721 ppm	0.5072 ppm
Recovery Percentage	98.007 %	100.134 %	98.965 %	100.654 %	97.843 %	103.443 %	100.436 %
Concentration RSD	0.1 %	0.1 %	0.1 %	0.2 %	0.4 %	0.0 %	1.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4911 ppm	0.5008 ppm	0.4794 ppm	9.9934 ppm	0.5020 ppm	0.4923 ppm	0.4993 ppm
Concentration per Run	0.4909 ppm	0.5009 ppm	0.4775 ppm	9.9756 ppm	0.5006 ppm	0.4938 ppm	0.4941 ppm
Concentration per Run	0.4894 ppm	0.4985 ppm	0.4798 ppm	10.0123 ppm	0.5018 ppm	0.4908 ppm	0.5013 ppm
Concentration per Run	0.4929 ppm	0.5029 ppm	0.4810 ppm	9.9924 ppm	0.5035 ppm	0.4922 ppm	0.5025 ppm
Recovery Percentage	98.212 %	100.156 %	95.889 %	99.934 %	100.392 %	98.452 %	99.865 %
Concentration RSD	0.4 %	0.4 %	0.4 %	0.2 %	0.3 %	0.3 %	0.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4756 ppm	5.2518 ppm	0.4864 ppm	0.4823 ppm	0.4899 ppm	0.5026 ppm	0.4978 ppm
Concentration per Run	0.4741 ppm	5.2206 ppm	0.4895 ppm	0.4791 ppm	0.4890 ppm	0.4998 ppm	0.4978 ppm
Concentration per Run	0.4782 ppm	5.2566 ppm	0.4867 ppm	0.4840 ppm	0.4887 ppm	0.5031 ppm	0.4985 ppm
Concentration per Run	0.4744 ppm	5.2783 ppm	0.4831 ppm	0.4840 ppm	0.4922 ppm	0.5050 ppm	0.4971 ppm
Recovery Percentage	95.111 %	100.034 %	97.288 %	96.468 %	97.989 %	100.526 %	99.563 %
Concentration RSD	0.5 %	0.6 %	0.7 %	0.6 %	0.4 %	0.5 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4928 ppm	103.8603 %	102.6253 %	103.4608 %	101.7143 %	100.8170 %	102.0316 %
Concentration per Run	0.4930 ppm	103.7640 %	102.6543 %	103.1674 %	101.7142 %	100.9447 %	101.7295 %
Concentration per Run	0.4927 ppm	104.8518 %	102.5192 %	103.3357 %	102.8806 %	100.2067 %	101.7584 %
Concentration per Run	0.4928 ppm	102.9652 %	102.7023 %	103.8793 %	100.5480 %	101.2995 %	102.6071 %
Recovery Percentage	98.564 %						
Concentration RSD	0.0 %	0.9 %	0.1 %	0.4 %	1.1 %	0.6 %	0.5 %

ICP DataTrace 11

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LabBook: WG2146815_11262025T11.imexp

Sample: CCB
Analysis started at: 11/26/2025 9:46:33 PM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0123 ppm	-0.0017 ppm	0.0011 ppm	-0.0001 ppm	0.0000 ppm	0.0019 ppm
Concentration per Run	0.0002 ppm	0.0182 ppm	-0.0023 ppm	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0004 ppm
Concentration per Run	-0.0003 ppm	0.0152 ppm	-0.0030 ppm	0.0022 ppm	-0.0002 ppm	0.0000 ppm	0.0040 ppm
Concentration per Run	-0.0002 ppm	0.0034 ppm	0.0003 ppm	0.0012 ppm	-0.0001 ppm	0.0001 ppm	0.0014 ppm
Recovery Percentage	-1.104 %	12.254 %	-33.390 %	3.739 %	-1.327 %	0.643 %	1.936 %
Concentration RSD	365.9 %	63.6 %	103.3 %	100.0 %	46.7 %	99.7 %	95.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0000 ppm	0.0002 ppm	0.0000 ppm	0.0009 ppm	0.0226 ppm	-0.0006 ppm
Concentration per Run	0.0002 ppm	0.0000 ppm	0.0003 ppm	0.0006 ppm	0.0018 ppm	0.0559 ppm	-0.0016 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	0.0003 ppm	-0.0002 ppm	0.0006 ppm	-0.0131 ppm	0.0002 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	-0.0001 ppm	-0.0003 ppm	0.0003 ppm	0.0250 ppm	-0.0003 ppm
Recovery Percentage	1.510 %	0.139 %	1.589 %	0.371 %	1.768 %	0.904 %	-11.130 %
Concentration RSD	111.6 %	131.3 %	139.2 %	1,265.1 %	87.7 %	153.0 %	172.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0003 ppm	-0.0001 ppm	0.0004 ppm	0.0335 ppm	0.0003 ppm	-0.0006 ppm	0.0021 ppm
Concentration per Run	0.0016 ppm	0.0000 ppm	0.0007 ppm	0.0366 ppm	0.0008 ppm	-0.0002 ppm	0.0009 ppm
Concentration per Run	-0.0024 ppm	-0.0001 ppm	0.0000 ppm	0.0331 ppm	-0.0006 ppm	-0.0007 ppm	0.0017 ppm
Concentration per Run	-0.0002 ppm	-0.0002 ppm	0.0005 ppm	0.0309 ppm	0.0006 ppm	-0.0009 ppm	0.0035 ppm
Recovery Percentage	-0.340 %	-0.943 %	0.801 %	1.676 %	1.015 %	-5.986 %	4.110 %
Concentration RSD	598.2 %	102.2 %	81.3 %	8.6 %	289.9 %	58.5 %	64.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0013 ppm	0.0009 ppm	0.0002 ppm	0.0000 ppm	0.0004 ppm	0.0002 ppm	0.0003 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	0.0008 ppm	-0.0001 ppm	0.0002 ppm	-0.0008 ppm	0.0004 ppm
Concentration per Run	-0.0015 ppm	0.0011 ppm	-0.0004 ppm	0.0000 ppm	0.0004 ppm	0.0006 ppm	0.0004 ppm
Concentration per Run	0.0052 ppm	0.0018 ppm	0.0003 ppm	0.0000 ppm	0.0006 ppm	0.0008 ppm	0.0000 ppm
Recovery Percentage	12.502 %	0.190 %	0.470 %	-0.283 %	4.063 %	0.843 %	2.563 %
Concentration RSD	283.1 %	98.1 %	256.5 %	238.3 %	49.3 %	520.9 %	103.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0002 ppm	102.1536 %	101.7401 %	102.6151 %	102.2451 %	101.4570 %	102.0013 %
Concentration per Run	0.0000 ppm	102.1052 %	100.6063 %	102.2027 %	101.9186 %	100.8489 %	101.5437 %
Concentration per Run	-0.0005 ppm	102.5842 %	102.2017 %	102.8713 %	102.6685 %	101.6165 %	102.3125 %
Concentration per Run	-0.0002 ppm	101.7713 %	102.4123 %	102.7711 %	102.1481 %	101.9056 %	102.1478 %
Recovery Percentage	-4.197 %						
Concentration RSD	110.5 %	0.4 %	1.0 %	0.4 %	0.4 %	0.5 %	0.4 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2146097-1 WG2146097
Analysis started at: 11/26/2025 10:01:25 PM
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Rack Number 3
Vial Numbers 42

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	0.0099 ppm	-0.0033 ppm	0.0007 ppm	-0.0001 ppm	0.0000 ppm	0.0122 ppm
Concentration per Run	0.0003 ppm	0.0143 ppm	-0.0035 ppm	0.0013 ppm	-0.0001 ppm	0.0000 ppm	0.0127 ppm
Concentration per Run	0.0008 ppm	0.0116 ppm	-0.0032 ppm	0.0012 ppm	0.0001 ppm	0.0001 ppm	0.0107 ppm
Concentration per Run	-0.0006 ppm	0.0039 ppm	-0.0031 ppm	-0.0003 ppm	-0.0002 ppm	0.0000 ppm	0.0132 ppm
Recovery Percentage	2.561 %	9.911 %	-65.459 %	2.460 %	-0.528 %	1.110 %	12.200 %
Concentration RSD	378.1 %	54.3 %	6.8 %	120.8 %	230.9 %	91.2 %	10.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0000 ppm	0.0001 ppm	0.0006 ppm	0.0127 ppm	0.0263 ppm	-0.0005 ppm
Concentration per Run	-0.0001 ppm	0.0002 ppm	-0.0001 ppm	0.0009 ppm	0.0126 ppm	0.0010 ppm	-0.0007 ppm
Concentration per Run	0.0002 ppm	-0.0003 ppm	0.0004 ppm	0.0002 ppm	0.0121 ppm	0.0525 ppm	-0.0001 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	0.0000 ppm	0.0006 ppm	0.0134 ppm	0.0252 ppm	-0.0008 ppm
Recovery Percentage	1.728 %	0.160 %	0.800 %	5.605 %	25.427 %	1.051 %	-10.718 %
Concentration RSD	165.8 %	1,034.9 %	316.5 %	60.5 %	5.4 %	98.0 %	75.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0037 ppm	0.0001 ppm	0.0001 ppm	0.0236 ppm	0.0002 ppm	-0.0008 ppm	-0.0015 ppm
Concentration per Run	0.0032 ppm	0.0001 ppm	0.0004 ppm	0.0232 ppm	-0.0007 ppm	-0.0010 ppm	-0.0058 ppm
Concentration per Run	0.0041 ppm	0.0001 ppm	-0.0001 ppm	0.0257 ppm	0.0002 ppm	-0.0005 ppm	0.0012 ppm
Concentration per Run	0.0038 ppm	0.0002 ppm	-0.0001 ppm	0.0218 ppm	0.0011 ppm	-0.0009 ppm	-0.0001 ppm
Recovery Percentage	3.732 %	1.199 %	0.140 %	1.179 %	0.752 %	-7.767 %	-3.098 %
Concentration RSD	11.9 %	54.3 %	379.6 %	8.5 %	481.4 %	35.4 %	242.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0022 ppm	0.0094 ppm	0.0079 ppm	0.0001 ppm	0.0004 ppm	0.0003 ppm	0.0000 ppm
Concentration per Run	0.0043 ppm	0.0075 ppm	0.0080 ppm	0.0000 ppm	0.0006 ppm	0.0006 ppm	0.0000 ppm
Concentration per Run	0.0023 ppm	0.0106 ppm	0.0080 ppm	0.0002 ppm	0.0006 ppm	0.0003 ppm	0.0002 ppm
Concentration per Run	0.0001 ppm	0.0101 ppm	0.0076 ppm	0.0001 ppm	0.0001 ppm	0.0000 ppm	-0.0002 ppm
Recovery Percentage	22.354 %	1.881 %	15.766 %	0.874 %	4.291 %	1.446 %	0.115 %
Concentration RSD	95.1 %	17.4 %	2.6 %	70.0 %	65.6 %	110.5 %	1,435.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0012 ppm	103.8371 %	104.0498 %	102.1365 %	103.5294 %	103.5348 %	102.7392 %
Concentration per Run	0.0013 ppm	103.3917 %	104.1897 %	102.9310 %	103.1472 %	103.2918 %	103.3870 %
Concentration per Run	0.0013 ppm	104.3057 %	103.7256 %	101.9664 %	104.0686 %	103.4548 %	102.7487 %
Concentration per Run	0.0011 ppm	103.8139 %	104.2339 %	101.5122 %	103.3723 %	103.8577 %	102.0820 %
Recovery Percentage	24.428 %						
Concentration RSD	12.6 %	0.4 %	0.3 %	0.7 %	0.5 %	0.3 %	0.6 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2146097-2d2 WG2146097
Analysis started at: 11/26/2025 10:04:24 PM
Comment <Comment>
Rack Number 3
Vial Numbers 43

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0441 ppm	1.8360 ppm	0.1132 ppm	0.9565 ppm	1.7905 ppm	0.0456 ppm	9.9090 ppm
Concentration per Run	0.0439 ppm	1.8397 ppm	0.1131 ppm	0.9533 ppm	1.7904 ppm	0.0457 ppm	9.9068 ppm
Concentration per Run	0.0446 ppm	1.8322 ppm	0.1129 ppm	0.9598 ppm	1.7908 ppm	0.0455 ppm	9.9449 ppm
Concentration per Run	0.0439 ppm	1.8361 ppm	0.1135 ppm	0.9566 ppm	1.7904 ppm	0.0456 ppm	9.8753 ppm
Concentration RSD	0.9 %	0.2 %	0.2 %	0.3 %	0.0 %	0.2 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0491 ppm	0.4376 ppm	0.1763 ppm	0.2244 ppm	0.9003 ppm	10.2420 ppm	1.0471 ppm
Concentration per Run	0.0489 ppm	0.4367 ppm	0.1754 ppm	0.2234 ppm	0.9031 ppm	10.2138 ppm	1.0340 ppm
Concentration per Run	0.0496 ppm	0.4387 ppm	0.1786 ppm	0.2253 ppm	0.9037 ppm	10.2562 ppm	1.0470 ppm
Concentration per Run	0.0488 ppm	0.4373 ppm	0.1748 ppm	0.2244 ppm	0.8941 ppm	10.2559 ppm	1.0601 ppm
Concentration RSD	1.0 %	0.2 %	1.2 %	0.4 %	0.6 %	0.2 %	1.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	9.5350 ppm	0.4504 ppm	0.9581 ppm	9.9665 ppm	0.4474 ppm	0.5121 ppm	0.4740 ppm
Concentration per Run	9.5264 ppm	0.4516 ppm	0.9529 ppm	9.9435 ppm	0.4444 ppm	0.5123 ppm	0.4763 ppm
Concentration per Run	9.5594 ppm	0.4510 ppm	0.9628 ppm	9.9521 ppm	0.4507 ppm	0.5115 ppm	0.4751 ppm
Concentration per Run	9.5190 ppm	0.4485 ppm	0.9587 ppm	10.0040 ppm	0.4470 ppm	0.5125 ppm	0.4706 ppm
Concentration RSD	0.2 %	0.4 %	0.5 %	0.3 %	0.7 %	0.1 %	0.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1161 ppm	0.5342 ppm	0.9640 ppm	0.9461 ppm	0.9728 ppm	0.1190 ppm	0.4551 ppm
Concentration per Run	0.1153 ppm	0.5246 ppm	0.9559 ppm	0.9442 ppm	0.9732 ppm	0.1210 ppm	0.4541 ppm
Concentration per Run	0.1177 ppm	0.5408 ppm	0.9709 ppm	0.9463 ppm	0.9763 ppm	0.1163 ppm	0.4562 ppm
Concentration per Run	0.1153 ppm	0.5373 ppm	0.9653 ppm	0.9479 ppm	0.9687 ppm	0.1197 ppm	0.4552 ppm
Concentration RSD	1.2 %	1.6 %	0.8 %	0.2 %	0.4 %	2.1 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4399 ppm	103.1253 %	103.7966 %	99.8654 %	101.0103 %	102.1204 %	99.7532 %
Concentration per Run	0.4376 ppm	103.4430 %	103.8907 %	100.2686 %	100.9685 %	101.9747 %	100.2436 %
Concentration per Run	0.4449 ppm	103.0924 %	103.7375 %	99.8295 %	101.0683 %	102.3303 %	99.8612 %
Concentration per Run	0.4371 ppm	102.8405 %	103.7617 %	99.4980 %	100.9942 %	102.0563 %	99.1548 %
Concentration RSD	1.0 %	0.3 %	0.1 %	0.4 %	0.1 %	0.2 %	0.6 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2574361-07d2 WG2146097
Analysis started at: 11/26/2025 10:06:40 PM
Comment <Comment>
Rack Number 3
Vial Numbers 49

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	42.0357 ppm	0.1306 ppm	0.0334 ppm	0.2276 ppm	0.0022 ppm	4.8678 ppm
Concentration per Run	-0.0003 ppm	41.8978 ppm	0.1331 ppm	0.0352 ppm	0.2266 ppm	0.0022 ppm	4.8343 ppm
Concentration per Run	0.0007 ppm	41.8612 ppm	0.1285 ppm	0.0333 ppm	0.2269 ppm	0.0022 ppm	4.8554 ppm
Concentration per Run	0.0000 ppm	42.3482 ppm	0.1302 ppm	0.0317 ppm	0.2293 ppm	0.0023 ppm	4.9139 ppm
Concentration RSD	396.5 %	0.6 %	1.8 %	5.1 %	0.6 %	2.0 %	0.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0008 ppm	0.0266 ppm	0.1365 ppm	0.0225 ppm	93.5420 ppm	7.1927 ppm	0.0801 ppm
Concentration per Run	0.0008 ppm	0.0272 ppm	0.1394 ppm	0.0226 ppm	92.9289 ppm	7.1742 ppm	0.0800 ppm
Concentration per Run	0.0008 ppm	0.0268 ppm	0.1362 ppm	0.0223 ppm	93.2265 ppm	7.1962 ppm	0.0796 ppm
Concentration per Run	0.0008 ppm	0.0257 ppm	0.1340 ppm	0.0225 ppm	94.4706 ppm	7.2076 ppm	0.0808 ppm
Concentration RSD	1.3 %	2.8 %	2.0 %	0.6 %	0.9 %	0.2 %	0.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	5.4592 ppm	0.4671 ppm	0.0029 ppm	0.4095 ppm	0.0245 ppm	0.6445 ppm	0.0036 ppm
Concentration per Run	5.4718 ppm	0.4646 ppm	0.0025 ppm	0.4047 ppm	0.0244 ppm	0.6430 ppm	0.0065 ppm
Concentration per Run	5.4474 ppm	0.4656 ppm	0.0034 ppm	0.4076 ppm	0.0246 ppm	0.6449 ppm	0.0047 ppm
Concentration per Run	5.4584 ppm	0.4712 ppm	0.0028 ppm	0.4164 ppm	0.0245 ppm	0.6456 ppm	-0.0003 ppm
Concentration RSD	0.2 %	0.8 %	15.2 %	1.5 %	0.5 %	0.2 %	98.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0009 ppm	2.5028 ppm	0.0171 ppm	0.0364 ppm	0.7991 ppm	0.0002 ppm	0.3957 ppm
Concentration per Run	0.0015 ppm	2.5308 ppm	0.0172 ppm	0.0362 ppm	0.8092 ppm	0.0004 ppm	0.3986 ppm
Concentration per Run	0.0037 ppm	2.4935 ppm	0.0165 ppm	0.0365 ppm	0.7920 ppm	0.0003 ppm	0.3960 ppm
Concentration per Run	-0.0023 ppm	2.4841 ppm	0.0176 ppm	0.0367 ppm	0.7959 ppm	0.0000 ppm	0.3925 ppm
Concentration RSD	318.8 %	1.0 %	3.2 %	0.8 %	1.1 %	96.3 %	0.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2119 ppm	106.0628 %	108.3308 %	102.6455 %	107.0490 %	110.1620 %	108.1894 %
Concentration per Run	0.2151 ppm	104.8130 %	108.4774 %	102.5961 %	105.8317 %	109.4149 %	108.1541 %
Concentration per Run	0.2102 ppm	106.7639 %	108.9451 %	102.1986 %	107.7788 %	110.8605 %	107.7921 %
Concentration per Run	0.2103 ppm	106.6115 %	107.5698 %	103.1418 %	107.5365 %	110.2108 %	108.6221 %
Concentration RSD	1.3 %	1.0 %	0.6 %	0.5 %	1.0 %	0.7 %	0.4 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2574361-08d2 WG2146097
Analysis started at: 11/26/2025 10:09:02 PM
Comment <Comment>
Rack Number 3
Vial Numbers 50

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0003 ppm	61.1048 ppm	0.1632 ppm	0.0508 ppm	0.3594 ppm	0.0035 ppm	4.1669 ppm
Concentration per Run	0.0005 ppm	60.8264 ppm	0.1647 ppm	0.0487 ppm	0.3580 ppm	0.0035 ppm	4.1569 ppm
Concentration per Run	0.0002 ppm	60.9398 ppm	0.1620 ppm	0.0514 ppm	0.3613 ppm	0.0035 ppm	4.1451 ppm
Concentration per Run	0.0002 ppm	61.5481 ppm	0.1630 ppm	0.0521 ppm	0.3588 ppm	0.0035 ppm	4.1987 ppm
Concentration RSD	50.8 %	0.6 %	0.8 %	3.5 %	0.5 %	0.8 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0006 ppm	0.0360 ppm	0.1985 ppm	0.0363 ppm	162.5452 ppm	13.1541 ppm	0.0907 ppm
Concentration per Run	0.0007 ppm	0.0355 ppm	0.1966 ppm	0.0365 ppm	162.0068 ppm	13.0853 ppm	0.0934 ppm
Concentration per Run	0.0004 ppm	0.0365 ppm	0.2024 ppm	0.0359 ppm	162.1925 ppm	13.1280 ppm	0.0898 ppm
Concentration per Run	0.0007 ppm	0.0360 ppm	0.1964 ppm	0.0366 ppm	163.4363 ppm	13.2491 ppm	0.0890 ppm
Concentration RSD	32.9 %	1.3 %	1.7 %	1.0 %	0.5 %	0.6 %	2.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	7.7248 ppm	0.3601 ppm	0.0033 ppm	0.4172 ppm	0.0294 ppm	0.0728 ppm	-0.0046 ppm
Concentration per Run	7.7397 ppm	0.3586 ppm	0.0034 ppm	0.4122 ppm	0.0298 ppm	0.0725 ppm	-0.0048 ppm
Concentration per Run	7.7050 ppm	0.3583 ppm	0.0030 ppm	0.4218 ppm	0.0287 ppm	0.0735 ppm	-0.0024 ppm
Concentration per Run	7.7298 ppm	0.3635 ppm	0.0034 ppm	0.4178 ppm	0.0296 ppm	0.0722 ppm	-0.0066 ppm
Concentration RSD	0.2 %	0.8 %	6.0 %	1.2 %	2.0 %	1.0 %	44.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0023 ppm	1.9191 ppm	0.0068 ppm	0.0338 ppm	0.8804 ppm	0.0007 ppm	0.5807 ppm
Concentration per Run	-0.0005 ppm	1.9065 ppm	0.0063 ppm	0.0338 ppm	0.8791 ppm	0.0014 ppm	0.5764 ppm
Concentration per Run	0.0043 ppm	1.9315 ppm	0.0074 ppm	0.0337 ppm	0.8825 ppm	0.0006 ppm	0.5852 ppm
Concentration per Run	0.0031 ppm	1.9194 ppm	0.0066 ppm	0.0340 ppm	0.8795 ppm	0.0002 ppm	0.5804 ppm
Concentration RSD	107.1 %	0.7 %	7.8 %	0.4 %	0.2 %	82.5 %	0.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1565 ppm	104.8708 %	107.3876 %	100.6261 %	106.6162 %	110.5537 %	108.7779 %
Concentration per Run	0.1550 ppm	104.9291 %	108.3468 %	101.1194 %	106.1631 %	111.3471 %	109.0675 %
Concentration per Run	0.1587 ppm	104.3711 %	107.4931 %	100.2151 %	106.5318 %	110.1562 %	108.6227 %
Concentration per Run	0.1558 ppm	105.3122 %	106.3229 %	100.5437 %	107.1537 %	110.1578 %	108.6436 %
Concentration RSD	1.2 %	0.5 %	0.9 %	0.5 %	0.5 %	0.6 %	0.2 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2574361-09d2 WG2146097
Analysis started at: 11/26/2025 10:11:15 PM
Comment <Comment>
Rack Number 3
Vial Numbers 51

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0019 ppm	24.1936 ppm	0.2758 ppm	0.0322 ppm	0.3802 ppm	0.0029 ppm	9.5161 ppm
Concentration per Run	0.0016 ppm	23.9648 ppm	0.2771 ppm	0.0326 ppm	0.3755 ppm	0.0028 ppm	9.4238 ppm
Concentration per Run	0.0015 ppm	24.3121 ppm	0.2753 ppm	0.0318 ppm	0.3836 ppm	0.0029 ppm	9.5479 ppm
Concentration per Run	0.0025 ppm	24.3038 ppm	0.2752 ppm	0.0323 ppm	0.3815 ppm	0.0029 ppm	9.5766 ppm
Concentration RSD	31.7 %	0.8 %	0.4 %	1.3 %	1.1 %	1.1 %	0.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0018 ppm	0.0263 ppm	0.0906 ppm	0.4861 ppm	96.0085 ppm	4.5621 ppm	0.0282 ppm
Concentration per Run	0.0017 ppm	0.0262 ppm	0.0898 ppm	0.4852 ppm	95.1117 ppm	4.5058 ppm	0.0271 ppm
Concentration per Run	0.0018 ppm	0.0268 ppm	0.0898 ppm	0.4851 ppm	96.3490 ppm	4.5616 ppm	0.0295 ppm
Concentration per Run	0.0017 ppm	0.0260 ppm	0.0921 ppm	0.4882 ppm	96.5647 ppm	4.6190 ppm	0.0279 ppm
Concentration RSD	4.0 %	1.5 %	1.5 %	0.4 %	0.8 %	1.2 %	4.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	4.6169 ppm	0.8244 ppm	0.0058 ppm	0.5074 ppm	0.0407 ppm	36.9958 ppm	0.1542 ppm
Concentration per Run	4.6100 ppm	0.8176 ppm	0.0060 ppm	0.5021 ppm	0.0405 ppm	37.1170 ppm	0.1523 ppm
Concentration per Run	4.6094 ppm	0.8269 ppm	0.0053 ppm	0.5065 ppm	0.0416 ppm	36.8934 ppm	0.1507 ppm
Concentration per Run	4.6313 ppm	0.8288 ppm	0.0060 ppm	0.5136 ppm	0.0398 ppm	36.9772 ppm	0.1597 ppm
Concentration RSD	0.3 %	0.7 %	6.8 %	1.1 %	2.3 %	0.3 %	3.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0068 ppm	6.7255 ppm	0.0352 ppm	0.0633 ppm	0.4881 ppm	0.0002 ppm	0.1126 ppm
Concentration per Run	0.0076 ppm	6.6986 ppm	0.0348 ppm	0.0626 ppm	0.4837 ppm	-0.0013 ppm	0.1130 ppm
Concentration per Run	0.0084 ppm	6.7210 ppm	0.0354 ppm	0.0636 ppm	0.4916 ppm	0.0016 ppm	0.1120 ppm
Concentration per Run	0.0045 ppm	6.7568 ppm	0.0354 ppm	0.0637 ppm	0.4891 ppm	0.0004 ppm	0.1128 ppm
Concentration RSD	30.3 %	0.4 %	1.0 %	1.0 %	0.8 %	621.5 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5623 ppm	105.7010 %	107.4014 %	101.1030 %	109.6305 %	112.0919 %	109.5993 %
Concentration per Run	0.5588 ppm	106.0107 %	107.6489 %	100.2372 %	110.1010 %	111.3850 %	108.9427 %
Concentration per Run	0.5624 ppm	105.9723 %	107.8628 %	101.2302 %	109.8169 %	112.8438 %	109.5338 %
Concentration per Run	0.5656 ppm	105.1201 %	106.6926 %	101.8417 %	108.9737 %	112.0469 %	110.3213 %
Concentration RSD	0.6 %	0.5 %	0.6 %	0.8 %	0.5 %	0.7 %	0.6 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2574361-06d2 WG2146097
Analysis started at: 11/26/2025 10:13:37 PM
Comment <Comment>
Rack Number 3
Vial Numbers 44

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0004 ppm	25.3784 ppm	0.1337 ppm	0.0157 ppm	0.1833 ppm	0.0025 ppm	3.1283 ppm
Concentration per Run	0.0002 ppm	25.3793 ppm	0.1337 ppm	0.0149 ppm	0.1835 ppm	0.0026 ppm	3.1357 ppm
Concentration per Run	0.0004 ppm	25.3360 ppm	0.1336 ppm	0.0156 ppm	0.1840 ppm	0.0025 ppm	3.1316 ppm
Concentration per Run	0.0007 ppm	25.4200 ppm	0.1339 ppm	0.0164 ppm	0.1825 ppm	0.0025 ppm	3.1177 ppm
Concentration RSD	66.6 %	0.2 %	0.1 %	4.8 %	0.4 %	1.1 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0019 ppm	0.0180 ppm	0.0859 ppm	0.0338 ppm	53.2527 ppm	2.9768 ppm	0.0650 ppm
Concentration per Run	0.0019 ppm	0.0177 ppm	0.0865 ppm	0.0340 ppm	53.3968 ppm	2.9961 ppm	0.0666 ppm
Concentration per Run	0.0019 ppm	0.0182 ppm	0.0853 ppm	0.0336 ppm	53.3245 ppm	2.9758 ppm	0.0661 ppm
Concentration per Run	0.0020 ppm	0.0181 ppm	0.0859 ppm	0.0338 ppm	53.0368 ppm	2.9584 ppm	0.0625 ppm
Concentration RSD	3.9 %	1.6 %	0.7 %	0.6 %	0.4 %	0.6 %	3.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	3.0324 ppm	0.3152 ppm	0.0086 ppm	0.2901 ppm	0.0384 ppm	2.6835 ppm	0.0179 ppm
Concentration per Run	3.0413 ppm	0.3160 ppm	0.0082 ppm	0.2868 ppm	0.0377 ppm	2.6736 ppm	0.0208 ppm
Concentration per Run	3.0236 ppm	0.3158 ppm	0.0087 ppm	0.2882 ppm	0.0390 ppm	2.6931 ppm	0.0146 ppm
Concentration per Run	3.0322 ppm	0.3139 ppm	0.0089 ppm	0.2953 ppm	0.0385 ppm	2.6839 ppm	0.0182 ppm
Concentration RSD	0.3 %	0.4 %	3.9 %	1.6 %	1.7 %	0.4 %	17.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0043 ppm	2.0772 ppm	0.0096 ppm	0.0253 ppm	0.6109 ppm	-0.0006 ppm	0.2512 ppm
Concentration per Run	0.0012 ppm	2.0739 ppm	0.0088 ppm	0.0254 ppm	0.6097 ppm	-0.0017 ppm	0.2514 ppm
Concentration per Run	0.0076 ppm	2.0713 ppm	0.0095 ppm	0.0254 ppm	0.6112 ppm	0.0007 ppm	0.2508 ppm
Concentration per Run	0.0042 ppm	2.0866 ppm	0.0107 ppm	0.0252 ppm	0.6119 ppm	-0.0008 ppm	0.2513 ppm
Concentration RSD	74.0 %	0.4 %	10.2 %	0.4 %	0.2 %	189.4 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4365 ppm	104.8575 %	106.3854 %	102.7506 %	106.3057 %	108.3162 %	107.4650 %
Concentration per Run	0.4351 ppm	104.7313 %	105.8550 %	102.8360 %	106.0441 %	108.0275 %	107.2945 %
Concentration per Run	0.4371 ppm	104.9139 %	106.5801 %	102.8126 %	106.6258 %	108.4818 %	107.5403 %
Concentration per Run	0.4373 ppm	104.9275 %	106.7212 %	102.6032 %	106.2472 %	108.4394 %	107.5603 %
Concentration RSD	0.3 %	0.1 %	0.4 %	0.1 %	0.3 %	0.2 %	0.1 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2146097-3d2 WG2146097
Analysis started at: 11/26/2025 10:15:59 PM
Comment <Comment>
Rack Number 3
Vial Numbers 45

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0410 ppm	27.2364 ppm	0.1802 ppm	0.8385 ppm	1.7355 ppm	0.0426 ppm	13.2155 ppm
Concentration per Run	0.0408 ppm	27.2034 ppm	0.1769 ppm	0.8395 ppm	1.7359 ppm	0.0426 ppm	13.2304 ppm
Concentration per Run	0.0408 ppm	27.2516 ppm	0.1829 ppm	0.8366 ppm	1.7394 ppm	0.0426 ppm	13.2331 ppm
Concentration per Run	0.0413 ppm	27.2542 ppm	0.1810 ppm	0.8395 ppm	1.7313 ppm	0.0425 ppm	13.1830 ppm
Concentration RSD	0.7 %	0.1 %	1.7 %	0.2 %	0.2 %	0.2 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0457 ppm	0.4123 ppm	0.2373 ppm	0.2799 ppm	45.7707 ppm	11.8667 ppm	0.9857 ppm
Concentration per Run	0.0455 ppm	0.4112 ppm	0.2374 ppm	0.2797 ppm	45.7785 ppm	11.8936 ppm	0.9853 ppm
Concentration per Run	0.0457 ppm	0.4118 ppm	0.2365 ppm	0.2789 ppm	45.6821 ppm	11.9017 ppm	0.9878 ppm
Concentration per Run	0.0458 ppm	0.4140 ppm	0.2380 ppm	0.2811 ppm	45.8516 ppm	11.8049 ppm	0.9838 ppm
Concentration RSD	0.3 %	0.4 %	0.3 %	0.4 %	0.2 %	0.5 %	0.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	11.6534 ppm	0.9188 ppm	0.8156 ppm	9.2484 ppm	0.4475 ppm	4.1797 ppm	0.2795 ppm
Concentration per Run	11.6431 ppm	0.9199 ppm	0.8143 ppm	9.2566 ppm	0.4454 ppm	4.1826 ppm	0.2768 ppm
Concentration per Run	11.6523 ppm	0.9190 ppm	0.8128 ppm	9.2165 ppm	0.4466 ppm	4.1810 ppm	0.2788 ppm
Concentration per Run	11.6649 ppm	0.9175 ppm	0.8196 ppm	9.2719 ppm	0.4503 ppm	4.1755 ppm	0.2828 ppm
Concentration RSD	0.1 %	0.1 %	0.4 %	0.3 %	0.6 %	0.1 %	1.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1018 ppm	4.1494 ppm	0.8502 ppm	0.8750 ppm	1.4431 ppm	0.1051 ppm	0.5947 ppm
Concentration per Run	0.1037 ppm	4.1577 ppm	0.8534 ppm	0.8750 ppm	1.4384 ppm	0.1041 ppm	0.5939 ppm
Concentration per Run	0.1014 ppm	4.1175 ppm	0.8431 ppm	0.8758 ppm	1.4440 ppm	0.1061 ppm	0.5914 ppm
Concentration per Run	0.1004 ppm	4.1730 ppm	0.8541 ppm	0.8741 ppm	1.4469 ppm	0.1052 ppm	0.5988 ppm
Concentration RSD	1.7 %	0.7 %	0.7 %	0.1 %	0.3 %	0.9 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.9614 ppm	103.9552 %	107.3240 %	100.5171 %	103.1156 %	107.4138 %	103.6267 %
Concentration per Run	0.9603 ppm	103.5231 %	107.1939 %	100.5235 %	103.0429 %	107.5941 %	103.6742 %
Concentration per Run	0.9605 ppm	104.4756 %	107.5213 %	100.1961 %	103.3231 %	107.6057 %	103.4236 %
Concentration per Run	0.9635 ppm	103.8670 %	107.2567 %	100.8319 %	102.9809 %	107.0418 %	103.7823 %
Concentration RSD	0.2 %	0.5 %	0.2 %	0.3 %	0.2 %	0.3 %	0.2 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2146097-4d2 WG2146097
Analysis started at: 11/26/2025 10:18:15 PM
Comment <Comment>
Rack Number 3
Vial Numbers 46

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0431 ppm	33.8803 ppm	0.2554 ppm	0.8965 ppm	1.8697 ppm	0.0467 ppm	11.8935 ppm
Concentration per Run	0.0432 ppm	33.9153 ppm	0.2556 ppm	0.8972 ppm	1.8727 ppm	0.0467 ppm	11.8683 ppm
Concentration per Run	0.0431 ppm	33.7874 ppm	0.2543 ppm	0.9021 ppm	1.8623 ppm	0.0466 ppm	11.8760 ppm
Concentration per Run	0.0431 ppm	33.9383 ppm	0.2564 ppm	0.8901 ppm	1.8741 ppm	0.0467 ppm	11.9361 ppm
Concentration RSD	0.1 %	0.2 %	0.4 %	0.7 %	0.3 %	0.1 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0484 ppm	0.4363 ppm	0.2495 ppm	0.2326 ppm	50.4098 ppm	13.4785 ppm	1.0968 ppm
Concentration per Run	0.0483 ppm	0.4373 ppm	0.2484 ppm	0.2329 ppm	50.3364 ppm	13.4684 ppm	1.0903 ppm
Concentration per Run	0.0488 ppm	0.4368 ppm	0.2522 ppm	0.2315 ppm	50.3506 ppm	13.4648 ppm	1.0678 ppm
Concentration per Run	0.0482 ppm	0.4348 ppm	0.2480 ppm	0.2333 ppm	50.5424 ppm	13.5022 ppm	1.1323 ppm
Concentration RSD	0.7 %	0.3 %	0.9 %	0.4 %	0.2 %	0.2 %	3.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	12.6460 ppm	0.6529 ppm	0.9031 ppm	9.8424 ppm	0.4565 ppm	1.3162 ppm	0.2704 ppm
Concentration per Run	12.6318 ppm	0.6533 ppm	0.9041 ppm	9.8168 ppm	0.4564 ppm	1.3158 ppm	0.2695 ppm
Concentration per Run	12.6734 ppm	0.6511 ppm	0.9029 ppm	9.7988 ppm	0.4557 ppm	1.3142 ppm	0.2706 ppm
Concentration per Run	12.6327 ppm	0.6542 ppm	0.9022 ppm	9.9115 ppm	0.4573 ppm	1.3184 ppm	0.2711 ppm
Concentration RSD	0.2 %	0.2 %	0.1 %	0.6 %	0.2 %	0.2 %	0.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1098 ppm	4.9142 ppm	0.9253 ppm	0.9370 ppm	1.2473 ppm	0.1133 ppm	0.6464 ppm
Concentration per Run	0.1108 ppm	4.9177 ppm	0.9261 ppm	0.9377 ppm	1.2482 ppm	0.1138 ppm	0.6462 ppm
Concentration per Run	0.1054 ppm	4.9153 ppm	0.9280 ppm	0.9336 ppm	1.2549 ppm	0.1125 ppm	0.6458 ppm
Concentration per Run	0.1132 ppm	4.9095 ppm	0.9217 ppm	0.9397 ppm	1.2388 ppm	0.1136 ppm	0.6474 ppm
Concentration RSD	3.6 %	0.1 %	0.3 %	0.3 %	0.6 %	0.6 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5693 ppm	103.3962 %	106.2852 %	99.8340 %	104.9471 %	108.4864 %	105.9150 %
Concentration per Run	0.5683 ppm	103.5017 %	106.4377 %	99.1463 %	105.2096 %	108.4909 %	105.2430 %
Concentration per Run	0.5729 ppm	102.8291 %	106.1527 %	100.2726 %	103.8046 %	108.1638 %	106.2481 %
Concentration per Run	0.5667 ppm	103.8580 %	106.2652 %	100.0831 %	105.8271 %	108.8044 %	106.2540 %
Concentration RSD	0.6 %	0.5 %	0.1 %	0.6 %	1.0 %	0.3 %	0.5 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2146097-5d2 WG2146097
Analysis started at: 11/26/2025 10:20:28 PM
Comment <Comment>
Rack Number 3
Vial Numbers 47

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0430 ppm	26.3292 ppm	0.2448 ppm	0.9495 ppm	1.9126 ppm	0.0465 ppm	12.7109 ppm
Concentration per Run	0.0430 ppm	26.3502 ppm	0.2442 ppm	0.9492 ppm	1.9082 ppm	0.0465 ppm	12.7196 ppm
Concentration per Run	0.0434 ppm	26.4316 ppm	0.2440 ppm	0.9468 ppm	1.9306 ppm	0.0469 ppm	12.7952 ppm
Concentration per Run	0.0424 ppm	26.2057 ppm	0.2461 ppm	0.9527 ppm	1.8990 ppm	0.0462 ppm	12.6179 ppm
Concentration RSD	1.1 %	0.4 %	0.5 %	0.3 %	0.9 %	0.8 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0494 ppm	0.4431 ppm	0.2532 ppm	0.2528 ppm	51.9799 ppm	12.6389 ppm	0.0617 ppm
Concentration per Run	0.0492 ppm	0.4428 ppm	0.2527 ppm	0.2525 ppm	51.8624 ppm	12.5931 ppm	0.0623 ppm
Concentration per Run	0.0494 ppm	0.4432 ppm	0.2535 ppm	0.2532 ppm	52.4408 ppm	12.7379 ppm	0.0627 ppm
Concentration per Run	0.0495 ppm	0.4434 ppm	0.2533 ppm	0.2528 ppm	51.6366 ppm	12.5855 ppm	0.0600 ppm
Concentration RSD	0.3 %	0.1 %	0.2 %	0.1 %	0.8 %	0.7 %	2.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	12.2795 ppm	0.7394 ppm	0.9400 ppm	10.1283 ppm	0.4701 ppm	3.0755 ppm	0.4645 ppm
Concentration per Run	12.2780 ppm	0.7400 ppm	0.9353 ppm	10.1029 ppm	0.4703 ppm	3.0710 ppm	0.4633 ppm
Concentration per Run	12.2665 ppm	0.7449 ppm	0.9421 ppm	10.2076 ppm	0.4717 ppm	3.0798 ppm	0.4670 ppm
Concentration per Run	12.2939 ppm	0.7334 ppm	0.9425 ppm	10.0745 ppm	0.4683 ppm	3.0758 ppm	0.4631 ppm
Concentration RSD	0.1 %	0.8 %	0.4 %	0.7 %	0.4 %	0.1 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1149 ppm	2.9975 ppm	0.9413 ppm	0.9427 ppm	1.5317 ppm	0.1132 ppm	0.6823 ppm
Concentration per Run	0.1137 ppm	2.9898 ppm	0.9374 ppm	0.9395 ppm	1.5312 ppm	0.1127 ppm	0.6797 ppm
Concentration per Run	0.1125 ppm	3.0052 ppm	0.9440 ppm	0.9519 ppm	1.5294 ppm	0.1146 ppm	0.6836 ppm
Concentration per Run	0.1184 ppm	2.9975 ppm	0.9427 ppm	0.9368 ppm	1.5344 ppm	0.1122 ppm	0.6837 ppm
Concentration RSD	2.7 %	0.3 %	0.4 %	0.9 %	0.2 %	1.1 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.8425 ppm	103.8051 %	105.5655 %	100.5805 %	104.6448 %	107.1700 %	105.5589 %
Concentration per Run	0.8389 ppm	104.4094 %	105.8362 %	100.5183 %	105.0227 %	107.5212 %	105.4190 %
Concentration per Run	0.8446 ppm	103.5279 %	105.1241 %	101.0287 %	104.5890 %	107.3610 %	106.0544 %
Concentration per Run	0.8442 ppm	103.4781 %	105.7362 %	100.1947 %	104.3227 %	106.6277 %	105.2035 %
Concentration RSD	0.4 %	0.5 %	0.4 %	0.4 %	0.3 %	0.4 %	0.4 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: WG2146097-6d10 WG2146097
Analysis started at: 11/26/2025 10:22:56 PM
Comment <Comment>
Rack Number 3
Vial Numbers 48

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	5.2302 ppm	0.0247 ppm	0.0040 ppm	0.0374 ppm	0.0005 ppm	0.6454 ppm
Concentration per Run	-0.0002 ppm	5.2231 ppm	0.0257 ppm	0.0033 ppm	0.0374 ppm	0.0005 ppm	0.6424 ppm
Concentration per Run	0.0000 ppm	5.2642 ppm	0.0259 ppm	0.0044 ppm	0.0375 ppm	0.0005 ppm	0.6486 ppm
Concentration per Run	-0.0001 ppm	5.2033 ppm	0.0224 ppm	0.0043 ppm	0.0372 ppm	0.0005 ppm	0.6451 ppm
Concentration RSD	73.0 %	0.6 %	7.9 %	15.1 %	0.4 %	7.6 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0005 ppm	0.0035 ppm	0.0173 ppm	0.0069 ppm	11.0718 ppm	0.6691 ppm	0.0133 ppm
Concentration per Run	0.0005 ppm	0.0036 ppm	0.0170 ppm	0.0068 ppm	11.0270 ppm	0.6985 ppm	0.0145 ppm
Concentration per Run	0.0005 ppm	0.0032 ppm	0.0174 ppm	0.0072 ppm	11.1444 ppm	0.6620 ppm	0.0120 ppm
Concentration per Run	0.0005 ppm	0.0038 ppm	0.0173 ppm	0.0068 ppm	11.0440 ppm	0.6467 ppm	0.0134 ppm
Concentration RSD	1.6 %	8.8 %	1.3 %	3.2 %	0.6 %	4.0 %	9.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.6193 ppm	0.0648 ppm	0.0021 ppm	0.0705 ppm	0.0089 ppm	0.5401 ppm	0.0037 ppm
Concentration per Run	0.6182 ppm	0.0645 ppm	0.0019 ppm	0.0701 ppm	0.0094 ppm	0.5387 ppm	0.0041 ppm
Concentration per Run	0.6208 ppm	0.0654 ppm	0.0018 ppm	0.0711 ppm	0.0092 ppm	0.5408 ppm	0.0030 ppm
Concentration per Run	0.6188 ppm	0.0644 ppm	0.0025 ppm	0.0704 ppm	0.0081 ppm	0.5409 ppm	0.0040 ppm
Concentration RSD	0.2 %	0.8 %	17.2 %	0.7 %	7.8 %	0.2 %	17.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0025 ppm	0.4158 ppm	0.0022 ppm	0.0052 ppm	0.1208 ppm	0.0007 ppm	0.0494 ppm
Concentration per Run	0.0018 ppm	0.4138 ppm	0.0020 ppm	0.0051 ppm	0.1209 ppm	0.0009 ppm	0.0493 ppm
Concentration per Run	0.0027 ppm	0.4169 ppm	0.0020 ppm	0.0052 ppm	0.1210 ppm	0.0010 ppm	0.0494 ppm
Concentration per Run	0.0032 ppm	0.4168 ppm	0.0026 ppm	0.0051 ppm	0.1205 ppm	0.0002 ppm	0.0496 ppm
Concentration RSD	28.4 %	0.4 %	15.0 %	1.3 %	0.3 %	58.9 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0875 ppm	105.8617 %	104.4913 %	104.6060 %	104.4764 %	103.8575 %	104.3043 %
Concentration per Run	0.0873 ppm	105.8757 %	104.3384 %	104.3774 %	104.0313 %	103.6727 %	104.1617 %
Concentration per Run	0.0877 ppm	105.5601 %	104.3227 %	104.2585 %	104.2196 %	104.1791 %	103.6922 %
Concentration per Run	0.0873 ppm	106.1492 %	104.8127 %	105.1821 %	105.1784 %	103.7206 %	105.0590 %
Concentration RSD	0.3 %	0.3 %	0.3 %	0.5 %	0.6 %	0.3 %	0.7 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: CCV
Analysis started at: 11/26/2025 10:25:23 PM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4875 ppm	0.4727 ppm	0.4609 ppm	0.4818 ppm	0.4819 ppm	0.4919 ppm	0.4887 ppm
Concentration per Run	0.4888 ppm	0.4731 ppm	0.4568 ppm	0.4822 ppm	0.4812 ppm	0.4910 ppm	0.4857 ppm
Concentration per Run	0.4893 ppm	0.4783 ppm	0.4650 ppm	0.4811 ppm	0.4790 ppm	0.4896 ppm	0.4900 ppm
Concentration per Run	0.4845 ppm	0.4666 ppm	0.4608 ppm	0.4820 ppm	0.4854 ppm	0.4953 ppm	0.4903 ppm
Recovery Percentage	97.508 %	94.539 %	92.177 %	96.356 %	96.374 %	98.385 %	97.735 %
Concentration RSD	0.5 %	1.2 %	0.9 %	0.1 %	0.7 %	0.6 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4879 ppm	0.4967 ppm	0.4907 ppm	0.5002 ppm	0.4880 ppm	5.0929 ppm	0.4889 ppm
Concentration per Run	0.4880 ppm	0.4969 ppm	0.4906 ppm	0.5001 ppm	0.4858 ppm	5.0671 ppm	0.4898 ppm
Concentration per Run	0.4892 ppm	0.4984 ppm	0.4913 ppm	0.5013 ppm	0.4850 ppm	5.0640 ppm	0.4845 ppm
Concentration per Run	0.4864 ppm	0.4950 ppm	0.4902 ppm	0.4992 ppm	0.4932 ppm	5.1476 ppm	0.4922 ppm
Recovery Percentage	97.577 %	99.349 %	98.147 %	100.035 %	97.600 %	101.858 %	97.770 %
Concentration RSD	0.3 %	0.3 %	0.1 %	0.2 %	0.9 %	0.9 %	0.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4881 ppm	0.4943 ppm	0.4775 ppm	9.8799 ppm	0.5004 ppm	0.4910 ppm	0.4939 ppm
Concentration per Run	0.4873 ppm	0.4928 ppm	0.4776 ppm	9.8666 ppm	0.5020 ppm	0.4929 ppm	0.4929 ppm
Concentration per Run	0.4900 ppm	0.4929 ppm	0.4798 ppm	9.8790 ppm	0.5015 ppm	0.4907 ppm	0.4938 ppm
Concentration per Run	0.4869 ppm	0.4973 ppm	0.4751 ppm	9.8941 ppm	0.4978 ppm	0.4894 ppm	0.4950 ppm
Recovery Percentage	97.613 %	98.869 %	95.501 %	98.799 %	100.086 %	98.197 %	98.779 %
Concentration RSD	0.3 %	0.5 %	0.5 %	0.1 %	0.5 %	0.4 %	0.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4749 ppm	5.2500 ppm	0.4812 ppm	0.4778 ppm	0.4877 ppm	0.4999 ppm	0.4946 ppm
Concentration per Run	0.4733 ppm	5.2357 ppm	0.4815 ppm	0.4768 ppm	0.4877 ppm	0.5002 ppm	0.4967 ppm
Concentration per Run	0.4793 ppm	5.2563 ppm	0.4824 ppm	0.4748 ppm	0.4878 ppm	0.5027 ppm	0.4952 ppm
Concentration per Run	0.4721 ppm	5.2582 ppm	0.4796 ppm	0.4816 ppm	0.4875 ppm	0.4967 ppm	0.4920 ppm
Recovery Percentage	94.979 %	100.001 %	96.230 %	95.551 %	97.534 %	99.972 %	98.926 %
Concentration RSD	0.8 %	0.2 %	0.3 %	0.7 %	0.0 %	0.6 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4886 ppm	104.3545 %	104.2545 %	103.7254 %	102.3673 %	102.0024 %	102.2921 %
Concentration per Run	0.4883 ppm	104.0957 %	105.0446 %	103.6113 %	102.2822 %	102.8046 %	102.1016 %
Concentration per Run	0.4900 ppm	104.5381 %	104.0785 %	103.8200 %	102.9483 %	101.5162 %	102.5146 %
Concentration per Run	0.4874 ppm	104.4297 %	103.6405 %	103.7449 %	101.8714 %	101.6864 %	102.2602 %
Recovery Percentage	97.712 %						
Concentration RSD	0.3 %	0.2 %	0.7 %	0.1 %	0.5 %	0.7 %	0.2 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: CCB
Analysis started at: 11/26/2025 10:27:49 PM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	0.0097 ppm	0.0002 ppm	0.0015 ppm	-0.0002 ppm	0.0000 ppm	0.0003 ppm
Concentration per Run	0.0000 ppm	0.0179 ppm	0.0005 ppm	0.0032 ppm	-0.0001 ppm	0.0000 ppm	0.0031 ppm
Concentration per Run	0.0005 ppm	0.0065 ppm	0.0005 ppm	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0016 ppm
Concentration per Run	0.0001 ppm	0.0049 ppm	-0.0006 ppm	0.0015 ppm	-0.0002 ppm	0.0000 ppm	-0.0037 ppm
Recovery Percentage	2.304 %	9.750 %	3.052 %	5.154 %	-1.728 %	0.447 %	0.329 %
Concentration RSD	159.1 %	73.0 %	405.2 %	101.7 %	32.1 %	107.2 %	1,089.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0001 ppm	0.0001 ppm	0.0003 ppm	0.0017 ppm	0.0422 ppm	0.0014 ppm
Concentration per Run	0.0002 ppm	-0.0006 ppm	0.0001 ppm	0.0007 ppm	0.0020 ppm	0.0284 ppm	0.0011 ppm
Concentration per Run	0.0002 ppm	0.0000 ppm	0.0003 ppm	-0.0001 ppm	0.0014 ppm	0.0489 ppm	0.0024 ppm
Concentration per Run	0.0000 ppm	0.0003 ppm	-0.0002 ppm	0.0003 ppm	0.0017 ppm	0.0494 ppm	0.0008 ppm
Recovery Percentage	2.643 %	-0.412 %	0.544 %	2.847 %	3.375 %	1.690 %	28.872 %
Concentration RSD	70.8 %	519.2 %	410.7 %	136.4 %	20.4 %	28.4 %	60.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0003 ppm	0.0000 ppm	0.0005 ppm	0.0067 ppm	0.0005 ppm	-0.0011 ppm	0.0005 ppm
Concentration per Run	0.0006 ppm	0.0003 ppm	0.0003 ppm	0.0063 ppm	0.0013 ppm	-0.0010 ppm	0.0014 ppm
Concentration per Run	-0.0009 ppm	0.0000 ppm	0.0006 ppm	0.0019 ppm	0.0002 ppm	-0.0014 ppm	-0.0016 ppm
Concentration per Run	-0.0004 ppm	-0.0002 ppm	0.0005 ppm	0.0118 ppm	0.0000 ppm	-0.0010 ppm	0.0017 ppm
Recovery Percentage	-0.261 %	0.268 %	0.927 %	0.334 %	2.005 %	-11.496 %	1.019 %
Concentration RSD	286.6 %	766.2 %	34.8 %	74.2 %	140.8 %	18.8 %	362.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0019 ppm	-0.0019 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0010 ppm	-0.0001 ppm
Concentration per Run	0.0005 ppm	-0.0020 ppm	0.0006 ppm	-0.0001 ppm	0.0005 ppm	-0.0015 ppm	0.0001 ppm
Concentration per Run	0.0001 ppm	-0.0031 ppm	-0.0004 ppm	0.0000 ppm	-0.0001 ppm	0.0030 ppm	-0.0001 ppm
Concentration per Run	0.0052 ppm	-0.0004 ppm	-0.0002 ppm	0.0000 ppm	0.0002 ppm	0.0014 ppm	-0.0002 ppm
Recovery Percentage	19.320 %	-0.371 %	0.067 %	-0.231 %	1.895 %	5.002 %	-0.616 %
Concentration RSD	146.0 %	72.9 %	1,535.8 %	295.5 %	147.9 %	228.1 %	232.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0002 ppm	102.1324 %	101.7723 %	102.3880 %	102.0668 %	101.9503 %	101.8336 %
Concentration per Run	0.0000 ppm	101.9046 %	102.0412 %	102.3046 %	101.4576 %	102.1460 %	101.8437 %
Concentration per Run	-0.0004 ppm	102.5410 %	102.0526 %	102.1876 %	102.7591 %	101.5861 %	101.4441 %
Concentration per Run	-0.0001 ppm	101.9518 %	101.2230 %	102.6719 %	101.9838 %	102.1188 %	102.2129 %
Recovery Percentage	-3.420 %						
Concentration RSD	133.5 %	0.3 %	0.5 %	0.2 %	0.6 %	0.3 %	0.4 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2574361-10d2 WG2146097
Analysis started at: 11/26/2025 10:40:41 PM
Comment <Comment>
Rack Number 3
Vial Numbers 52

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0009 ppm	30.4905 ppm	0.4647 ppm	0.0325 ppm	0.3864 ppm	0.0029 ppm	9.0237 ppm
Concentration per Run	0.0006 ppm	30.5471 ppm	0.4632 ppm	0.0334 ppm	0.3871 ppm	0.0029 ppm	9.0023 ppm
Concentration per Run	0.0007 ppm	30.5109 ppm	0.4678 ppm	0.0318 ppm	0.3868 ppm	0.0029 ppm	9.0114 ppm
Concentration per Run	0.0015 ppm	30.4137 ppm	0.4631 ppm	0.0323 ppm	0.3854 ppm	0.0029 ppm	9.0574 ppm
Concentration RSD	57.0 %	0.2 %	0.6 %	2.4 %	0.2 %	1.0 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0009 ppm	0.0407 ppm	0.0941 ppm	0.0303 ppm	98.5789 ppm	5.4982 ppm	0.0426 ppm
Concentration per Run	0.0009 ppm	0.0405 ppm	0.0940 ppm	0.0302 ppm	98.3931 ppm	5.4974 ppm	0.0404 ppm
Concentration per Run	0.0007 ppm	0.0405 ppm	0.0929 ppm	0.0304 ppm	98.4373 ppm	5.5085 ppm	0.0441 ppm
Concentration per Run	0.0010 ppm	0.0409 ppm	0.0953 ppm	0.0303 ppm	98.9063 ppm	5.4888 ppm	0.0435 ppm
Concentration RSD	13.3 %	0.5 %	1.2 %	0.4 %	0.3 %	0.2 %	4.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	5.5257 ppm	0.5804 ppm	0.0093 ppm	0.4607 ppm	0.0437 ppm	0.1572 ppm	0.0010 ppm
Concentration per Run	5.5247 ppm	0.5787 ppm	0.0095 ppm	0.4564 ppm	0.0447 ppm	0.1572 ppm	0.0009 ppm
Concentration per Run	5.5099 ppm	0.5800 ppm	0.0092 ppm	0.4650 ppm	0.0427 ppm	0.1571 ppm	0.0024 ppm
Concentration per Run	5.5426 ppm	0.5825 ppm	0.0092 ppm	0.4607 ppm	0.0436 ppm	0.1572 ppm	-0.0001 ppm
Concentration RSD	0.3 %	0.3 %	1.7 %	0.9 %	2.2 %	0.0 %	120.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0076 ppm	5.1278 ppm	0.0045 ppm	0.0597 ppm	0.6748 ppm	-0.0004 ppm	0.1942 ppm
Concentration per Run	0.0088 ppm	5.1554 ppm	0.0042 ppm	0.0598 ppm	0.6804 ppm	0.0000 ppm	0.1950 ppm
Concentration per Run	0.0048 ppm	5.1179 ppm	0.0053 ppm	0.0597 ppm	0.6670 ppm	-0.0014 ppm	0.1940 ppm
Concentration per Run	0.0093 ppm	5.1102 ppm	0.0041 ppm	0.0596 ppm	0.6771 ppm	0.0001 ppm	0.1935 ppm
Concentration RSD	32.1 %	0.5 %	14.3 %	0.1 %	1.0 %	193.6 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1587 ppm	107.1185 %	108.2865 %	101.7425 %	109.9259 %	112.3669 %	108.8658 %
Concentration per Run	0.1586 ppm	106.8933 %	108.3023 %	101.8069 %	109.7557 %	112.2242 %	108.7710 %
Concentration per Run	0.1576 ppm	108.0305 %	108.5130 %	101.7415 %	111.0207 %	112.1108 %	109.3235 %
Concentration per Run	0.1601 ppm	106.4315 %	108.0441 %	101.6790 %	109.0014 %	112.7657 %	108.5028 %
Concentration RSD	0.8 %	0.8 %	0.2 %	0.1 %	0.9 %	0.3 %	0.4 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2574361-11d2 WG2146097
Analysis started at: 11/26/2025 10:43:22 PM
Comment <Comment>
Rack Number 3
Vial Numbers 53

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0008 ppm	11.0752 ppm	0.9886 ppm	0.0180 ppm	0.2034 ppm	0.0024 ppm	6.8612 ppm
Concentration per Run	0.0005 ppm	11.0461 ppm	0.9897 ppm	0.0190 ppm	0.2029 ppm	0.0024 ppm	6.8400 ppm
Concentration per Run	0.0011 ppm	11.1078 ppm	0.9869 ppm	0.0189 ppm	0.2045 ppm	0.0023 ppm	6.8873 ppm
Concentration per Run	0.0008 ppm	11.0717 ppm	0.9892 ppm	0.0162 ppm	0.2027 ppm	0.0024 ppm	6.8562 ppm
Concentration RSD	36.8 %	0.3 %	0.2 %	8.8 %	0.5 %	1.7 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0010 ppm	0.1052 ppm	0.0259 ppm	0.0243 ppm	111.6447 ppm	1.0616 ppm	0.0092 ppm
Concentration per Run	0.0009 ppm	0.1056 ppm	0.0254 ppm	0.0241 ppm	111.4263 ppm	1.0755 ppm	0.0096 ppm
Concentration per Run	0.0011 ppm	0.1045 ppm	0.0261 ppm	0.0243 ppm	112.1601 ppm	1.0507 ppm	0.0101 ppm
Concentration per Run	0.0010 ppm	0.1054 ppm	0.0262 ppm	0.0245 ppm	111.3476 ppm	1.0587 ppm	0.0080 ppm
Concentration RSD	8.7 %	0.5 %	1.7 %	0.9 %	0.4 %	1.2 %	11.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	2.2100 ppm	0.3734 ppm	0.0072 ppm	0.3686 ppm	0.1148 ppm	0.0252 ppm	0.0004 ppm
Concentration per Run	2.2075 ppm	0.3731 ppm	0.0064 ppm	0.3609 ppm	0.1144 ppm	0.0263 ppm	-0.0002 ppm
Concentration per Run	2.2089 ppm	0.3738 ppm	0.0076 ppm	0.3809 ppm	0.1151 ppm	0.0248 ppm	-0.0017 ppm
Concentration per Run	2.2136 ppm	0.3732 ppm	0.0075 ppm	0.3639 ppm	0.1150 ppm	0.0245 ppm	0.0031 ppm
Concentration RSD	0.1 %	0.1 %	9.3 %	2.9 %	0.3 %	3.8 %	578.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0011 ppm	6.0204 ppm	0.0030 ppm	0.0442 ppm	0.2082 ppm	0.0028 ppm	0.0959 ppm
Concentration per Run	0.0001 ppm	6.0169 ppm	0.0022 ppm	0.0441 ppm	0.2077 ppm	0.0026 ppm	0.0959 ppm
Concentration per Run	0.0009 ppm	6.0019 ppm	0.0033 ppm	0.0444 ppm	0.2096 ppm	0.0025 ppm	0.0959 ppm
Concentration per Run	0.0022 ppm	6.0425 ppm	0.0035 ppm	0.0440 ppm	0.2074 ppm	0.0034 ppm	0.0960 ppm
Concentration RSD	97.7 %	0.3 %	23.9 %	0.5 %	0.6 %	16.7 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3297 ppm	105.1950 %	106.1557 %	101.2331 %	108.9354 %	110.7621 %	108.6464 %
Concentration per Run	0.3304 ppm	105.8097 %	106.4398 %	101.3992 %	109.7181 %	110.6853 %	108.8060 %
Concentration per Run	0.3288 ppm	105.8545 %	105.9471 %	100.9994 %	109.3563 %	111.1453 %	108.2693 %
Concentration per Run	0.3301 ppm	103.9207 %	106.0802 %	101.3008 %	107.7318 %	110.4558 %	108.8640 %
Concentration RSD	0.3 %	1.0 %	0.2 %	0.2 %	1.0 %	0.3 %	0.3 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2574361-12d2 WG2146097
Analysis started at: 11/26/2025 10:45:50 PM
Comment <Comment>
Rack Number 3
Vial Numbers 54

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0010 ppm	133.7019 ppm	0.0385 ppm	0.0195 ppm	0.9051 ppm	0.0066 ppm	9.5932 ppm
Concentration per Run	0.0012 ppm	132.5966 ppm	0.0400 ppm	0.0201 ppm	0.8978 ppm	0.0065 ppm	9.5088 ppm
Concentration per Run	0.0008 ppm	133.5829 ppm	0.0365 ppm	0.0182 ppm	0.9042 ppm	0.0065 ppm	9.5846 ppm
Concentration per Run	0.0009 ppm	134.9263 ppm	0.0391 ppm	0.0203 ppm	0.9133 ppm	0.0066 ppm	9.6861 ppm
Concentration RSD	23.7 %	0.9 %	4.6 %	5.7 %	0.9 %	1.0 %	0.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0018 ppm	0.0832 ppm	0.3395 ppm	0.4434 ppm	213.7655 ppm	7.4864 ppm	0.1566 ppm
Concentration per Run	0.0017 ppm	0.0835 ppm	0.3402 ppm	0.4442 ppm	211.9828 ppm	7.4534 ppm	0.1577 ppm
Concentration per Run	0.0019 ppm	0.0833 ppm	0.3400 ppm	0.4440 ppm	213.2668 ppm	7.4615 ppm	0.1550 ppm
Concentration per Run	0.0018 ppm	0.0828 ppm	0.3383 ppm	0.4419 ppm	216.0468 ppm	7.5444 ppm	0.1570 ppm
Concentration RSD	5.9 %	0.5 %	0.3 %	0.3 %	1.0 %	0.7 %	0.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	31.8678 ppm	1.7187 ppm	0.0020 ppm	0.8666 ppm	0.1457 ppm	7.1351 ppm	0.0102 ppm
Concentration per Run	31.7704 ppm	1.7145 ppm	0.0021 ppm	0.8592 ppm	0.1461 ppm	7.1450 ppm	0.0074 ppm
Concentration per Run	31.9943 ppm	1.7146 ppm	0.0020 ppm	0.8649 ppm	0.1454 ppm	7.1316 ppm	0.0130 ppm
Concentration per Run	31.8388 ppm	1.7270 ppm	0.0018 ppm	0.8756 ppm	0.1456 ppm	7.1288 ppm	0.0100 ppm
Concentration RSD	0.4 %	0.4 %	5.7 %	1.0 %	0.3 %	0.1 %	27.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0025 ppm	2.5933 ppm	0.0377 ppm	0.0961 ppm	2.7109 ppm	-0.0005 ppm	0.2701 ppm
Concentration per Run	0.0041 ppm	2.6067 ppm	0.0391 ppm	0.0955 ppm	2.7081 ppm	0.0014 ppm	0.2714 ppm
Concentration per Run	0.0014 ppm	2.5963 ppm	0.0365 ppm	0.0960 ppm	2.7128 ppm	0.0000 ppm	0.2702 ppm
Concentration per Run	0.0022 ppm	2.5769 ppm	0.0374 ppm	0.0969 ppm	2.7118 ppm	-0.0028 ppm	0.2687 ppm
Concentration RSD	54.5 %	0.6 %	3.6 %	0.8 %	0.1 %	453.3 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6699 ppm	104.6420 %	108.9621 %	98.8914 %	123.0531 %	129.8871 %	125.7628 %
Concentration per Run	0.6735 ppm	104.6105 %	109.6509 %	98.9711 %	122.9913 %	129.3684 %	125.7485 %
Concentration per Run	0.6697 ppm	104.1216 %	109.8074 %	98.6059 %	122.7657 %	130.9460 %	125.4283 %
Concentration per Run	0.6666 ppm	105.1940 %	107.4282 %	99.0973 %	123.4022 %	129.3470 %	126.1115 %
Concentration RSD	0.5 %	0.5 %	1.2 %	0.3 %	0.3 %	0.7 %	0.3 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2574361-13d2 WG2146097
Analysis started at: 11/26/2025 10:48:29 PM
Comment <Comment>
Rack Number 3
Vial Numbers 55

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0008 ppm	107.2543 ppm	0.0412 ppm	0.0187 ppm	0.8895 ppm	0.0078 ppm	9.5165 ppm
Concentration per Run	0.0013 ppm	107.5708 ppm	0.0421 ppm	0.0186 ppm	0.8937 ppm	0.0078 ppm	9.5478 ppm
Concentration per Run	0.0006 ppm	107.6229 ppm	0.0412 ppm	0.0183 ppm	0.8888 ppm	0.0077 ppm	9.5359 ppm
Concentration per Run	0.0006 ppm	106.5693 ppm	0.0403 ppm	0.0190 ppm	0.8858 ppm	0.0078 ppm	9.4657 ppm
Concentration RSD	47.4 %	0.6 %	2.2 %	2.0 %	0.5 %	1.0 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0019 ppm	0.1165 ppm	0.3005 ppm	0.1144 ppm	210.8519 ppm	8.7287 ppm	0.1669 ppm
Concentration per Run	0.0017 ppm	0.1164 ppm	0.3009 ppm	0.1145 ppm	211.3067 ppm	8.7227 ppm	0.1704 ppm
Concentration per Run	0.0021 ppm	0.1165 ppm	0.3000 ppm	0.1142 ppm	211.2194 ppm	8.7627 ppm	0.1633 ppm
Concentration per Run	0.0020 ppm	0.1166 ppm	0.3006 ppm	0.1144 ppm	210.0298 ppm	8.7006 ppm	0.1670 ppm
Concentration RSD	9.5 %	0.1 %	0.2 %	0.1 %	0.3 %	0.4 %	2.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	36.3211 ppm	2.0629 ppm	0.0011 ppm	0.9326 ppm	0.1892 ppm	4.7877 ppm	0.0057 ppm
Concentration per Run	36.2802 ppm	2.0755 ppm	0.0015 ppm	0.9359 ppm	0.1895 ppm	4.7832 ppm	0.0013 ppm
Concentration per Run	36.4465 ppm	2.0548 ppm	0.0009 ppm	0.9296 ppm	0.1885 ppm	4.7882 ppm	0.0081 ppm
Concentration per Run	36.2367 ppm	2.0583 ppm	0.0010 ppm	0.9322 ppm	0.1897 ppm	4.7916 ppm	0.0078 ppm
Concentration RSD	0.3 %	0.5 %	28.2 %	0.3 %	0.3 %	0.1 %	66.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0043 ppm	2.2484 ppm	0.0171 ppm	0.0933 ppm	3.0926 ppm	-0.0011 ppm	0.2684 ppm
Concentration per Run	0.0058 ppm	2.2345 ppm	0.0168 ppm	0.0934 ppm	3.0904 ppm	-0.0018 ppm	0.2682 ppm
Concentration per Run	0.0076 ppm	2.2521 ppm	0.0165 ppm	0.0933 ppm	3.0995 ppm	-0.0009 ppm	0.2682 ppm
Concentration per Run	-0.0005 ppm	2.2585 ppm	0.0180 ppm	0.0931 ppm	3.0880 ppm	-0.0007 ppm	0.2688 ppm
Concentration RSD	99.2 %	0.6 %	4.8 %	0.2 %	0.2 %	50.7 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6265 ppm	105.3331 %	108.6819 %	99.1217 %	124.6476 %	130.0854 %	126.3702 %
Concentration per Run	0.6290 ppm	105.2226 %	108.6898 %	99.5303 %	124.8689 %	130.5530 %	126.7930 %
Concentration per Run	0.6226 ppm	105.5446 %	108.3927 %	99.0784 %	124.9150 %	130.1901 %	126.1744 %
Concentration per Run	0.6278 ppm	105.2322 %	108.9633 %	98.7563 %	124.1590 %	129.5129 %	126.1431 %
Concentration RSD	0.5 %	0.2 %	0.3 %	0.4 %	0.3 %	0.4 %	0.3 %

ICP DataTrace 11

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LabBook: WG2146815_11262025T11.imexp

Sample: L2574361-14d2 WG2146097
Analysis started at: 11/26/2025 10:50:52 PM
Comment <Comment>
Rack Number 3
Vial Numbers 56

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0005 ppm	107.4644 ppm	0.0344 ppm	0.0234 ppm	0.8279 ppm	0.0065 ppm	11.0733 ppm
Concentration per Run	0.0008 ppm	107.5594 ppm	0.0341 ppm	0.0233 ppm	0.8261 ppm	0.0066 ppm	11.0766 ppm
Concentration per Run	0.0004 ppm	107.4056 ppm	0.0339 ppm	0.0236 ppm	0.8306 ppm	0.0064 ppm	11.0712 ppm
Concentration per Run	0.0002 ppm	107.4281 ppm	0.0351 ppm	0.0233 ppm	0.8272 ppm	0.0064 ppm	11.0722 ppm
Concentration RSD	61.4 %	0.1 %	2.0 %	0.8 %	0.3 %	1.3 %	0.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0014 ppm	0.0856 ppm	0.2943 ppm	0.0860 ppm	191.7385 ppm	10.6634 ppm	0.1663 ppm
Concentration per Run	0.0013 ppm	0.0850 ppm	0.2928 ppm	0.0858 ppm	191.8241 ppm	10.6300 ppm	0.1659 ppm
Concentration per Run	0.0013 ppm	0.0860 ppm	0.2966 ppm	0.0856 ppm	191.8579 ppm	10.7027 ppm	0.1669 ppm
Concentration per Run	0.0015 ppm	0.0857 ppm	0.2934 ppm	0.0867 ppm	191.5335 ppm	10.6574 ppm	0.1662 ppm
Concentration RSD	5.7 %	0.6 %	0.7 %	0.7 %	0.1 %	0.3 %	0.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	36.8855 ppm	2.1655 ppm	0.0010 ppm	0.9897 ppm	0.1770 ppm	0.5140 ppm	-0.0006 ppm
Concentration per Run	36.9673 ppm	2.1625 ppm	0.0015 ppm	0.9801 ppm	0.1756 ppm	0.5122 ppm	-0.0005 ppm
Concentration per Run	36.8482 ppm	2.1625 ppm	0.0007 ppm	0.9977 ppm	0.1780 ppm	0.5138 ppm	0.0016 ppm
Concentration per Run	36.8409 ppm	2.1715 ppm	0.0008 ppm	0.9913 ppm	0.1774 ppm	0.5161 ppm	-0.0029 ppm
Concentration RSD	0.2 %	0.2 %	42.0 %	0.9 %	0.7 %	0.4 %	381.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0007 ppm	2.0078 ppm	0.0123 ppm	0.0983 ppm	3.3125 ppm	-0.0015 ppm	0.2622 ppm
Concentration per Run	-0.0012 ppm	2.0044 ppm	0.0123 ppm	0.0981 ppm	3.3231 ppm	-0.0007 ppm	0.2605 ppm
Concentration per Run	-0.0004 ppm	2.0157 ppm	0.0135 ppm	0.0987 ppm	3.3132 ppm	-0.0012 ppm	0.2637 ppm
Concentration per Run	0.0036 ppm	2.0032 ppm	0.0111 ppm	0.0982 ppm	3.3011 ppm	-0.0026 ppm	0.2625 ppm
Concentration RSD	365.9 %	0.3 %	9.7 %	0.4 %	0.3 %	64.0 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5331 ppm	105.0506 %	109.0776 %	99.6487 %	123.5693 %	130.6511 %	126.0939 %
Concentration per Run	0.5295 ppm	105.5837 %	109.1202 %	99.2779 %	123.9244 %	130.8454 %	125.2766 %
Concentration per Run	0.5374 ppm	104.2915 %	109.4500 %	100.2487 %	122.9610 %	131.3147 %	127.1191 %
Concentration per Run	0.5325 ppm	105.2766 %	108.6625 %	99.4195 %	123.8226 %	129.7932 %	125.8860 %
Concentration RSD	0.8 %	0.6 %	0.4 %	0.5 %	0.4 %	0.6 %	0.7 %

ICP DataTrace 11

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LabBook: WG2146815_11262025T11.imexp

Sample: L2574361-15d2 WG2146097
Analysis started at: 11/26/2025 10:53:06 PM
Comment <Comment>
Rack Number 3
Vial Numbers 57

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0222 ppm	21.5785 ppm	0.3874 ppm	0.1219 ppm	0.4725 ppm	0.0020 ppm	12.9497 ppm
Concentration per Run	0.0226 ppm	21.6786 ppm	0.3861 ppm	0.1215 ppm	0.4739 ppm	0.0020 ppm	12.9782 ppm
Concentration per Run	0.0218 ppm	21.5633 ppm	0.3867 ppm	0.1223 ppm	0.4722 ppm	0.0020 ppm	12.8991 ppm
Concentration per Run	0.0222 ppm	21.4937 ppm	0.3894 ppm	0.1220 ppm	0.4715 ppm	0.0020 ppm	12.9719 ppm
Concentration RSD	1.8 %	0.4 %	0.5 %	0.4 %	0.3 %	1.1 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0133 ppm	0.0294 ppm	0.2058 ppm	0.3241 ppm	62.5976 ppm	2.7807 ppm	0.0325 ppm
Concentration per Run	0.0133 ppm	0.0293 ppm	0.2062 ppm	0.3243 ppm	62.7094 ppm	2.7855 ppm	0.0320 ppm
Concentration per Run	0.0133 ppm	0.0294 ppm	0.2061 ppm	0.3248 ppm	62.4788 ppm	2.7811 ppm	0.0326 ppm
Concentration per Run	0.0134 ppm	0.0295 ppm	0.2052 ppm	0.3233 ppm	62.6044 ppm	2.7755 ppm	0.0328 ppm
Concentration RSD	0.4 %	0.4 %	0.3 %	0.2 %	0.2 %	0.2 %	1.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	7.5828 ppm	0.9009 ppm	0.0143 ppm	1.4967 ppm	0.0995 ppm	495.5475 ppm	7.2956 ppm
Concentration per Run	7.5949 ppm	0.9032 ppm	0.0143 ppm	1.5062 ppm	0.0998 ppm	495.1405 ppm	7.2712 ppm
Concentration per Run	7.5787 ppm	0.8989 ppm	0.0149 ppm	1.4900 ppm	0.0999 ppm	496.3250 ppm	7.3376 ppm
Concentration per Run	7.5747 ppm	0.9007 ppm	0.0136 ppm	1.4939 ppm	0.0990 ppm	495.1771 ppm	7.2780 ppm
Concentration RSD	0.1 %	0.2 %	4.9 %	0.6 %	0.5 %	0.1 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0072 ppm	3.5178 ppm	0.3913 ppm	0.0899 ppm	0.8904 ppm	-0.0026 ppm	0.3979 ppm
Concentration per Run	0.0079 ppm	3.5205 ppm	0.3892 ppm	0.0900 ppm	0.8922 ppm	-0.0025 ppm	0.3965 ppm
Concentration per Run	0.0055 ppm	3.5424 ppm	0.3938 ppm	0.0896 ppm	0.8849 ppm	-0.0023 ppm	0.3994 ppm
Concentration per Run	0.0081 ppm	3.4903 ppm	0.3909 ppm	0.0899 ppm	0.8941 ppm	-0.0028 ppm	0.3979 ppm
Concentration RSD	20.8 %	0.7 %	0.6 %	0.2 %	0.5 %	9.7 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	4.7627 ppm	104.7178 %	106.5646 %	100.1818 %	105.8105 %	109.1188 %	105.0287 %
Concentration per Run	4.7598 ppm	105.1734 %	106.4947 %	100.2225 %	106.1222 %	109.4624 %	105.1681 %
Concentration per Run	4.7678 ppm	104.0725 %	106.6068 %	100.1250 %	105.2505 %	108.6961 %	105.1043 %
Concentration per Run	4.7605 ppm	104.9074 %	106.5925 %	100.1978 %	106.0589 %	109.1977 %	104.8135 %
Concentration RSD	0.1 %	0.5 %	0.1 %	0.1 %	0.5 %	0.4 %	0.2 %

ICP DataTrace 11

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LabBook: WG2146815_11262025T11.imexp

Sample: L2574361-16d2 WG2146097
Analysis started at: 11/26/2025 10:55:27 PM
Comment <Comment>
Rack Number 3
Vial Numbers 58

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0067 ppm	74.8318 ppm	0.2125 ppm	0.0203 ppm	1.2252 ppm	0.0074 ppm	10.1145 ppm
Concentration per Run	0.0071 ppm	74.7838 ppm	0.2096 ppm	0.0200 ppm	1.2228 ppm	0.0074 ppm	10.1056 ppm
Concentration per Run	0.0071 ppm	74.9624 ppm	0.2146 ppm	0.0206 ppm	1.2294 ppm	0.0074 ppm	10.1396 ppm
Concentration per Run	0.0059 ppm	74.7493 ppm	0.2133 ppm	0.0203 ppm	1.2234 ppm	0.0074 ppm	10.0983 ppm
Concentration RSD	10.2 %	0.2 %	1.2 %	1.4 %	0.3 %	0.5 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0167 ppm	0.0800 ppm	0.5930 ppm	0.5593 ppm	146.0836 ppm	5.8904 ppm	0.1072 ppm
Concentration per Run	0.0167 ppm	0.0798 ppm	0.5869 ppm	0.5550 ppm	145.6559 ppm	5.8894 ppm	0.1109 ppm
Concentration per Run	0.0166 ppm	0.0792 ppm	0.5923 ppm	0.5603 ppm	146.8994 ppm	5.9183 ppm	0.1052 ppm
Concentration per Run	0.0167 ppm	0.0810 ppm	0.5999 ppm	0.5625 ppm	145.6956 ppm	5.8635 ppm	0.1055 ppm
Concentration RSD	0.6 %	1.2 %	1.1 %	0.7 %	0.5 %	0.5 %	3.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	19.6172 ppm	1.3046 ppm	0.0053 ppm	0.8041 ppm	0.1502 ppm	6.0163 ppm	0.0278 ppm
Concentration per Run	19.5531 ppm	1.3029 ppm	0.0052 ppm	0.8048 ppm	0.1509 ppm	6.0146 ppm	0.0265 ppm
Concentration per Run	19.5949 ppm	1.3060 ppm	0.0058 ppm	0.8019 ppm	0.1491 ppm	6.0125 ppm	0.0255 ppm
Concentration per Run	19.7037 ppm	1.3051 ppm	0.0048 ppm	0.8055 ppm	0.1507 ppm	6.0219 ppm	0.0314 ppm
Concentration RSD	0.4 %	0.1 %	9.9 %	0.2 %	0.7 %	0.1 %	11.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0087 ppm	2.3755 ppm	0.0853 ppm	0.0949 ppm	1.5524 ppm	0.0011 ppm	0.1919 ppm
Concentration per Run	0.0118 ppm	2.3673 ppm	0.0844 ppm	0.0949 ppm	1.5552 ppm	0.0017 ppm	0.1901 ppm
Concentration per Run	0.0106 ppm	2.3745 ppm	0.0852 ppm	0.0952 ppm	1.5485 ppm	-0.0001 ppm	0.1914 ppm
Concentration per Run	0.0036 ppm	2.3847 ppm	0.0864 ppm	0.0948 ppm	1.5535 ppm	0.0017 ppm	0.1940 ppm
Concentration RSD	51.5 %	0.4 %	1.2 %	0.2 %	0.2 %	96.3 %	1.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	2.1336 ppm	105.0501 %	109.0948 %	100.5086 %	117.7400 %	124.2431 %	120.3016 %
Concentration per Run	2.1277 ppm	105.7649 %	109.2893 %	101.2038 %	118.0207 %	124.3896 %	121.4333 %
Concentration per Run	2.1259 ppm	105.3780 %	108.6839 %	99.9665 %	118.1523 %	124.0161 %	119.5099 %
Concentration per Run	2.1472 ppm	104.0073 %	109.3113 %	100.3555 %	117.0470 %	124.3235 %	119.9616 %
Concentration RSD	0.6 %	0.9 %	0.3 %	0.6 %	0.5 %	0.2 %	0.8 %

ICP DataTrace 11

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LabBook: WG2146815_11262025T11.imexp

Sample: L2574361-17d2 WG2146097
Analysis started at: 11/26/2025 10:57:58 PM
Comment <Comment>
Rack Number 3
Vial Numbers 59

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0004 ppm	114.1155 ppm	0.0321 ppm	0.0204 ppm	0.9098 ppm	0.0068 ppm	9.8437 ppm
Concentration per Run	0.0010 ppm	114.3870 ppm	0.0311 ppm	0.0207 ppm	0.9175 ppm	0.0069 ppm	9.8700 ppm
Concentration per Run	0.0009 ppm	113.9126 ppm	0.0324 ppm	0.0190 ppm	0.9036 ppm	0.0068 ppm	9.8098 ppm
Concentration per Run	-0.0006 ppm	114.0467 ppm	0.0327 ppm	0.0215 ppm	0.9082 ppm	0.0068 ppm	9.8515 ppm
Concentration RSD	201.5 %	0.2 %	2.7 %	6.3 %	0.8 %	0.6 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0012 ppm	0.1193 ppm	0.3066 ppm	0.0704 ppm	184.5624 ppm	8.6156 ppm	0.1673 ppm
Concentration per Run	0.0012 ppm	0.1186 ppm	0.3066 ppm	0.0699 ppm	185.1468 ppm	8.7001 ppm	0.1739 ppm
Concentration per Run	0.0011 ppm	0.1194 ppm	0.3063 ppm	0.0707 ppm	183.6956 ppm	8.5472 ppm	0.1621 ppm
Concentration per Run	0.0013 ppm	0.1199 ppm	0.3068 ppm	0.0704 ppm	184.8447 ppm	8.5996 ppm	0.1660 ppm
Concentration RSD	5.3 %	0.6 %	0.1 %	0.6 %	0.4 %	0.9 %	3.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	34.7170 ppm	1.8434 ppm	0.0011 ppm	0.8909 ppm	0.1763 ppm	0.4043 ppm	0.0005 ppm
Concentration per Run	34.7317 ppm	1.8509 ppm	0.0012 ppm	0.8946 ppm	0.1764 ppm	0.4052 ppm	-0.0009 ppm
Concentration per Run	34.7399 ppm	1.8370 ppm	0.0006 ppm	0.8851 ppm	0.1756 ppm	0.4034 ppm	0.0007 ppm
Concentration per Run	34.6796 ppm	1.8422 ppm	0.0014 ppm	0.8929 ppm	0.1770 ppm	0.4043 ppm	0.0016 ppm
Concentration RSD	0.1 %	0.4 %	39.5 %	0.6 %	0.4 %	0.2 %	277.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0019 ppm	1.7283 ppm	0.0100 ppm	0.1025 ppm	2.9875 ppm	-0.0009 ppm	0.2753 ppm
Concentration per Run	-0.0023 ppm	1.7120 ppm	0.0113 ppm	0.1035 ppm	2.9867 ppm	-0.0022 ppm	0.2738 ppm
Concentration per Run	0.0074 ppm	1.7430 ppm	0.0083 ppm	0.1016 ppm	2.9888 ppm	0.0002 ppm	0.2747 ppm
Concentration per Run	0.0006 ppm	1.7300 ppm	0.0102 ppm	0.1025 ppm	2.9870 ppm	-0.0008 ppm	0.2773 ppm
Concentration RSD	260.1 %	0.9 %	15.2 %	0.9 %	0.0 %	128.8 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5353 ppm	105.2705 %	108.5722 %	99.9017 %	120.8415 %	127.0918 %	123.7761 %
Concentration per Run	0.5344 ppm	105.4698 %	108.6414 %	99.5623 %	120.5768 %	127.7178 %	123.2411 %
Concentration per Run	0.5354 ppm	105.2627 %	108.3654 %	99.6054 %	120.7032 %	126.3764 %	123.8725 %
Concentration per Run	0.5361 ppm	105.0791 %	108.7098 %	100.5374 %	121.2445 %	127.1811 %	124.2147 %
Concentration RSD	0.2 %	0.2 %	0.2 %	0.6 %	0.3 %	0.5 %	0.4 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2574361-18d2 WG2146097
Analysis started at: 11/26/2025 11:00:15 PM
Comment <Comment>
Rack Number 3
Vial Numbers 60

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0101 ppm	20.3032 ppm	0.1193 ppm	0.0114 ppm	0.3667 ppm	0.0020 ppm	25.6630 ppm
Concentration per Run	0.0101 ppm	20.3700 ppm	0.1189 ppm	0.0119 ppm	0.3667 ppm	0.0020 ppm	25.7801 ppm
Concentration per Run	0.0096 ppm	20.2510 ppm	0.1202 ppm	0.0108 ppm	0.3632 ppm	0.0020 ppm	25.5151 ppm
Concentration per Run	0.0105 ppm	20.2887 ppm	0.1189 ppm	0.0114 ppm	0.3701 ppm	0.0020 ppm	25.6938 ppm
Concentration RSD	4.4 %	0.3 %	0.6 %	4.9 %	0.9 %	0.9 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0120 ppm	0.0352 ppm	0.2532 ppm	2.1172 ppm	217.9879 ppm	2.0134 ppm	0.0240 ppm
Concentration per Run	0.0120 ppm	0.0353 ppm	0.2523 ppm	2.1164 ppm	217.5973 ppm	2.0418 ppm	0.0241 ppm
Concentration per Run	0.0121 ppm	0.0350 ppm	0.2537 ppm	2.1176 ppm	216.7615 ppm	2.0008 ppm	0.0243 ppm
Concentration per Run	0.0119 ppm	0.0353 ppm	0.2536 ppm	2.1177 ppm	219.6050 ppm	1.9975 ppm	0.0236 ppm
Concentration RSD	0.9 %	0.5 %	0.3 %	0.0 %	0.7 %	1.2 %	1.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	4.9657 ppm	3.7133 ppm	0.0350 ppm	1.0936 ppm	0.1157 ppm	126.3066 ppm	0.4135 ppm
Concentration per Run	4.9741 ppm	3.7171 ppm	0.0348 ppm	1.0980 ppm	0.1155 ppm	126.1600 ppm	0.4136 ppm
Concentration per Run	4.9439 ppm	3.6990 ppm	0.0353 ppm	1.0888 ppm	0.1146 ppm	126.6855 ppm	0.4185 ppm
Concentration per Run	4.9790 ppm	3.7240 ppm	0.0349 ppm	1.0938 ppm	0.1170 ppm	126.0745 ppm	0.4084 ppm
Concentration RSD	0.4 %	0.3 %	0.7 %	0.4 %	1.0 %	0.3 %	1.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0094 ppm	3.2762 ppm	0.5221 ppm	0.0603 ppm	0.8891 ppm	-0.0015 ppm	0.2259 ppm
Concentration per Run	0.0078 ppm	3.2526 ppm	0.5214 ppm	0.0602 ppm	0.8930 ppm	-0.0016 ppm	0.2251 ppm
Concentration per Run	0.0133 ppm	3.2698 ppm	0.5170 ppm	0.0600 ppm	0.8834 ppm	-0.0005 ppm	0.2264 ppm
Concentration per Run	0.0071 ppm	3.3062 ppm	0.5278 ppm	0.0607 ppm	0.8910 ppm	-0.0024 ppm	0.2261 ppm
Concentration RSD	36.4 %	0.8 %	1.0 %	0.7 %	0.6 %	65.9 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	3.3074 ppm	104.0857 %	106.0686 %	98.4719 %	104.0670 %	107.5182 %	104.3700 %
Concentration per Run	3.2955 ppm	103.6391 %	105.9029 %	97.8740 %	102.9777 %	107.7398 %	103.7395 %
Concentration per Run	3.3073 ppm	105.0663 %	106.4619 %	98.9987 %	105.4155 %	107.3871 %	105.0836 %
Concentration per Run	3.3195 ppm	103.5518 %	105.8410 %	98.5429 %	103.8077 %	107.4276 %	104.2868 %
Concentration RSD	0.4 %	0.8 %	0.3 %	0.6 %	1.2 %	0.2 %	0.6 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2574361-19d2 WG2146097
Analysis started at: 11/26/2025 11:02:37 PM
Comment <Comment>
Rack Number 4
Vial Numbers 1

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0012 ppm	82.8551 ppm	0.1222 ppm	0.0618 ppm	0.1791 ppm	0.0043 ppm	5.3044 ppm
Concentration per Run	0.0010 ppm	82.5363 ppm	0.1239 ppm	0.0623 ppm	0.1790 ppm	0.0043 ppm	5.2880 ppm
Concentration per Run	0.0006 ppm	83.2721 ppm	0.1202 ppm	0.0620 ppm	0.1794 ppm	0.0043 ppm	5.3312 ppm
Concentration per Run	0.0020 ppm	82.7569 ppm	0.1227 ppm	0.0609 ppm	0.1790 ppm	0.0043 ppm	5.2940 ppm
Concentration RSD	57.7 %	0.5 %	1.5 %	1.2 %	0.1 %	0.3 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0015 ppm	0.0200 ppm	0.3467 ppm	0.0746 ppm	230.2697 ppm	17.1177 ppm	0.0489 ppm
Concentration per Run	0.0015 ppm	0.0201 ppm	0.3486 ppm	0.0740 ppm	229.7707 ppm	17.1006 ppm	0.0496 ppm
Concentration per Run	0.0015 ppm	0.0199 ppm	0.3469 ppm	0.0742 ppm	230.9247 ppm	17.1754 ppm	0.0478 ppm
Concentration per Run	0.0014 ppm	0.0198 ppm	0.3447 ppm	0.0755 ppm	230.1136 ppm	17.0771 ppm	0.0494 ppm
Concentration RSD	4.2 %	0.8 %	0.6 %	1.1 %	0.3 %	0.3 %	2.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	10.2630 ppm	0.5885 ppm	0.0050 ppm	0.6435 ppm	0.0413 ppm	4.2611 ppm	0.0072 ppm
Concentration per Run	10.2589 ppm	0.5870 ppm	0.0052 ppm	0.6433 ppm	0.0417 ppm	4.2540 ppm	0.0074 ppm
Concentration per Run	10.2804 ppm	0.5911 ppm	0.0046 ppm	0.6446 ppm	0.0411 ppm	4.2591 ppm	0.0063 ppm
Concentration per Run	10.2498 ppm	0.5874 ppm	0.0054 ppm	0.6427 ppm	0.0410 ppm	4.2703 ppm	0.0077 ppm
Concentration RSD	0.2 %	0.4 %	8.1 %	0.1 %	0.9 %	0.2 %	10.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0030 ppm	2.1130 ppm	0.0153 ppm	0.0541 ppm	1.0418 ppm	0.0010 ppm	0.8393 ppm
Concentration per Run	0.0045 ppm	2.1130 ppm	0.0147 ppm	0.0544 ppm	1.0430 ppm	0.0024 ppm	0.8427 ppm
Concentration per Run	0.0044 ppm	2.1102 ppm	0.0156 ppm	0.0542 ppm	1.0432 ppm	0.0008 ppm	0.8411 ppm
Concentration per Run	0.0001 ppm	2.1160 ppm	0.0157 ppm	0.0539 ppm	1.0392 ppm	-0.0002 ppm	0.8341 ppm
Concentration RSD	83.7 %	0.1 %	3.6 %	0.5 %	0.2 %	134.7 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3032 ppm	105.0545 %	108.2713 %	99.8122 %	104.9630 %	110.2929 %	107.4089 %
Concentration per Run	0.3033 ppm	105.3627 %	109.0222 %	100.0067 %	105.4690 %	110.8139 %	107.3524 %
Concentration per Run	0.3039 ppm	105.1618 %	107.4514 %	100.3844 %	104.9752 %	109.9620 %	108.2137 %
Concentration per Run	0.3023 ppm	104.6388 %	108.3403 %	99.0455 %	104.4449 %	110.1028 %	106.6606 %
Concentration RSD	0.3 %	0.4 %	0.7 %	0.7 %	0.5 %	0.4 %	0.7 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: CCV
Analysis started at: 11/26/2025 11:05:07 PM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4893 ppm	0.4721 ppm	0.4582 ppm	0.4813 ppm	0.4858 ppm	0.4943 ppm	0.4913 ppm
Concentration per Run	0.4898 ppm	0.4783 ppm	0.4593 ppm	0.4788 ppm	0.4862 ppm	0.4958 ppm	0.4909 ppm
Concentration per Run	0.4895 ppm	0.4761 ppm	0.4574 ppm	0.4833 ppm	0.4900 ppm	0.4982 ppm	0.4946 ppm
Concentration per Run	0.4886 ppm	0.4619 ppm	0.4579 ppm	0.4818 ppm	0.4811 ppm	0.4890 ppm	0.4883 ppm
Recovery Percentage	97.860 %	94.417 %	91.641 %	96.256 %	97.150 %	98.866 %	98.252 %
Concentration RSD	0.1 %	1.9 %	0.2 %	0.5 %	0.9 %	1.0 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4907 ppm	0.5004 ppm	0.4911 ppm	0.5001 ppm	0.4962 ppm	5.1525 ppm	0.4885 ppm
Concentration per Run	0.4903 ppm	0.4997 ppm	0.4903 ppm	0.5000 ppm	0.4979 ppm	5.1641 ppm	0.4864 ppm
Concentration per Run	0.4910 ppm	0.5019 ppm	0.4917 ppm	0.5010 ppm	0.5017 ppm	5.2062 ppm	0.4980 ppm
Concentration per Run	0.4907 ppm	0.4998 ppm	0.4912 ppm	0.4992 ppm	0.4891 ppm	5.0872 ppm	0.4813 ppm
Recovery Percentage	98.136 %	100.086 %	98.218 %	100.019 %	99.243 %	103.050 %	97.710 %
Concentration RSD	0.1 %	0.2 %	0.1 %	0.2 %	1.3 %	1.2 %	1.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4905 ppm	0.4990 ppm	0.4791 ppm	9.9683 ppm	0.5020 ppm	0.4900 ppm	0.4988 ppm
Concentration per Run	0.4903 ppm	0.5000 ppm	0.4793 ppm	9.9171 ppm	0.5032 ppm	0.4902 ppm	0.4996 ppm
Concentration per Run	0.4911 ppm	0.5033 ppm	0.4774 ppm	10.1158 ppm	0.5015 ppm	0.4899 ppm	0.4987 ppm
Concentration per Run	0.4902 ppm	0.4935 ppm	0.4806 ppm	9.8720 ppm	0.5015 ppm	0.4897 ppm	0.4981 ppm
Recovery Percentage	98.101 %	99.791 %	95.813 %	99.683 %	100.409 %	97.990 %	99.756 %
Concentration RSD	0.1 %	1.0 %	0.3 %	1.3 %	0.2 %	0.1 %	0.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4714 ppm	5.2556 ppm	0.4820 ppm	0.4826 ppm	0.4892 ppm	0.4986 ppm	0.4956 ppm
Concentration per Run	0.4762 ppm	5.2140 ppm	0.4815 ppm	0.4829 ppm	0.4891 ppm	0.5000 ppm	0.4955 ppm
Concentration per Run	0.4687 ppm	5.2704 ppm	0.4835 ppm	0.4877 ppm	0.4897 ppm	0.4987 ppm	0.4958 ppm
Concentration per Run	0.4692 ppm	5.2823 ppm	0.4809 ppm	0.4772 ppm	0.4889 ppm	0.4972 ppm	0.4955 ppm
Recovery Percentage	94.271 %	100.106 %	96.395 %	96.518 %	97.843 %	99.724 %	99.116 %
Concentration RSD	0.9 %	0.7 %	0.3 %	1.1 %	0.1 %	0.3 %	0.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4923 ppm	103.6467 %	103.5394 %	103.5335 %	101.0896 %	102.4053 %	102.1443 %
Concentration per Run	0.4911 ppm	103.6154 %	104.0518 %	102.8938 %	100.7927 %	103.2250 %	101.4719 %
Concentration per Run	0.4944 ppm	103.7696 %	103.1328 %	103.6732 %	101.4149 %	102.9114 %	102.3683 %
Concentration per Run	0.4915 ppm	103.5550 %	103.4337 %	104.0334 %	101.0613 %	101.0795 %	102.5926 %
Recovery Percentage	98.465 %						
Concentration RSD	0.4 %	0.1 %	0.5 %	0.6 %	0.3 %	1.1 %	0.6 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: x software malfunction
Analysis started at: 11/26/2025 11:07:36 PM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	N/A	-0.0023 ppm	0.0010 ppm	N/A	N/A	N/A
Concentration per Run	0.0004 ppm	N/A	-0.0023 ppm	0.0007 ppm	N/A	N/A	N/A
Concentration per Run	0.0001 ppm	N/A	N/A	0.0010 ppm	N/A	N/A	N/A
Concentration per Run	-0.0004 ppm	N/A	N/A	0.0013 ppm	N/A	N/A	N/A
Recovery Percentage	0.625 %	0.000 %	-46.683 %	3.409 %	0.000 %	0.000 %	0.000 %
Concentration RSD	857.0 %	N/A	N/A	30.9 %	N/A	N/A	N/A

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0003 ppm	-0.0001 ppm	0.0019 ppm	N/A	N/A	N/A
Concentration per Run	0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0020 ppm	N/A	N/A	N/A
Concentration per Run	0.0000 ppm	-0.0007 ppm	0.0001 ppm	0.0017 ppm	N/A	N/A	N/A
Concentration per Run	0.0001 ppm	0.0000 ppm	-0.0004 ppm	0.0020 ppm	N/A	N/A	N/A
Recovery Percentage	0.884 %	-1.516 %	-0.930 %	18.972 %	0.000 %	0.000 %	0.000 %
Concentration RSD	131.6 %	118.9 %	308.7 %	9.4 %	N/A	N/A	N/A

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0008 ppm	N/A	0.0006 ppm	N/A	0.0007 ppm	-0.0005 ppm	-0.0014 ppm
Concentration per Run	-0.0003 ppm	N/A	0.0008 ppm	N/A	0.0009 ppm	-0.0005 ppm	-0.0009 ppm
Concentration per Run	-0.0003 ppm	N/A	0.0006 ppm	N/A	0.0008 ppm	N/A	-0.0040 ppm
Concentration per Run	-0.0016 ppm	N/A	0.0004 ppm	N/A	0.0004 ppm	N/A	0.0008 ppm
Recovery Percentage	-0.768 %	0.000 %	1.220 %	0.000 %	2.809 %	-5.074 %	-2.721 %
Concentration RSD	95.1 %	N/A	29.5 %	N/A	42.9 %	N/A	181.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0001 ppm	0.0022 ppm	0.0004 ppm	N/A	0.0003 ppm	0.0018 ppm	0.0002 ppm
Concentration per Run	-0.0001 ppm	0.0048 ppm	0.0004 ppm	N/A	0.0002 ppm	0.0018 ppm	0.0001 ppm
Concentration per Run	N/A	-0.0002 ppm	-0.0001 ppm	N/A	0.0003 ppm	N/A	0.0003 ppm
Concentration per Run	N/A	0.0021 ppm	0.0011 ppm	N/A	0.0005 ppm	N/A	0.0001 ppm
Recovery Percentage	-1.079 %	0.439 %	0.888 %	0.000 %	3.163 %	8.783 %	1.711 %
Concentration RSD	N/A	113.7 %	130.0 %	N/A	46.5 %	N/A	54.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	102.1047 %	N/A	102.4655 %	102.0471 %	N/A	102.1589 %
Concentration per Run	0.0001 ppm	101.8295 %	N/A	102.4655 %	101.7199 %	N/A	102.1589 %
Concentration per Run	0.0001 ppm	103.3031 %	N/A	N/A	103.3507 %	N/A	N/A
Concentration per Run	0.0005 ppm	101.1814 %	N/A	N/A	101.0708 %	N/A	N/A
Recovery Percentage	4.524 %						
Concentration RSD	103.9 %	1.1 %	N/A	N/A	1.2 %	N/A	N/A

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: CCV
Analysis started at: 11/26/2025 11:33:57 PM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4863 ppm	0.4713 ppm	0.4582 ppm	0.4829 ppm	0.4856 ppm	0.4921 ppm	0.4868 ppm
Concentration per Run	0.4855 ppm	0.4741 ppm	0.4570 ppm	0.4791 ppm	0.4847 ppm	0.4919 ppm	0.4939 ppm
Concentration per Run	0.4862 ppm	0.4738 ppm	0.4578 ppm	0.4827 ppm	0.4880 ppm	0.4923 ppm	0.4873 ppm
Concentration per Run	0.4872 ppm	0.4662 ppm	0.4599 ppm	0.4869 ppm	0.4841 ppm	0.4919 ppm	0.4792 ppm
Recovery Percentage	97.263 %	94.269 %	91.645 %	96.578 %	97.124 %	98.412 %	97.355 %
Concentration RSD	0.2 %	0.9 %	0.3 %	0.8 %	0.4 %	0.0 %	1.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4916 ppm	0.4998 ppm	0.4907 ppm	0.4982 ppm	0.4883 ppm	5.0998 ppm	0.4879 ppm
Concentration per Run	0.4891 ppm	0.4990 ppm	0.4886 ppm	0.4967 ppm	0.4882 ppm	5.1114 ppm	0.4778 ppm
Concentration per Run	0.4923 ppm	0.4987 ppm	0.4910 ppm	0.4976 ppm	0.4891 ppm	5.1300 ppm	0.4941 ppm
Concentration per Run	0.4933 ppm	0.5015 ppm	0.4924 ppm	0.5005 ppm	0.4875 ppm	5.0581 ppm	0.4918 ppm
Recovery Percentage	98.311 %	99.952 %	98.133 %	99.646 %	97.658 %	101.997 %	97.584 %
Concentration RSD	0.5 %	0.3 %	0.4 %	0.4 %	0.2 %	0.7 %	1.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4883 ppm	0.4962 ppm	0.4796 ppm	9.8811 ppm	0.5028 ppm	0.4896 ppm	0.4964 ppm
Concentration per Run	0.4900 ppm	0.4969 ppm	0.4769 ppm	9.8549 ppm	0.5019 ppm	0.4896 ppm	0.4932 ppm
Concentration per Run	0.4890 ppm	0.4967 ppm	0.4797 ppm	9.9865 ppm	0.5017 ppm	0.4886 ppm	0.5001 ppm
Concentration per Run	0.4858 ppm	0.4949 ppm	0.4822 ppm	9.8019 ppm	0.5049 ppm	0.4905 ppm	0.4958 ppm
Recovery Percentage	97.651 %	99.239 %	95.923 %	98.811 %	100.563 %	97.917 %	99.272 %
Concentration RSD	0.5 %	0.2 %	0.6 %	1.0 %	0.4 %	0.2 %	0.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4719 ppm	5.2062 ppm	0.4815 ppm	0.4785 ppm	0.4881 ppm	0.4968 ppm	0.4939 ppm
Concentration per Run	0.4725 ppm	5.1770 ppm	0.4766 ppm	0.4765 ppm	0.4886 ppm	0.4958 ppm	0.4928 ppm
Concentration per Run	0.4723 ppm	5.1981 ppm	0.4831 ppm	0.4813 ppm	0.4888 ppm	0.4960 ppm	0.4926 ppm
Concentration per Run	0.4709 ppm	5.2437 ppm	0.4849 ppm	0.4776 ppm	0.4868 ppm	0.4986 ppm	0.4962 ppm
Recovery Percentage	94.384 %	99.167 %	96.306 %	95.697 %	97.613 %	99.361 %	98.775 %
Concentration RSD	0.2 %	0.7 %	0.9 %	0.5 %	0.2 %	0.3 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4948 ppm	103.7773 %	104.4556 %	104.1365 %	101.2089 %	102.9980 %	102.5526 %
Concentration per Run	0.4924 ppm	104.0488 %	104.2066 %	103.8163 %	101.8586 %	102.7148 %	102.4584 %
Concentration per Run	0.4946 ppm	103.6712 %	104.5457 %	104.8354 %	100.3205 %	103.7109 %	103.0126 %
Concentration per Run	0.4973 ppm	103.6119 %	104.6144 %	103.7576 %	101.4476 %	102.5684 %	102.1868 %
Recovery Percentage	98.955 %						
Concentration RSD	0.5 %	0.2 %	0.2 %	0.6 %	0.8 %	0.6 %	0.4 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: CCB
Analysis started at: 11/26/2025 11:36:09 PM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0003 ppm	0.0040 ppm	-0.0017 ppm	0.0011 ppm	-0.0001 ppm	0.0001 ppm	0.0017 ppm
Concentration per Run	-0.0005 ppm	-0.0033 ppm	-0.0026 ppm	0.0012 ppm	-0.0001 ppm	0.0001 ppm	0.0020 ppm
Concentration per Run	-0.0002 ppm	0.0078 ppm	-0.0023 ppm	0.0016 ppm	-0.0001 ppm	0.0001 ppm	0.0026 ppm
Concentration per Run	-0.0003 ppm	0.0075 ppm	-0.0001 ppm	0.0004 ppm	-0.0001 ppm	0.0000 ppm	0.0005 ppm
Recovery Percentage	-4.714 %	4.010 %	-33.608 %	3.576 %	-1.085 %	1.983 %	1.712 %
Concentration RSD	51.9 %	158.4 %	81.0 %	56.5 %	21.0 %	51.7 %	62.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	-0.0003 ppm	-0.0003 ppm	0.0000 ppm	0.0017 ppm	0.0120 ppm	-0.0009 ppm
Concentration per Run	0.0003 ppm	-0.0001 ppm	-0.0003 ppm	-0.0003 ppm	0.0017 ppm	0.0204 ppm	0.0003 ppm
Concentration per Run	0.0002 ppm	-0.0006 ppm	-0.0007 ppm	0.0003 ppm	0.0003 ppm	0.0009 ppm	-0.0017 ppm
Concentration per Run	0.0000 ppm	-0.0002 ppm	-0.0001 ppm	0.0001 ppm	0.0030 ppm	0.0147 ppm	-0.0014 ppm
Recovery Percentage	3.101 %	-1.413 %	-3.462 %	0.279 %	3.330 %	0.480 %	-18.417 %
Concentration RSD	81.3 %	88.6 %	88.2 %	973.9 %	82.8 %	83.4 %	117.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0005 ppm	0.0000 ppm	0.0004 ppm	-0.0001 ppm	0.0000 ppm	-0.0012 ppm	-0.0018 ppm
Concentration per Run	-0.0009 ppm	-0.0002 ppm	0.0005 ppm	-0.0018 ppm	0.0004 ppm	-0.0017 ppm	-0.0027 ppm
Concentration per Run	0.0010 ppm	0.0001 ppm	0.0001 ppm	0.0024 ppm	-0.0004 ppm	-0.0009 ppm	-0.0007 ppm
Concentration per Run	0.0013 ppm	0.0000 ppm	0.0007 ppm	-0.0007 ppm	0.0001 ppm	-0.0011 ppm	-0.0020 ppm
Recovery Percentage	0.489 %	-0.245 %	0.846 %	-0.003 %	0.175 %	-12.277 %	-3.536 %
Concentration RSD	239.9 %	544.3 %	70.9 %	3,329.2 %	970.8 %	34.2 %	57.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0045 ppm	-0.0014 ppm	-0.0008 ppm	0.0000 ppm	0.0001 ppm	0.0015 ppm	0.0002 ppm
Concentration per Run	0.0044 ppm	-0.0021 ppm	-0.0008 ppm	0.0000 ppm	0.0001 ppm	0.0006 ppm	0.0003 ppm
Concentration per Run	0.0050 ppm	-0.0005 ppm	-0.0008 ppm	0.0000 ppm	0.0000 ppm	0.0026 ppm	0.0000 ppm
Concentration per Run	0.0040 ppm	-0.0017 ppm	-0.0006 ppm	0.0001 ppm	0.0001 ppm	0.0013 ppm	0.0002 ppm
Recovery Percentage	44.758 %	-0.289 %	-1.521 %	0.259 %	0.768 %	7.385 %	1.895 %
Concentration RSD	12.0 %	57.1 %	14.6 %	250.0 %	136.4 %	67.0 %	67.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0001 ppm	101.3846 %	101.6771 %	102.8256 %	101.3421 %	102.3365 %	101.8877 %
Concentration per Run	0.0004 ppm	101.2704 %	101.0374 %	103.0254 %	101.0866 %	101.5712 %	102.2470 %
Concentration per Run	0.0001 ppm	101.2625 %	101.8966 %	102.9589 %	101.3989 %	102.5625 %	101.8977 %
Concentration per Run	-0.0001 ppm	101.6209 %	102.0974 %	102.4925 %	101.5408 %	102.8758 %	101.5184 %
Recovery Percentage	2.136 %						
Concentration RSD	243.5 %	0.2 %	0.6 %	0.3 %	0.2 %	0.7 %	0.4 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: LDR 500 Pb Pass
Analysis started at: 11/26/2025 11:38:29 PM
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Rack Number 4
Vial Numbers 8

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	0.0114 ppm	0.0000 ppm	-0.0045 ppm	0.0030 ppm	0.0001 ppm	0.0060 ppm
Concentration per Run	-0.0001 ppm	0.0149 ppm	0.0004 ppm	-0.0055 ppm	0.0031 ppm	0.0001 ppm	0.0035 ppm
Concentration per Run	0.0003 ppm	0.0087 ppm	-0.0003 ppm	-0.0041 ppm	0.0029 ppm	0.0001 ppm	0.0049 ppm
Concentration per Run	-0.0007 ppm	0.0105 ppm	-0.0002 ppm	-0.0039 ppm	0.0030 ppm	0.0001 ppm	0.0097 ppm
Concentration RSD	328.9 %	28.1 %	1,293.9 %	18.9 %	3.1 %	5.1 %	53.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0007 ppm	-0.0001 ppm	0.0000 ppm	0.0006 ppm	0.0069 ppm	0.0127 ppm	-0.0001 ppm
Concentration per Run	0.0008 ppm	-0.0002 ppm	-0.0006 ppm	0.0007 ppm	0.0065 ppm	0.0081 ppm	0.0001 ppm
Concentration per Run	0.0007 ppm	-0.0002 ppm	0.0004 ppm	0.0005 ppm	0.0063 ppm	0.0226 ppm	-0.0001 ppm
Concentration per Run	0.0007 ppm	0.0000 ppm	0.0001 ppm	0.0006 ppm	0.0079 ppm	0.0075 ppm	-0.0004 ppm
Concentration RSD	5.9 %	95.9 %	4,188.7 %	23.8 %	13.0 %	67.3 %	162.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0020 ppm	0.0005 ppm	0.0003 ppm	0.0281 ppm	0.0014 ppm	453.9174 ppm	0.0010 ppm
Concentration per Run	0.0027 ppm	0.0008 ppm	0.0001 ppm	0.0296 ppm	0.0015 ppm	453.1583 ppm	0.0013 ppm
Concentration per Run	0.0001 ppm	0.0005 ppm	0.0006 ppm	0.0266 ppm	0.0014 ppm	453.7390 ppm	-0.0001 ppm
Concentration per Run	0.0031 ppm	0.0003 ppm	0.0002 ppm	0.0280 ppm	0.0014 ppm	454.8550 ppm	0.0018 ppm
Concentration RSD	84.6 %	42.0 %	85.7 %	5.3 %	3.9 %	0.2 %	99.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0034 ppm	-0.0004 ppm	0.0000 ppm	0.0016 ppm	0.0004 ppm	-0.0017 ppm	0.0012 ppm
Concentration per Run	0.0048 ppm	0.0000 ppm	-0.0003 ppm	0.0016 ppm	0.0005 ppm	-0.0010 ppm	0.0011 ppm
Concentration per Run	0.0058 ppm	-0.0019 ppm	0.0001 ppm	0.0016 ppm	0.0003 ppm	0.0007 ppm	0.0015 ppm
Concentration per Run	-0.0003 ppm	0.0007 ppm	0.0001 ppm	0.0016 ppm	0.0004 ppm	-0.0047 ppm	0.0010 ppm
Concentration RSD	94.7 %	358.7 %	938.2 %	1.2 %	32.5 %	165.1 %	20.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0094 ppm	103.8121 %	103.8369 %	103.6706 %	101.6718 %	102.2337 %	101.3566 %
Concentration per Run	0.0097 ppm	104.6823 %	103.8004 %	103.7888 %	102.8157 %	102.0140 %	101.6310 %
Concentration per Run	0.0094 ppm	103.0632 %	103.6400 %	103.3931 %	100.9563 %	102.2237 %	100.8009 %
Concentration per Run	0.0093 ppm	103.6909 %	104.0705 %	103.8297 %	101.2433 %	102.4635 %	101.6378 %
Concentration RSD	2.2 %	0.8 %	0.2 %	0.2 %	1.0 %	0.2 %	0.5 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2574361-20d2 WG2146097
Analysis started at: 11/26/2025 11:42:30 PM
Comment <Comment>
Rack Number 4
Vial Numbers 2

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	99.4653 ppm	0.0387 ppm	0.0271 ppm	0.7936 ppm	0.0067 ppm	13.6397 ppm
Concentration per Run	0.0000 ppm	99.2672 ppm	0.0378 ppm	0.0279 ppm	0.7951 ppm	0.0067 ppm	13.6061 ppm
Concentration per Run	0.0002 ppm	99.3149 ppm	0.0356 ppm	0.0260 ppm	0.7930 ppm	0.0066 ppm	13.6193 ppm
Concentration per Run	-0.0004 ppm	99.8139 ppm	0.0428 ppm	0.0274 ppm	0.7929 ppm	0.0067 ppm	13.6938 ppm
Concentration RSD	417.2 %	0.3 %	9.5 %	3.6 %	0.2 %	0.3 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0017 ppm	0.0520 ppm	0.2666 ppm	0.0722 ppm	134.2888 ppm	8.8737 ppm	0.1453 ppm
Concentration per Run	0.0017 ppm	0.0513 ppm	0.2639 ppm	0.0721 ppm	134.1524 ppm	8.9129 ppm	0.1471 ppm
Concentration per Run	0.0017 ppm	0.0531 ppm	0.2680 ppm	0.0726 ppm	134.1116 ppm	8.8222 ppm	0.1456 ppm
Concentration per Run	0.0017 ppm	0.0517 ppm	0.2680 ppm	0.0720 ppm	134.6024 ppm	8.8860 ppm	0.1433 ppm
Concentration RSD	1.4 %	1.8 %	0.9 %	0.5 %	0.2 %	0.5 %	1.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	29.2324 ppm	1.4445 ppm	0.0018 ppm	1.1474 ppm	0.1548 ppm	0.1501 ppm	0.0012 ppm
Concentration per Run	29.0447 ppm	1.4452 ppm	0.0020 ppm	1.1379 ppm	0.1535 ppm	0.1509 ppm	-0.0020 ppm
Concentration per Run	29.2570 ppm	1.4420 ppm	0.0018 ppm	1.1476 ppm	0.1561 ppm	0.1497 ppm	0.0028 ppm
Concentration per Run	29.3954 ppm	1.4462 ppm	0.0015 ppm	1.1567 ppm	0.1550 ppm	0.1498 ppm	0.0027 ppm
Concentration RSD	0.6 %	0.2 %	15.7 %	0.8 %	0.8 %	0.4 %	233.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0055 ppm	5.1906 ppm	0.0090 ppm	0.1146 ppm	3.0710 ppm	-0.0012 ppm	0.2607 ppm
Concentration per Run	0.0100 ppm	5.1784 ppm	0.0094 ppm	0.1147 ppm	3.0500 ppm	-0.0007 ppm	0.2595 ppm
Concentration per Run	0.0017 ppm	5.2251 ppm	0.0091 ppm	0.1146 ppm	3.0756 ppm	-0.0010 ppm	0.2618 ppm
Concentration per Run	0.0046 ppm	5.1684 ppm	0.0084 ppm	0.1147 ppm	3.0875 ppm	-0.0019 ppm	0.2607 ppm
Concentration RSD	78.0 %	0.6 %	6.0 %	0.1 %	0.6 %	53.8 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4518 ppm	106.3244 %	110.7246 %	101.4105 %	124.8139 %	132.8520 %	127.0010 %
Concentration per Run	0.4469 ppm	106.7287 %	111.3277 %	101.0994 %	124.9017 %	133.3213 %	126.3820 %
Concentration per Run	0.4548 ppm	106.1064 %	110.6470 %	101.6192 %	124.8704 %	132.7018 %	127.5542 %
Concentration per Run	0.4537 ppm	106.1380 %	110.1992 %	101.5129 %	124.6695 %	132.5330 %	127.0668 %
Concentration RSD	0.9 %	0.3 %	0.5 %	0.3 %	0.1 %	0.3 %	0.5 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2574361-21d10 WG2146097
Analysis started at: 11/26/2025 11:44:46 PM
Comment <Comment>
Rack Number 4
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0032 ppm	6.5829 ppm	0.0145 ppm	0.0111 ppm	0.1790 ppm	0.0008 ppm	8.5092 ppm
Concentration per Run	0.0024 ppm	6.5820 ppm	0.0133 ppm	0.0115 ppm	0.1783 ppm	0.0008 ppm	8.5223 ppm
Concentration per Run	0.0037 ppm	6.5159 ppm	0.0150 ppm	0.0112 ppm	0.1777 ppm	0.0008 ppm	8.4147 ppm
Concentration per Run	0.0034 ppm	6.6507 ppm	0.0151 ppm	0.0106 ppm	0.1811 ppm	0.0008 ppm	8.5905 ppm
Concentration RSD	21.5 %	1.0 %	7.1 %	4.1 %	1.0 %	1.7 %	1.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0095 ppm	0.0184 ppm	0.0764 ppm	0.4603 ppm	260.1257 ppm	0.7055 ppm	0.0038 ppm
Concentration per Run	0.0096 ppm	0.0181 ppm	0.0763 ppm	0.4622 ppm	259.3770 ppm	0.7248 ppm	0.0035 ppm
Concentration per Run	0.0096 ppm	0.0188 ppm	0.0769 ppm	0.4595 ppm	258.0962 ppm	0.6811 ppm	0.0031 ppm
Concentration per Run	0.0094 ppm	0.0183 ppm	0.0761 ppm	0.4593 ppm	262.9040 ppm	0.7107 ppm	0.0048 ppm
Concentration RSD	0.8 %	2.0 %	0.5 %	0.4 %	1.0 %	3.2 %	23.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	1.6952 ppm	1.1408 ppm	0.0072 ppm	0.2555 ppm	0.0745 ppm	4.7693 ppm	0.0277 ppm
Concentration per Run	1.6934 ppm	1.1401 ppm	0.0072 ppm	0.2524 ppm	0.0755 ppm	4.7719 ppm	0.0269 ppm
Concentration per Run	1.6987 ppm	1.1306 ppm	0.0076 ppm	0.2478 ppm	0.0740 ppm	4.7693 ppm	0.0290 ppm
Concentration per Run	1.6933 ppm	1.1516 ppm	0.0068 ppm	0.2663 ppm	0.0739 ppm	4.7666 ppm	0.0271 ppm
Concentration RSD	0.2 %	0.9 %	5.0 %	3.8 %	1.2 %	0.1 %	4.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0014 ppm	1.4541 ppm	0.8768 ppm	0.0551 ppm	0.0787 ppm	0.0008 ppm	0.0268 ppm
Concentration per Run	-0.0031 ppm	1.4612 ppm	0.8788 ppm	0.0550 ppm	0.0810 ppm	0.0003 ppm	0.0272 ppm
Concentration per Run	-0.0032 ppm	1.4546 ppm	0.8771 ppm	0.0546 ppm	0.0759 ppm	0.0011 ppm	0.0267 ppm
Concentration per Run	0.0019 ppm	1.4464 ppm	0.8745 ppm	0.0557 ppm	0.0790 ppm	0.0009 ppm	0.0265 ppm
Concentration RSD	202.9 %	0.5 %	0.2 %	1.0 %	3.3 %	52.1 %	1.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.6004 ppm	103.0646 %	104.4051 %	99.3002 %	101.9477 %	104.1244 %	103.3057 %
Concentration per Run	1.6081 ppm	102.8111 %	104.4337 %	99.2078 %	102.2180 %	104.0998 %	103.3841 %
Concentration per Run	1.6041 ppm	103.2972 %	105.4663 %	99.2344 %	101.9377 %	104.1243 %	103.0668 %
Concentration per Run	1.5891 ppm	103.0855 %	103.3153 %	99.4583 %	101.6872 %	104.1491 %	103.4663 %
Concentration RSD	0.6 %	0.2 %	1.0 %	0.1 %	0.3 %	0.0 %	0.2 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2574361-22d2 WG2146097
Analysis started at: 11/26/2025 11:46:58 PM
Comment <Comment>
Rack Number 4
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0006 ppm	64.5624 ppm	0.1336 ppm	0.0518 ppm	0.1985 ppm	0.0044 ppm	13.9406 ppm
Concentration per Run	0.0004 ppm	65.1766 ppm	0.1335 ppm	0.0515 ppm	0.2010 ppm	0.0044 ppm	14.1034 ppm
Concentration per Run	0.0007 ppm	64.2392 ppm	0.1339 ppm	0.0534 ppm	0.1970 ppm	0.0044 ppm	13.8470 ppm
Concentration per Run	0.0006 ppm	64.2714 ppm	0.1333 ppm	0.0504 ppm	0.1976 ppm	0.0044 ppm	13.8714 ppm
Concentration RSD	28.2 %	0.8 %	0.2 %	2.9 %	1.1 %	0.9 %	1.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0012 ppm	0.0164 ppm	0.2232 ppm	0.0499 ppm	219.1786 ppm	12.3808 ppm	0.0553 ppm
Concentration per Run	0.0012 ppm	0.0168 ppm	0.2228 ppm	0.0508 ppm	221.8109 ppm	12.5371 ppm	0.0576 ppm
Concentration per Run	0.0011 ppm	0.0163 ppm	0.2243 ppm	0.0491 ppm	217.8676 ppm	12.2907 ppm	0.0553 ppm
Concentration per Run	0.0011 ppm	0.0160 ppm	0.2226 ppm	0.0498 ppm	217.8573 ppm	12.3146 ppm	0.0529 ppm
Concentration RSD	2.6 %	2.3 %	0.4 %	1.7 %	1.0 %	1.1 %	4.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	7.3799 ppm	0.4926 ppm	0.0030 ppm	0.4407 ppm	0.0363 ppm	0.6910 ppm	0.0021 ppm
Concentration per Run	7.3517 ppm	0.4992 ppm	0.0026 ppm	0.4463 ppm	0.0365 ppm	0.6916 ppm	0.0023 ppm
Concentration per Run	7.4167 ppm	0.4881 ppm	0.0030 ppm	0.4402 ppm	0.0365 ppm	0.6897 ppm	0.0018 ppm
Concentration per Run	7.3711 ppm	0.4905 ppm	0.0034 ppm	0.4355 ppm	0.0360 ppm	0.6916 ppm	0.0021 ppm
Concentration RSD	0.5 %	1.2 %	12.5 %	1.2 %	0.9 %	0.2 %	12.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0040 ppm	2.4788 ppm	0.0574 ppm	0.1320 ppm	0.9314 ppm	-0.0008 ppm	0.6181 ppm
Concentration per Run	0.0010 ppm	2.4656 ppm	0.0567 ppm	0.1340 ppm	0.9257 ppm	-0.0020 ppm	0.6150 ppm
Concentration per Run	0.0058 ppm	2.4908 ppm	0.0597 ppm	0.1310 ppm	0.9363 ppm	-0.0001 ppm	0.6210 ppm
Concentration per Run	0.0054 ppm	2.4801 ppm	0.0559 ppm	0.1311 ppm	0.9322 ppm	-0.0002 ppm	0.6184 ppm
Concentration RSD	66.0 %	0.5 %	3.5 %	1.3 %	0.6 %	136.9 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2260 ppm	104.6557 %	105.8249 %	99.0589 %	111.1165 %	115.7537 %	113.0344 %
Concentration per Run	0.2250 ppm	104.8269 %	105.5243 %	98.8696 %	111.3893 %	116.9311 %	112.8660 %
Concentration per Run	0.2266 ppm	104.4969 %	105.6389 %	99.4187 %	110.9010 %	114.7174 %	113.3000 %
Concentration per Run	0.2264 ppm	104.6432 %	106.3114 %	98.8885 %	111.0593 %	115.6126 %	112.9373 %
Concentration RSD	0.4 %	0.2 %	0.4 %	0.3 %	0.2 %	1.0 %	0.2 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: L2574361-23d2 WG2146097
Analysis started at: 11/26/2025 11:49:10 PM
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Rack Number 4
Vial Numbers 5

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0008 ppm	70.1261 ppm	0.1342 ppm	0.0756 ppm	0.2150 ppm	0.0055 ppm	13.3815 ppm
Concentration per Run	0.0006 ppm	69.8722 ppm	0.1356 ppm	0.0748 ppm	0.2133 ppm	0.0054 ppm	13.3065 ppm
Concentration per Run	0.0005 ppm	70.3247 ppm	0.1334 ppm	0.0763 ppm	0.2154 ppm	0.0055 ppm	13.4107 ppm
Concentration per Run	0.0012 ppm	70.1814 ppm	0.1336 ppm	0.0756 ppm	0.2162 ppm	0.0055 ppm	13.4274 ppm
Concentration RSD	51.0 %	0.3 %	0.9 %	1.0 %	0.7 %	1.3 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0008 ppm	0.0167 ppm	0.2101 ppm	0.0445 ppm	210.0973 ppm	17.1437 ppm	0.0571 ppm
Concentration per Run	0.0010 ppm	0.0164 ppm	0.2081 ppm	0.0450 ppm	208.5770 ppm	16.9961 ppm	0.0574 ppm
Concentration per Run	0.0008 ppm	0.0169 ppm	0.2102 ppm	0.0449 ppm	210.5004 ppm	17.1718 ppm	0.0565 ppm
Concentration per Run	0.0006 ppm	0.0166 ppm	0.2120 ppm	0.0437 ppm	211.2145 ppm	17.2632 ppm	0.0576 ppm
Concentration RSD	20.0 %	1.5 %	0.9 %	1.6 %	0.6 %	0.8 %	1.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	8.8509 ppm	0.3964 ppm	0.0023 ppm	0.4784 ppm	0.0346 ppm	0.1316 ppm	-0.0007 ppm
Concentration per Run	8.8232 ppm	0.3952 ppm	0.0025 ppm	0.4764 ppm	0.0340 ppm	0.1303 ppm	0.0025 ppm
Concentration per Run	8.9046 ppm	0.3967 ppm	0.0021 ppm	0.4829 ppm	0.0353 ppm	0.1317 ppm	-0.0026 ppm
Concentration per Run	8.8248 ppm	0.3972 ppm	0.0024 ppm	0.4760 ppm	0.0345 ppm	0.1327 ppm	-0.0019 ppm
Concentration RSD	0.5 %	0.3 %	9.8 %	0.8 %	1.8 %	0.9 %	395.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0032 ppm	2.6286 ppm	0.0085 ppm	0.1646 ppm	0.9055 ppm	0.0002 ppm	0.6464 ppm
Concentration per Run	0.0046 ppm	2.6290 ppm	0.0078 ppm	0.1631 ppm	0.9003 ppm	0.0001 ppm	0.6454 ppm
Concentration per Run	0.0028 ppm	2.6292 ppm	0.0087 ppm	0.1650 ppm	0.9081 ppm	-0.0003 ppm	0.6483 ppm
Concentration per Run	0.0022 ppm	2.6274 ppm	0.0089 ppm	0.1657 ppm	0.9080 ppm	0.0007 ppm	0.6455 ppm
Concentration RSD	39.5 %	0.0 %	6.6 %	0.8 %	0.5 %	259.4 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1881 ppm	105.9158 %	107.7246 %	99.2168 %	112.3682 %	116.6484 %	113.2690 %
Concentration per Run	0.1866 ppm	105.6607 %	108.1541 %	99.2584 %	111.9726 %	116.4059 %	113.4638 %
Concentration per Run	0.1886 ppm	105.9951 %	107.5821 %	99.5249 %	112.8348 %	116.9923 %	113.4637 %
Concentration per Run	0.1891 ppm	106.0915 %	107.4377 %	98.8671 %	112.2971 %	116.5469 %	112.8794 %
Concentration RSD	0.7 %	0.2 %	0.4 %	0.3 %	0.4 %	0.3 %	0.3 %

ICP DataTrace 11

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LabBook: WG2146815_11262025T11.imexp

Sample: L2574898-15d2 WG2146097
Analysis started at: 11/26/2025 11:51:21 PM
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Rack Number 4
Vial Numbers 6

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0012 ppm	47.1463 ppm	0.0673 ppm	0.0583 ppm	0.6155 ppm	0.0034 ppm	25.3500 ppm
Concentration per Run	0.0017 ppm	47.4697 ppm	0.0675 ppm	0.0585 ppm	0.6194 ppm	0.0034 ppm	25.6271 ppm
Concentration per Run	0.0008 ppm	47.0825 ppm	0.0686 ppm	0.0575 ppm	0.6103 ppm	0.0034 ppm	25.2032 ppm
Concentration per Run	0.0011 ppm	46.8865 ppm	0.0657 ppm	0.0589 ppm	0.6168 ppm	0.0033 ppm	25.2196 ppm
Concentration RSD	38.2 %	0.6 %	2.2 %	1.3 %	0.8 %	1.7 %	0.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0080 ppm	0.0658 ppm	0.0701 ppm	0.1254 ppm	112.3249 ppm	5.5655 ppm	0.1117 ppm
Concentration per Run	0.0080 ppm	0.0657 ppm	0.0707 ppm	0.1252 ppm	113.1611 ppm	5.6489 ppm	0.1156 ppm
Concentration per Run	0.0080 ppm	0.0657 ppm	0.0705 ppm	0.1260 ppm	111.4758 ppm	5.4981 ppm	0.1096 ppm
Concentration per Run	0.0079 ppm	0.0659 ppm	0.0691 ppm	0.1250 ppm	112.3377 ppm	5.5494 ppm	0.1100 ppm
Concentration RSD	0.9 %	0.2 %	1.2 %	0.4 %	0.8 %	1.4 %	3.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	17.6578 ppm	3.6779 ppm	0.0033 ppm	0.2140 ppm	0.1292 ppm	0.5803 ppm	0.0045 ppm
Concentration per Run	17.6427 ppm	3.7070 ppm	0.0032 ppm	0.2186 ppm	0.1288 ppm	0.5794 ppm	0.0061 ppm
Concentration per Run	17.6835 ppm	3.6658 ppm	0.0035 ppm	0.2101 ppm	0.1298 ppm	0.5795 ppm	0.0033 ppm
Concentration per Run	17.6474 ppm	3.6608 ppm	0.0031 ppm	0.2134 ppm	0.1291 ppm	0.5818 ppm	0.0041 ppm
Concentration RSD	0.1 %	0.7 %	6.2 %	2.0 %	0.4 %	0.2 %	30.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0047 ppm	2.9869 ppm	0.0214 ppm	0.0606 ppm	0.2303 ppm	0.0000 ppm	0.0674 ppm
Concentration per Run	0.0061 ppm	2.9909 ppm	0.0201 ppm	0.0613 ppm	0.2259 ppm	0.0008 ppm	0.0674 ppm
Concentration per Run	0.0026 ppm	2.9937 ppm	0.0223 ppm	0.0600 ppm	0.2391 ppm	-0.0008 ppm	0.0682 ppm
Concentration per Run	0.0053 ppm	2.9761 ppm	0.0219 ppm	0.0606 ppm	0.2258 ppm	0.0000 ppm	0.0667 ppm
Concentration RSD	38.9 %	0.3 %	5.3 %	1.1 %	3.3 %	2,843.0 %	1.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6571 ppm	102.5600 %	106.5374 %	99.8783 %	108.6188 %	113.9648 %	111.9558 %
Concentration per Run	0.6568 ppm	102.5741 %	105.5229 %	99.9955 %	108.6779 %	113.8159 %	111.9581 %
Concentration per Run	0.6618 ppm	101.7086 %	107.4422 %	100.0264 %	108.0824 %	114.3652 %	112.2295 %
Concentration per Run	0.6527 ppm	103.3972 %	106.6472 %	99.6131 %	109.0962 %	113.7131 %	111.6799 %
Concentration RSD	0.7 %	0.8 %	0.9 %	0.2 %	0.5 %	0.3 %	0.2 %

ICP DataTrace 11

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LabBook: WG2146815_11262025T11.imexp

Sample: L2574898-16d2 WG2146097
Analysis started at: 11/26/2025 11:53:33 PM
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Rack Number 4
Vial Numbers 7

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0021 ppm	70.1391 ppm	0.0982 ppm	0.0775 ppm	0.9264 ppm	0.0050 ppm	38.3399 ppm
Concentration per Run	0.0025 ppm	70.3551 ppm	0.0977 ppm	0.0745 ppm	0.9205 ppm	0.0050 ppm	38.4366 ppm
Concentration per Run	0.0018 ppm	69.7796 ppm	0.0992 ppm	0.0775 ppm	0.9299 ppm	0.0050 ppm	38.0482 ppm
Concentration per Run	0.0021 ppm	70.2826 ppm	0.0976 ppm	0.0804 ppm	0.9289 ppm	0.0050 ppm	38.5348 ppm
Concentration RSD	14.2 %	0.4 %	0.9 %	3.8 %	0.6 %	0.4 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0104 ppm	0.0960 ppm	0.1050 ppm	0.1882 ppm	165.0190 ppm	7.0618 ppm	0.1729 ppm
Concentration per Run	0.0103 ppm	0.0958 ppm	0.1040 ppm	0.1873 ppm	164.7239 ppm	7.0716 ppm	0.1707 ppm
Concentration per Run	0.0104 ppm	0.0964 ppm	0.1053 ppm	0.1878 ppm	164.9213 ppm	7.0595 ppm	0.1730 ppm
Concentration per Run	0.0105 ppm	0.0959 ppm	0.1056 ppm	0.1895 ppm	165.4118 ppm	7.0544 ppm	0.1749 ppm
Concentration RSD	1.0 %	0.3 %	0.8 %	0.6 %	0.2 %	0.1 %	1.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	26.6040 ppm	5.4875 ppm	0.0038 ppm	0.3325 ppm	0.1907 ppm	0.8449 ppm	0.0048 ppm
Concentration per Run	26.4983 ppm	5.4953 ppm	0.0037 ppm	0.3274 ppm	0.1889 ppm	0.8431 ppm	0.0041 ppm
Concentration per Run	26.5959 ppm	5.4552 ppm	0.0038 ppm	0.3318 ppm	0.1906 ppm	0.8444 ppm	0.0051 ppm
Concentration per Run	26.7177 ppm	5.5122 ppm	0.0039 ppm	0.3384 ppm	0.1927 ppm	0.8471 ppm	0.0051 ppm
Concentration RSD	0.4 %	0.5 %	2.4 %	1.7 %	1.0 %	0.2 %	11.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0061 ppm	3.1302 ppm	0.0345 ppm	0.0851 ppm	0.2700 ppm	-0.0006 ppm	0.1000 ppm
Concentration per Run	0.0112 ppm	3.1209 ppm	0.0347 ppm	0.0846 ppm	0.2683 ppm	-0.0010 ppm	0.0995 ppm
Concentration per Run	0.0004 ppm	3.1257 ppm	0.0331 ppm	0.0856 ppm	0.2711 ppm	0.0003 ppm	0.1002 ppm
Concentration per Run	0.0068 ppm	3.1440 ppm	0.0358 ppm	0.0851 ppm	0.2706 ppm	-0.0012 ppm	0.1004 ppm
Concentration RSD	88.5 %	0.4 %	4.0 %	0.6 %	0.6 %	129.4 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.9296 ppm	103.0210 %	106.7766 %	97.4423 %	113.2206 %	118.7320 %	115.0089 %
Concentration per Run	0.9181 ppm	104.1098 %	106.6987 %	97.8113 %	114.2090 %	119.1502 %	115.7362 %
Concentration per Run	0.9332 ppm	102.6786 %	107.7615 %	97.4630 %	112.6765 %	119.1579 %	114.8885 %
Concentration per Run	0.9375 ppm	102.2746 %	105.8696 %	97.0524 %	112.7764 %	117.8880 %	114.4020 %
Concentration RSD	1.1 %	0.9 %	0.9 %	0.4 %	0.8 %	0.6 %	0.6 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: CCV
Analysis started at: 11/26/2025 11:55:44 PM
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Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4893 ppm	0.4785 ppm	0.4602 ppm	0.4844 ppm	0.4822 ppm	0.4896 ppm	0.4855 ppm
Concentration per Run	0.4908 ppm	0.4806 ppm	0.4570 ppm	0.4861 ppm	0.4816 ppm	0.4871 ppm	0.4824 ppm
Concentration per Run	0.4884 ppm	0.4706 ppm	0.4610 ppm	0.4844 ppm	0.4804 ppm	0.4872 ppm	0.4842 ppm
Concentration per Run	0.4887 ppm	0.4844 ppm	0.4626 ppm	0.4827 ppm	0.4847 ppm	0.4944 ppm	0.4898 ppm
Recovery Percentage	97.863 %	95.704 %	92.036 %	96.876 %	96.450 %	97.914 %	97.091 %
Concentration RSD	0.3 %	1.5 %	0.6 %	0.4 %	0.5 %	0.9 %	0.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4919 ppm	0.5017 ppm	0.4912 ppm	0.5001 ppm	0.4936 ppm	5.1053 ppm	0.4755 ppm
Concentration per Run	0.4928 ppm	0.5034 ppm	0.4917 ppm	0.5002 ppm	0.4892 ppm	5.0880 ppm	0.4730 ppm
Concentration per Run	0.4921 ppm	0.5007 ppm	0.4931 ppm	0.5005 ppm	0.4931 ppm	5.0717 ppm	0.4770 ppm
Concentration per Run	0.4909 ppm	0.5011 ppm	0.4888 ppm	0.4995 ppm	0.4985 ppm	5.1563 ppm	0.4764 ppm
Recovery Percentage	98.390 %	100.344 %	98.243 %	100.016 %	98.726 %	102.106 %	95.093 %
Concentration RSD	0.2 %	0.3 %	0.5 %	0.1 %	0.9 %	0.9 %	0.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4876 ppm	0.4946 ppm	0.4801 ppm	9.8465 ppm	0.5050 ppm	0.4890 ppm	0.4966 ppm
Concentration per Run	0.4895 ppm	0.4916 ppm	0.4794 ppm	9.8319 ppm	0.5065 ppm	0.4921 ppm	0.4943 ppm
Concentration per Run	0.4875 ppm	0.4917 ppm	0.4818 ppm	9.8362 ppm	0.5040 ppm	0.4886 ppm	0.4982 ppm
Concentration per Run	0.4858 ppm	0.5004 ppm	0.4792 ppm	9.8715 ppm	0.5046 ppm	0.4862 ppm	0.4972 ppm
Recovery Percentage	97.525 %	98.913 %	96.030 %	98.465 %	101.006 %	97.792 %	99.320 %
Concentration RSD	0.4 %	1.0 %	0.3 %	0.2 %	0.3 %	0.6 %	0.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4723 ppm	5.2477 ppm	0.4827 ppm	0.4776 ppm	0.4884 ppm	0.4961 ppm	0.4959 ppm
Concentration per Run	0.4679 ppm	5.2411 ppm	0.4850 ppm	0.4776 ppm	0.4879 ppm	0.4954 ppm	0.4961 ppm
Concentration per Run	0.4760 ppm	5.2510 ppm	0.4787 ppm	0.4759 ppm	0.4883 ppm	0.4985 ppm	0.4972 ppm
Concentration per Run	0.4730 ppm	5.2510 ppm	0.4843 ppm	0.4792 ppm	0.4892 ppm	0.4945 ppm	0.4942 ppm
Recovery Percentage	94.460 %	99.956 %	96.538 %	95.520 %	97.689 %	99.219 %	99.170 %
Concentration RSD	0.9 %	0.1 %	0.7 %	0.3 %	0.1 %	0.4 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4945 ppm	104.1268 %	104.5043 %	104.0653 %	101.3542 %	102.6373 %	102.6677 %
Concentration per Run	0.4935 ppm	103.8636 %	105.0548 %	103.9884 %	101.2169 %	102.5455 %	102.5850 %
Concentration per Run	0.4953 ppm	104.2152 %	104.6938 %	103.6460 %	101.4347 %	102.3217 %	102.2787 %
Concentration per Run	0.4947 ppm	104.3018 %	103.7643 %	104.5617 %	101.4109 %	103.0448 %	103.1395 %
Recovery Percentage	98.900 %						
Concentration RSD	0.2 %	0.2 %	0.6 %	0.4 %	0.1 %	0.4 %	0.4 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: CCB
Analysis started at: 11/26/2025 11:57:56 PM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0075 ppm	-0.0004 ppm	0.0020 ppm	-0.0001 ppm	0.0000 ppm	0.0036 ppm
Concentration per Run	-0.0001 ppm	0.0044 ppm	-0.0021 ppm	0.0025 ppm	-0.0001 ppm	0.0000 ppm	0.0040 ppm
Concentration per Run	0.0004 ppm	0.0160 ppm	0.0015 ppm	0.0014 ppm	-0.0003 ppm	0.0001 ppm	0.0039 ppm
Concentration per Run	-0.0003 ppm	0.0021 ppm	-0.0004 ppm	0.0021 ppm	0.0000 ppm	0.0000 ppm	0.0028 ppm
Recovery Percentage	0.101 %	7.493 %	-7.391 %	6.714 %	-1.372 %	1.007 %	3.574 %
Concentration RSD	4,676.8 %	99.4 %	489.0 %	30.1 %	103.4 %	69.1 %	18.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0002 ppm	-0.0004 ppm	0.0002 ppm	0.0031 ppm	0.0298 ppm	-0.0007 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	-0.0005 ppm	0.0000 ppm	0.0021 ppm	0.0117 ppm	-0.0022 ppm
Concentration per Run	0.0002 ppm	-0.0007 ppm	-0.0003 ppm	0.0004 ppm	0.0044 ppm	0.0457 ppm	0.0003 ppm
Concentration per Run	0.0001 ppm	0.0002 ppm	-0.0004 ppm	0.0001 ppm	0.0027 ppm	0.0321 ppm	-0.0003 ppm
Recovery Percentage	2.033 %	-0.786 %	-3.613 %	1.759 %	6.188 %	1.193 %	-14.643 %
Concentration RSD	51.1 %	305.8 %	28.5 %	131.6 %	38.4 %	57.3 %	180.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0002 ppm	-0.0001 ppm	0.0005 ppm	0.0018 ppm	0.0000 ppm	-0.0010 ppm	-0.0010 ppm
Concentration per Run	0.0004 ppm	-0.0002 ppm	0.0005 ppm	0.0027 ppm	-0.0002 ppm	-0.0012 ppm	-0.0011 ppm
Concentration per Run	-0.0012 ppm	-0.0001 ppm	0.0005 ppm	-0.0021 ppm	0.0006 ppm	-0.0006 ppm	0.0005 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	0.0004 ppm	0.0049 ppm	-0.0003 ppm	-0.0014 ppm	-0.0024 ppm
Recovery Percentage	-0.208 %	-0.927 %	0.930 %	0.092 %	0.131 %	-10.345 %	-2.003 %
Concentration RSD	407.5 %	83.9 %	16.2 %	194.7 %	1,570.5 %	37.5 %	148.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0023 ppm	0.0038 ppm	0.0002 ppm	0.0000 ppm	0.0006 ppm	0.0006 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0033 ppm	0.0011 ppm	0.0000 ppm	0.0004 ppm	0.0011 ppm	-0.0001 ppm
Concentration per Run	0.0043 ppm	0.0034 ppm	0.0004 ppm	-0.0001 ppm	0.0007 ppm	0.0010 ppm	0.0001 ppm
Concentration per Run	0.0027 ppm	0.0046 ppm	-0.0010 ppm	0.0000 ppm	0.0008 ppm	-0.0004 ppm	0.0000 ppm
Recovery Percentage	23.204 %	0.755 %	0.350 %	-0.332 %	6.493 %	3.043 %	-0.051 %
Concentration RSD	93.1 %	18.1 %	601.8 %	91.4 %	30.4 %	137.0 %	2,650.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	102.5182 %	101.8388 %	102.8765 %	102.2257 %	102.1837 %	102.4932 %
Concentration per Run	0.0004 ppm	102.6580 %	101.6946 %	103.3427 %	102.3505 %	101.7644 %	102.7655 %
Concentration per Run	0.0001 ppm	102.8037 %	102.3784 %	103.0965 %	102.0677 %	102.5569 %	102.5429 %
Concentration per Run	0.0000 ppm	102.0929 %	101.4436 %	102.1903 %	102.2590 %	102.2299 %	102.1711 %
Recovery Percentage	3.568 %						
Concentration RSD	113.5 %	0.4 %	0.5 %	0.6 %	0.1 %	0.4 %	0.3 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: CCV
Analysis started at: 11/27/2025 12:00:08 AM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4865 ppm	0.4773 ppm	0.4557 ppm	0.4829 ppm	0.4827 ppm	0.4919 ppm	0.4887 ppm
Concentration per Run	0.4853 ppm	0.4687 ppm	0.4548 ppm	0.4837 ppm	0.4824 ppm	0.4894 ppm	0.4849 ppm
Concentration per Run	0.4864 ppm	0.4757 ppm	0.4539 ppm	0.4807 ppm	0.4847 ppm	0.4929 ppm	0.4914 ppm
Concentration per Run	0.4878 ppm	0.4875 ppm	0.4585 ppm	0.4842 ppm	0.4812 ppm	0.4933 ppm	0.4899 ppm
Recovery Percentage	97.301 %	95.459 %	91.150 %	96.574 %	96.547 %	98.375 %	97.746 %
Concentration RSD	0.3 %	2.0 %	0.5 %	0.4 %	0.4 %	0.4 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4905 ppm	0.4990 ppm	0.4882 ppm	0.4983 ppm	0.4899 ppm	5.1108 ppm	0.4784 ppm
Concentration per Run	0.4901 ppm	0.4972 ppm	0.4866 ppm	0.4979 ppm	0.4889 ppm	5.1012 ppm	0.4772 ppm
Concentration per Run	0.4892 ppm	0.4986 ppm	0.4881 ppm	0.4977 ppm	0.4893 ppm	5.1277 ppm	0.4790 ppm
Concentration per Run	0.4921 ppm	0.5012 ppm	0.4897 ppm	0.4993 ppm	0.4914 ppm	5.1034 ppm	0.4789 ppm
Recovery Percentage	98.092 %	99.800 %	97.631 %	99.659 %	97.973 %	102.215 %	95.678 %
Concentration RSD	0.3 %	0.4 %	0.3 %	0.2 %	0.3 %	0.3 %	0.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4872 ppm	0.4964 ppm	0.4789 ppm	9.8845 ppm	0.5021 ppm	0.4882 ppm	0.4969 ppm
Concentration per Run	0.4869 ppm	0.4947 ppm	0.4781 ppm	9.8284 ppm	0.5003 ppm	0.4880 ppm	0.4980 ppm
Concentration per Run	0.4851 ppm	0.4968 ppm	0.4784 ppm	9.9182 ppm	0.5016 ppm	0.4867 ppm	0.4980 ppm
Concentration per Run	0.4895 ppm	0.4979 ppm	0.4802 ppm	9.9067 ppm	0.5042 ppm	0.4898 ppm	0.4945 ppm
Recovery Percentage	97.435 %	99.288 %	95.778 %	98.845 %	100.415 %	97.636 %	99.370 %
Concentration RSD	0.5 %	0.3 %	0.2 %	0.5 %	0.4 %	0.3 %	0.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4696 ppm	5.2081 ppm	0.4829 ppm	0.4785 ppm	0.4867 ppm	0.4971 ppm	0.4935 ppm
Concentration per Run	0.4678 ppm	5.1876 ppm	0.4812 ppm	0.4782 ppm	0.4874 ppm	0.4955 ppm	0.4920 ppm
Concentration per Run	0.4683 ppm	5.1976 ppm	0.4851 ppm	0.4800 ppm	0.4860 ppm	0.4974 ppm	0.4928 ppm
Concentration per Run	0.4729 ppm	5.2391 ppm	0.4823 ppm	0.4772 ppm	0.4867 ppm	0.4983 ppm	0.4958 ppm
Recovery Percentage	93.928 %	99.202 %	96.571 %	95.690 %	97.335 %	99.415 %	98.704 %
Concentration RSD	0.6 %	0.5 %	0.4 %	0.3 %	0.1 %	0.3 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4916 ppm	104.1532 %	103.5012 %	103.9814 %	101.3983 %	102.0531 %	102.3271 %
Concentration per Run	0.4905 ppm	104.1521 %	104.3862 %	104.1073 %	101.0708 %	102.4297 %	102.3865 %
Concentration per Run	0.4918 ppm	104.2024 %	102.7475 %	103.9298 %	101.2147 %	101.4170 %	102.1665 %
Concentration per Run	0.4925 ppm	104.1052 %	103.3699 %	103.9071 %	101.9095 %	102.3125 %	102.4282 %
Recovery Percentage	98.322 %						
Concentration RSD	0.2 %	0.0 %	0.8 %	0.1 %	0.4 %	0.5 %	0.1 %

ICP DataTrace 11

11/28/2025 5:14:37 AM

LabBook: WG2146815_11262025T11.imexp

Sample: CCB
Analysis started at: 11/27/2025 12:02:19 AM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0004 ppm	0.0049 ppm	0.0005 ppm	0.0015 ppm	-0.0002 ppm	0.0000 ppm	0.0045 ppm
Concentration per Run	-0.0003 ppm	0.0012 ppm	-0.0009 ppm	0.0033 ppm	-0.0001 ppm	0.0000 ppm	0.0070 ppm
Concentration per Run	-0.0001 ppm	0.0000 ppm	0.0014 ppm	0.0002 ppm	-0.0002 ppm	0.0000 ppm	0.0017 ppm
Concentration per Run	-0.0009 ppm	0.0136 ppm	0.0009 ppm	0.0011 ppm	-0.0003 ppm	0.0000 ppm	0.0049 ppm
Recovery Percentage	-5.746 %	4.923 %	9.237 %	5.082 %	-2.094 %	0.266 %	4.536 %
Concentration RSD	105.9 %	153.6 %	260.1 %	104.2 %	36.9 %	179.6 %	58.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0004 ppm	-0.0002 ppm	0.0002 ppm	0.0026 ppm	0.0276 ppm	0.0009 ppm
Concentration per Run	0.0000 ppm	-0.0008 ppm	-0.0002 ppm	-0.0001 ppm	0.0022 ppm	0.0232 ppm	-0.0001 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	-0.0002 ppm	0.0002 ppm	0.0021 ppm	0.0411 ppm	0.0008 ppm
Concentration per Run	0.0001 ppm	-0.0003 ppm	-0.0001 ppm	0.0003 ppm	0.0036 ppm	0.0185 ppm	0.0019 ppm
Recovery Percentage	0.611 %	-1.910 %	-1.728 %	1.673 %	5.265 %	1.104 %	17.774 %
Concentration RSD	130.8 %	101.3 %	39.7 %	127.9 %	33.5 %	43.2 %	114.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0003 ppm	0.0000 ppm	0.0002 ppm	0.0020 ppm	0.0006 ppm	-0.0006 ppm	0.0041 ppm
Concentration per Run	0.0010 ppm	0.0001 ppm	0.0006 ppm	0.0070 ppm	0.0008 ppm	-0.0003 ppm	0.0057 ppm
Concentration per Run	-0.0002 ppm	0.0002 ppm	0.0002 ppm	0.0035 ppm	0.0006 ppm	-0.0001 ppm	0.0039 ppm
Concentration per Run	-0.0017 ppm	-0.0003 ppm	-0.0002 ppm	-0.0045 ppm	0.0002 ppm	-0.0014 ppm	0.0027 ppm
Recovery Percentage	-0.298 %	-0.122 %	0.359 %	0.099 %	2.254 %	-5.966 %	8.173 %
Concentration RSD	457.4 %	1,945.8 %	232.8 %	298.6 %	53.3 %	121.7 %	37.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0017 ppm	0.0025 ppm	0.0002 ppm	0.0000 ppm	0.0005 ppm	0.0016 ppm	0.0000 ppm
Concentration per Run	0.0027 ppm	0.0016 ppm	-0.0004 ppm	0.0000 ppm	0.0007 ppm	0.0020 ppm	0.0000 ppm
Concentration per Run	0.0014 ppm	0.0035 ppm	0.0009 ppm	0.0001 ppm	0.0003 ppm	0.0012 ppm	0.0000 ppm
Concentration per Run	0.0010 ppm	0.0024 ppm	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0016 ppm	0.0000 ppm
Recovery Percentage	17.036 %	0.502 %	0.345 %	0.414 %	4.554 %	8.025 %	-0.093 %
Concentration RSD	54.3 %	38.4 %	386.3 %	94.6 %	44.1 %	26.7 %	122.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0001 ppm	102.1284 %	101.1334 %	102.6885 %	101.4176 %	101.8975 %	102.1528 %
Concentration per Run	0.0002 ppm	102.2970 %	101.1606 %	102.4608 %	101.8470 %	102.3020 %	102.4295 %
Concentration per Run	-0.0003 ppm	102.1083 %	101.3793 %	102.5166 %	101.4317 %	102.3135 %	101.7102 %
Concentration per Run	-0.0002 ppm	101.9798 %	100.8604 %	103.0881 %	100.9742 %	101.0771 %	102.3187 %
Recovery Percentage	-2.114 %						
Concentration RSD	275.0 %	0.2 %	0.3 %	0.3 %	0.4 %	0.7 %	0.4 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample:	xBlank LRS Trace11
Analysis started at:	11/28/2025 6:12:38 AM
Comment	<Comment>
Rack Number	0
Vial Numbers	1

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: Blank LRS Trace11
Analysis started at: 11/28/2025 6:14:48 AM
Comment <Comment>
Rack Number 0
Vial Numbers 1

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	0.8 %	-0.3 %	10.7 %	0.2 %	1.5 %	-0.5 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	7.9 %	0.2 %	0.2 %	0.2 %	-2.2 %	0.3 %	0.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-1.0 %	-1.3 %	1.4 %	0.4 %	-0.2 %	0.2 %	-1.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.4 %	0.0 %	-17.6 %	-0.3 %	-0.1 %	-0.5 %	-0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration per Run	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration RSD	0.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: ICAL
Analysis started at: 11/28/2025 6:16:57 AM
Comment <Comment>
Rack Number 0
Vial Numbers 2

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	10.0000 ppm
Concentration per Run	1.0090 ppm	25.0055 ppm	1.0001 ppm	1.0096 ppm	0.9977 ppm	1.0007 ppm	9.9910 ppm
Concentration per Run	0.9949 ppm	24.9638 ppm	0.9972 ppm	0.9861 ppm	0.9979 ppm	0.9976 ppm	9.9993 ppm
Concentration per Run	0.9961 ppm	25.0307 ppm	1.0026 ppm	1.0044 ppm	1.0044 ppm	1.0016 ppm	10.0097 ppm
Concentration RSD	0.8 %	0.1 %	0.3 %	1.2 %	0.4 %	0.2 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	35.0000 ppm	1.0000 ppm
Concentration per Run	1.0155 ppm	1.0111 ppm	1.0241 ppm	1.0106 ppm	24.9893 ppm	34.8384 ppm	0.9965 ppm
Concentration per Run	0.9926 ppm	0.9904 ppm	0.9811 ppm	0.9933 ppm	24.9556 ppm	34.8876 ppm	0.9963 ppm
Concentration per Run	0.9919 ppm	0.9985 ppm	0.9949 ppm	0.9960 ppm	25.0551 ppm	35.2739 ppm	1.0073 ppm
Concentration RSD	1.3 %	1.0 %	2.2 %	0.9 %	0.2 %	0.7 %	0.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	10.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run	9.9554 ppm	0.9993 ppm	1.0032 ppm	25.0098 ppm	1.0115 ppm	1.0061 ppm	1.0079 ppm
Concentration per Run	10.0004 ppm	1.0009 ppm	0.9951 ppm	24.8611 ppm	0.9900 ppm	0.9977 ppm	0.9920 ppm
Concentration per Run	10.0442 ppm	0.9998 ppm	1.0017 ppm	25.1291 ppm	0.9985 ppm	0.9962 ppm	1.0001 ppm
Concentration RSD	0.4 %	0.1 %	0.4 %	0.5 %	1.1 %	0.5 %	0.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	1.0000 ppm	10.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run	1.0051 ppm	10.0481 ppm	1.0104 ppm	0.9987 ppm	0.9930 ppm	1.0031 ppm	1.0089 ppm
Concentration per Run	0.9975 ppm	9.9304 ppm	0.9893 ppm	0.9956 ppm	1.0042 ppm	0.9956 ppm	0.9928 ppm
Concentration per Run	0.9974 ppm	10.0214 ppm	1.0003 ppm	1.0056 ppm	1.0028 ppm	1.0013 ppm	0.9983 ppm
Concentration RSD	0.4 %	0.6 %	1.1 %	0.5 %	0.6 %	0.4 %	0.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0000 ppm	100.3835 %	101.1784 %	96.3259 %	96.9778 %	98.2800 %	97.4439 %
Concentration per Run	1.0185 ppm	99.4954 %	101.4009 %	96.4832 %	96.3690 %	98.4939 %	97.9679 %
Concentration per Run	0.9850 ppm	101.0908 %	100.6852 %	96.2847 %	97.4459 %	97.7188 %	97.2441 %
Concentration per Run	0.9965 ppm	100.5642 %	101.4491 %	96.2098 %	97.1185 %	98.6273 %	97.1198 %
Concentration RSD	1.7 %	0.8 %	0.4 %	0.1 %	0.6 %	0.5 %	0.5 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: ICV
Analysis started at: 11/28/2025 6:22:28 AM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5016 ppm	0.4750 ppm	0.4740 ppm	0.4923 ppm	0.4858 ppm	0.4974 ppm	0.4849 ppm
Concentration per Run	0.5008 ppm	0.4763 ppm	0.4749 ppm	0.4897 ppm	0.4840 ppm	0.4950 ppm	0.4849 ppm
Concentration per Run	0.4993 ppm	0.4769 ppm	0.4757 ppm	0.4910 ppm	0.4888 ppm	0.5005 ppm	0.4868 ppm
Concentration per Run	0.5046 ppm	0.4718 ppm	0.4713 ppm	0.4961 ppm	0.4846 ppm	0.4967 ppm	0.4829 ppm
Recovery Percentage	100.315 %	94.999 %	94.797 %	98.457 %	97.157 %	99.482 %	96.978 %
Concentration RSD	0.6 %	0.6 %	0.5 %	0.7 %	0.5 %	0.6 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5111 ppm	0.5106 ppm	0.5065 ppm	0.5151 ppm	0.4892 ppm	5.0664 ppm	0.5136 ppm
Concentration per Run	0.5088 ppm	0.5065 ppm	0.5028 ppm	0.5142 ppm	0.4887 ppm	5.0547 ppm	0.5138 ppm
Concentration per Run	0.5097 ppm	0.5122 ppm	0.5068 ppm	0.5128 ppm	0.4904 ppm	5.0940 ppm	0.5169 ppm
Concentration per Run	0.5147 ppm	0.5131 ppm	0.5100 ppm	0.5181 ppm	0.4886 ppm	5.0507 ppm	0.5102 ppm
Recovery Percentage	102.217 %	102.117 %	101.304 %	103.011 %	97.845 %	101.329 %	102.725 %
Concentration RSD	0.6 %	0.7 %	0.7 %	0.5 %	0.2 %	0.5 %	0.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4988 ppm	0.5004 ppm	0.4876 ppm	9.9989 ppm	0.5119 ppm	0.4909 ppm	0.5062 ppm
Concentration per Run	0.4931 ppm	0.4997 ppm	0.4839 ppm	10.0145 ppm	0.5120 ppm	0.4891 ppm	0.5021 ppm
Concentration per Run	0.5034 ppm	0.5015 ppm	0.4878 ppm	10.0125 ppm	0.5097 ppm	0.4924 ppm	0.5082 ppm
Concentration per Run	0.4998 ppm	0.5000 ppm	0.4912 ppm	9.9698 ppm	0.5139 ppm	0.4913 ppm	0.5083 ppm
Recovery Percentage	99.750 %	100.081 %	97.523 %	99.989 %	102.376 %	98.189 %	101.240 %
Concentration RSD	1.1 %	0.2 %	0.7 %	0.3 %	0.4 %	0.3 %	0.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4758 ppm	5.3988 ppm	0.4908 ppm	0.4833 ppm	0.4934 ppm	0.4988 ppm	0.5090 ppm
Concentration per Run	0.4751 ppm	5.3626 ppm	0.4896 ppm	0.4808 ppm	0.4907 ppm	0.4984 ppm	0.5064 ppm
Concentration per Run	0.4759 ppm	5.3897 ppm	0.4896 ppm	0.4866 ppm	0.4957 ppm	0.4997 ppm	0.5094 ppm
Concentration per Run	0.4763 ppm	5.4440 ppm	0.4934 ppm	0.4826 ppm	0.4938 ppm	0.4983 ppm	0.5112 ppm
Recovery Percentage	95.153 %	102.833 %	98.169 %	96.669 %	98.685 %	99.762 %	101.798 %
Concentration RSD	0.1 %	0.8 %	0.5 %	0.6 %	0.5 %	0.2 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5078 ppm	102.0186 %	103.3432 %	101.9096 %	100.3316 %	101.6366 %	101.1718 %
Concentration per Run	0.5042 ppm	102.8377 %	104.2239 %	102.6113 %	101.0582 %	102.6485 %	101.5178 %
Concentration per Run	0.5079 ppm	102.3023 %	103.5320 %	101.3872 %	100.6984 %	102.0024 %	100.9309 %
Concentration per Run	0.5115 ppm	100.9159 %	102.2737 %	101.7304 %	99.2381 %	100.2589 %	101.0667 %
Recovery Percentage	101.570 %						
Concentration RSD	0.7 %	1.0 %	1.0 %	0.6 %	1.0 %	1.2 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: ICB
Analysis started at: 11/28/2025 6:24:44 AM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	-0.0032 ppm	-0.0002 ppm	0.0013 ppm	0.0001 ppm	0.0000 ppm	0.0026 ppm
Concentration per Run	-0.0001 ppm	0.0027 ppm	0.0001 ppm	0.0020 ppm	0.0001 ppm	0.0001 ppm	0.0031 ppm
Concentration per Run	-0.0006 ppm	-0.0128 ppm	0.0014 ppm	0.0011 ppm	0.0001 ppm	0.0000 ppm	0.0063 ppm
Concentration per Run	0.0000 ppm	0.0006 ppm	-0.0021 ppm	0.0008 ppm	0.0000 ppm	0.0000 ppm	-0.0016 ppm
Recovery Percentage	-2.833 %	-3.187 %	-3.822 %	4.188 %	0.817 %	0.356 %	2.626 %
Concentration RSD	159.9 %	262.6 %	944.6 %	49.7 %	75.5 %	316.3 %	151.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0001 ppm	-0.0004 ppm	-0.0001 ppm	-0.0003 ppm	-0.0140 ppm	-0.0011 ppm
Concentration per Run	0.0000 ppm	-0.0004 ppm	-0.0004 ppm	-0.0001 ppm	-0.0002 ppm	-0.0106 ppm	0.0011 ppm
Concentration per Run	0.0000 ppm	-0.0002 ppm	-0.0002 ppm	-0.0001 ppm	-0.0004 ppm	0.0062 ppm	-0.0029 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	-0.0007 ppm	0.0000 ppm	-0.0004 ppm	-0.0377 ppm	-0.0015 ppm
Recovery Percentage	0.681 %	-0.714 %	-4.281 %	-0.724 %	-0.686 %	-0.561 %	-21.524 %
Concentration RSD	184.5 %	175.6 %	68.7 %	94.4 %	32.5 %	158.0 %	189.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0007 ppm	0.0000 ppm	0.0002 ppm	-0.0011 ppm	-0.0004 ppm	-0.0003 ppm	0.0014 ppm
Concentration per Run	-0.0001 ppm	0.0003 ppm	0.0003 ppm	-0.0038 ppm	-0.0009 ppm	-0.0006 ppm	0.0019 ppm
Concentration per Run	-0.0010 ppm	-0.0003 ppm	0.0002 ppm	-0.0004 ppm	-0.0005 ppm	0.0004 ppm	-0.0037 ppm
Concentration per Run	-0.0009 ppm	0.0001 ppm	0.0001 ppm	0.0008 ppm	0.0000 ppm	-0.0005 ppm	0.0059 ppm
Recovery Percentage	-0.670 %	0.126 %	0.432 %	-0.057 %	-1.789 %	-2.569 %	2.715 %
Concentration RSD	68.0 %	2,580.2 %	54.8 %	210.6 %	101.1 %	213.4 %	355.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0026 ppm	0.0008 ppm	0.0012 ppm	0.0001 ppm	0.0002 ppm	0.0011 ppm	-0.0001 ppm
Concentration per Run	0.0007 ppm	-0.0001 ppm	0.0018 ppm	0.0001 ppm	0.0003 ppm	0.0015 ppm	-0.0001 ppm
Concentration per Run	0.0020 ppm	0.0002 ppm	0.0013 ppm	0.0001 ppm	0.0003 ppm	0.0000 ppm	-0.0003 ppm
Concentration per Run	0.0050 ppm	0.0024 ppm	0.0005 ppm	0.0001 ppm	0.0001 ppm	0.0019 ppm	0.0001 ppm
Recovery Percentage	25.552 %	0.166 %	2.450 %	1.142 %	2.156 %	5.680 %	-0.828 %
Concentration RSD	86.9 %	168.6 %	53.7 %	34.6 %	62.0 %	90.7 %	227.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	100.0376 %	100.2058 %	100.7531 %	100.1992 %	99.5735 %	100.8998 %
Concentration per Run	0.0002 ppm	99.9316 %	99.5211 %	100.7614 %	100.4325 %	98.5558 %	100.9420 %
Concentration per Run	0.0002 ppm	100.5174 %	101.0508 %	101.0027 %	100.2667 %	100.7427 %	101.0010 %
Concentration per Run	0.0003 ppm	99.6637 %	100.0453 %	100.4953 %	99.8982 %	99.4220 %	100.7563 %
Recovery Percentage	4.940 %						
Concentration RSD	29.6 %	0.4 %	0.8 %	0.3 %	0.3 %	1.1 %	0.1 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: ICV
Analysis started at: 11/28/2025 6:26:53 AM
Comment <Comment>
Rack Number 0
Vial Numbers 10

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5063 ppm	0.4805 ppm	0.4762 ppm	0.4963 ppm	0.4936 ppm	0.5015 ppm	0.4868 ppm
Concentration per Run	0.5114 ppm	0.4761 ppm	0.4750 ppm	0.4991 ppm	0.4929 ppm	0.5001 ppm	0.4856 ppm
Concentration per Run	0.5061 ppm	0.4924 ppm	0.4775 ppm	0.4961 ppm	0.4935 ppm	0.5035 ppm	0.4907 ppm
Concentration per Run	0.5014 ppm	0.4729 ppm	0.4763 ppm	0.4936 ppm	0.4943 ppm	0.5007 ppm	0.4841 ppm
Recovery Percentage	101.268 %	96.099 %	95.247 %	99.254 %	98.711 %	100.290 %	97.363 %
Concentration RSD	1.0 %	2.2 %	0.3 %	0.5 %	0.1 %	0.4 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5108 ppm	0.5107 ppm	0.5068 ppm	0.5167 ppm	0.4899 ppm	5.1135 ppm	0.5067 ppm
Concentration per Run	0.5153 ppm	0.5125 ppm	0.5133 ppm	0.5199 ppm	0.4922 ppm	5.1170 ppm	0.5073 ppm
Concentration per Run	0.5106 ppm	0.5116 ppm	0.5052 ppm	0.5172 ppm	0.4895 ppm	5.1163 ppm	0.5084 ppm
Concentration per Run	0.5063 ppm	0.5080 ppm	0.5019 ppm	0.5130 ppm	0.4880 ppm	5.1072 ppm	0.5044 ppm
Recovery Percentage	102.150 %	102.143 %	101.358 %	103.340 %	97.981 %	102.270 %	101.345 %
Concentration RSD	0.9 %	0.5 %	1.2 %	0.7 %	0.4 %	0.1 %	0.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4982 ppm	0.5028 ppm	0.4888 ppm	10.0333 ppm	0.5128 ppm	0.4961 ppm	0.5098 ppm
Concentration per Run	0.4932 ppm	0.5033 ppm	0.4907 ppm	10.0151 ppm	0.5159 ppm	0.4981 ppm	0.5108 ppm
Concentration per Run	0.5011 ppm	0.5058 ppm	0.4886 ppm	10.0939 ppm	0.5119 ppm	0.4943 ppm	0.5125 ppm
Concentration per Run	0.5003 ppm	0.4993 ppm	0.4870 ppm	9.9910 ppm	0.5106 ppm	0.4959 ppm	0.5060 ppm
Recovery Percentage	99.637 %	100.557 %	97.752 %	100.333 %	102.562 %	99.221 %	101.950 %
Concentration RSD	0.9 %	0.6 %	0.4 %	0.5 %	0.5 %	0.4 %	0.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4765 ppm	5.4074 ppm	0.5021 ppm	0.4906 ppm	0.4962 ppm	0.5028 ppm	0.5088 ppm
Concentration per Run	0.4741 ppm	5.4324 ppm	0.5054 ppm	0.4910 ppm	0.4972 ppm	0.5023 ppm	0.5122 ppm
Concentration per Run	0.4768 ppm	5.3996 ppm	0.5050 ppm	0.4898 ppm	0.4951 ppm	0.5037 ppm	0.5090 ppm
Concentration per Run	0.4787 ppm	5.3904 ppm	0.4959 ppm	0.4910 ppm	0.4964 ppm	0.5024 ppm	0.5051 ppm
Recovery Percentage	95.305 %	102.999 %	100.421 %	98.123 %	99.250 %	100.557 %	101.752 %
Concentration RSD	0.5 %	0.4 %	1.1 %	0.1 %	0.2 %	0.2 %	0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5079 ppm	103.4285 %	103.6649 %	102.3599 %	101.5584 %	101.5906 %	101.5280 %
Concentration per Run	0.5127 ppm	102.7577 %	102.9882 %	102.1687 %	100.8522 %	100.8992 %	101.5671 %
Concentration per Run	0.5066 ppm	103.0762 %	103.1079 %	102.5305 %	101.4894 %	101.5297 %	101.5691 %
Concentration per Run	0.5042 ppm	104.4517 %	104.8987 %	102.3804 %	102.3336 %	102.3430 %	101.4477 %
Recovery Percentage	101.572 %						
Concentration RSD	0.9 %	0.9 %	1.0 %	0.2 %	0.7 %	0.7 %	0.1 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: ICB
Analysis started at: 11/28/2025 6:29:02 AM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	0.0073 ppm	0.0002 ppm	0.0010 ppm	0.0001 ppm	0.0000 ppm	0.0007 ppm
Concentration per Run	-0.0003 ppm	0.0006 ppm	0.0014 ppm	0.0016 ppm	0.0001 ppm	0.0000 ppm	-0.0001 ppm
Concentration per Run	0.0002 ppm	0.0058 ppm	-0.0011 ppm	0.0015 ppm	0.0000 ppm	0.0000 ppm	0.0031 ppm
Concentration per Run	0.0004 ppm	0.0156 ppm	0.0003 ppm	0.0000 ppm	0.0002 ppm	0.0000 ppm	-0.0007 ppm
Recovery Percentage	1.164 %	7.346 %	4.779 %	3.389 %	0.864 %	-0.336 %	0.732 %
Concentration RSD	421.5 %	104.1 %	520.3 %	90.3 %	79.0 %	72.6 %	279.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0001 ppm	0.0003 ppm	-0.0001 ppm	-0.0008 ppm	-0.0250 ppm	0.0012 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0010 ppm	-0.0005 ppm	-0.0009 ppm	-0.0237 ppm	0.0010 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	-0.0002 ppm	0.0002 ppm	-0.0005 ppm	-0.0443 ppm	0.0020 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	0.0001 ppm	-0.0001 ppm	-0.0011 ppm	-0.0070 ppm	0.0007 ppm
Recovery Percentage	1.240 %	0.383 %	2.642 %	-1.162 %	-1.644 %	-1.000 %	24.810 %
Concentration RSD	77.2 %	248.7 %	235.3 %	297.9 %	38.9 %	74.7 %	56.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0007 ppm	0.0000 ppm	0.0002 ppm	0.0008 ppm	0.0000 ppm	-0.0005 ppm	0.0002 ppm
Concentration per Run	0.0015 ppm	0.0000 ppm	-0.0001 ppm	0.0037 ppm	0.0005 ppm	-0.0009 ppm	-0.0006 ppm
Concentration per Run	-0.0015 ppm	0.0001 ppm	0.0000 ppm	0.0007 ppm	-0.0005 ppm	0.0003 ppm	0.0025 ppm
Concentration per Run	0.0022 ppm	0.0001 ppm	0.0007 ppm	-0.0021 ppm	-0.0001 ppm	-0.0009 ppm	-0.0012 ppm
Recovery Percentage	0.747 %	0.442 %	0.383 %	0.038 %	-0.107 %	-4.872 %	0.458 %
Concentration RSD	260.5 %	136.5 %	232.3 %	382.2 %	1,813.0 %	137.5 %	856.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0003 ppm	0.0000 ppm	0.0009 ppm	0.0001 ppm	-0.0002 ppm	0.0006 ppm	0.0000 ppm
Concentration per Run	-0.0012 ppm	0.0015 ppm	-0.0001 ppm	0.0001 ppm	-0.0002 ppm	0.0001 ppm	0.0001 ppm
Concentration per Run	0.0021 ppm	0.0007 ppm	0.0023 ppm	0.0002 ppm	-0.0004 ppm	0.0009 ppm	-0.0001 ppm
Concentration per Run	0.0000 ppm	-0.0021 ppm	0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0008 ppm	0.0000 ppm
Recovery Percentage	2.905 %	0.007 %	1.725 %	0.932 %	-1.805 %	2.882 %	-0.356 %
Concentration RSD	583.7 %	5,149.0 %	151.0 %	99.0 %	120.6 %	78.9 %	239.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0003 ppm	99.7702 %	100.1116 %	99.9658 %	100.1939 %	100.0928 %	100.1485 %
Concentration per Run	0.0004 ppm	99.4916 %	99.7221 %	99.5526 %	100.4433 %	99.9975 %	99.6877 %
Concentration per Run	0.0000 ppm	99.5115 %	101.0069 %	99.4143 %	99.3487 %	100.6155 %	99.6561 %
Concentration per Run	0.0003 ppm	100.3076 %	99.6059 %	100.9305 %	100.7899 %	99.6655 %	101.1017 %
Recovery Percentage	5.192 %						
Concentration RSD	76.9 %	0.5 %	0.8 %	0.8 %	0.8 %	0.5 %	0.8 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: LLOQ
Analysis started at: 11/28/2025 6:31:11 AM
Comment <Comment>
Rack Number 0
Vial Numbers 5

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0053 ppm	0.1048 ppm	**0.0033 ppm**	0.0299 ppm	0.0101 ppm	0.0050 ppm	0.0963 ppm
Concentration per Run	0.0052 ppm	0.1096 ppm	0.0034 ppm	0.0310 ppm	0.0098 ppm	0.0050 ppm	0.0944 ppm
Concentration per Run	0.0051 ppm	0.1057 ppm	0.0033 ppm	0.0291 ppm	0.0103 ppm	0.0051 ppm	0.0976 ppm
Concentration per Run	0.0056 ppm	0.0991 ppm	0.0031 ppm	0.0295 ppm	0.0101 ppm	0.0050 ppm	0.0971 ppm
Recovery Percentage	105.782 %	104.782 %	65.786 %	99.524 %	100.536 %	100.482 %	96.341 %
Concentration RSD	4.8 %	5.1 %	**4.9 %**	3.4 %	2.2 %	0.8 %	1.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0040 ppm	0.0097 ppm	0.0096 ppm	0.0101 ppm	0.0489 ppm	2.5798 ppm	0.0109 ppm
Concentration per Run	0.0041 ppm	0.0096 ppm	0.0097 ppm	0.0104 ppm	0.0484 ppm	2.6020 ppm	0.0118 ppm
Concentration per Run	0.0040 ppm	0.0100 ppm	0.0098 ppm	0.0100 ppm	0.0489 ppm	2.5834 ppm	0.0110 ppm
Concentration per Run	0.0041 ppm	0.0096 ppm	0.0093 ppm	0.0098 ppm	0.0494 ppm	2.5542 ppm	0.0099 ppm
Recovery Percentage	100.668 %	97.218 %	95.951 %	100.793 %	97.761 %	103.194 %	108.954 %
Concentration RSD	1.6 %	2.1 %	3.0 %	2.7 %	1.0 %	0.9 %	8.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.1016 ppm	0.0100 ppm	0.0491 ppm	2.0228 ppm	**0.0198 ppm**	0.0088 ppm	0.0548 ppm
Concentration per Run	0.1000 ppm	0.0097 ppm	0.0485 ppm	1.9962 ppm	0.0199 ppm	0.0086 ppm	0.0562 ppm
Concentration per Run	0.1021 ppm	0.0101 ppm	0.0498 ppm	2.0416 ppm	0.0191 ppm	0.0083 ppm	0.0536 ppm
Concentration per Run	0.1028 ppm	0.0101 ppm	0.0489 ppm	2.0306 ppm	0.0203 ppm	0.0096 ppm	0.0548 ppm
Recovery Percentage	101.625 %	99.801 %	98.123 %	101.140 %	79.016 %	88.121 %	109.641 %
Concentration RSD	1.4 %	2.7 %	1.4 %	1.2 %	**3.0 %**	7.6 %	2.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0115 ppm	0.5033 ppm	0.0524 ppm	0.0098 ppm	0.0098 ppm	**0.0207 ppm**	0.0099 ppm
Concentration per Run	0.0113 ppm	0.4997 ppm	0.0524 ppm	0.0097 ppm	0.0100 ppm	0.0207 ppm	0.0096 ppm
Concentration per Run	0.0148 ppm	0.5023 ppm	0.0517 ppm	0.0098 ppm	0.0097 ppm	0.0200 ppm	0.0101 ppm
Concentration per Run	0.0083 ppm	0.5080 ppm	0.0532 ppm	0.0100 ppm	0.0098 ppm	0.0214 ppm	0.0101 ppm
Recovery Percentage	114.537 %	100.667 %	104.841 %	98.404 %	98.390 %	103.495 %	99.329 %
Concentration RSD	28.3 %	0.8 %	1.4 %	1.5 %	1.7 %	3.2 %	2.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0051 ppm	102.7731 %	102.0753 %	102.6338 %	101.7781 %	100.6565 %	101.3416 %
Concentration per Run	0.0051 ppm	102.6842 %	103.2566 %	103.7781 %	101.1987 %	101.0511 %	102.4516 %
Concentration per Run	0.0049 ppm	103.0616 %	101.7324 %	101.9606 %	102.1762 %	100.6862 %	100.5897 %
Concentration per Run	0.0054 ppm	102.5734 %	101.2368 %	102.1628 %	101.9594 %	100.2321 %	100.9835 %
Recovery Percentage	102.707 %						
Concentration RSD	5.0 %	0.2 %	1.0 %	1.0 %	0.5 %	0.4 %	1.0 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: ICSA
Analysis started at: 11/28/2025 6:33:20 AM
Comment LDR +/-10%
Rack Number 0
Vial Numbers 6

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0024 ppm	510.9139 [SIC 1000]	-0.0031 ppm	0.0039 ppm	0.0017 ppm	0.0000 ppm	468.5904 ppm
Concentration per Run	0.0021 ppm	513.4995 ppm	-0.0012 ppm	0.0034 ppm	0.0018 ppm	0.0000 ppm	470.5257 ppm
Concentration per Run	0.0032 ppm	511.7538 ppm	-0.0047 ppm	0.0049 ppm	0.0017 ppm	0.0000 ppm	469.8436 ppm
Concentration per Run	0.0019 ppm	507.4886 ppm	-0.0035 ppm	0.0034 ppm	0.0015 ppm	0.0000 ppm	465.4019 ppm
Recovery Percentage	34.431 %		-62.421 %	12.938 %	16.504 %	0.196 %	
Concentration RSD	28.0 %	0.6 %	55.9 %	22.1 %	8.3 %	117.3 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0007 ppm	0.0008 ppm	0.0007 ppm	0.0081 ppm	184.6944 ppm	0.0679 ppm	0.0174 ppm
Concentration per Run	0.0007 ppm	0.0003 ppm	0.0002 ppm	0.0083 ppm	185.7708 ppm	0.0718 ppm	0.0211 ppm
Concentration per Run	0.0009 ppm	0.0014 ppm	0.0006 ppm	0.0081 ppm	185.3779 ppm	0.0617 ppm	0.0217 ppm
Concentration per Run	0.0004 ppm	0.0007 ppm	0.0013 ppm	0.0080 ppm	182.9347 ppm	0.0704 ppm	0.0094 ppm
Recovery Percentage	13.496 %	3.940 %	6.914 %	81.154 %		2.718 %	348.130 %
Concentration RSD	38.5 %	68.0 %	78.1 %	2.0 %	0.8 %	8.1 %	39.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	492.3411 ppm	-0.0018 ppm	-0.0009 ppm	0.0248 ppm	0.0009 ppm	-0.0026 ppm	-0.0014 ppm
Concentration per Run	491.5951 ppm	-0.0018 ppm	-0.0005 ppm	0.0261 ppm	0.0002 ppm	-0.0005 ppm	0.0042 ppm
Concentration per Run	492.3629 ppm	-0.0017 ppm	-0.0009 ppm	0.0275 ppm	0.0012 ppm	-0.0064 ppm	-0.0085 ppm
Concentration per Run	493.0655 ppm	-0.0017 ppm	-0.0013 ppm	0.0209 ppm	0.0013 ppm	-0.0009 ppm	0.0002 ppm
Recovery Percentage		-17.624 %	-1.809 %	1.240 %	3.633 %	-25.965 %	-2.791 %
Concentration RSD	0.1 %	4.0 %	42.2 %	14.0 %	64.4 %	127.6 %	465.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0017 ppm	0.0135 ppm	0.0006 ppm	0.0052 ppm	0.0010 ppm	-0.0026 ppm	-0.0028 ppm
Concentration per Run	0.0016 ppm	0.0147 ppm	0.0021 ppm	0.0053 ppm	0.0008 ppm	0.0002 ppm	-0.0026 ppm
Concentration per Run	0.0054 ppm	0.0127 ppm	-0.0009 ppm	0.0053 ppm	0.0010 ppm	-0.0038 ppm	-0.0028 ppm
Concentration per Run	-0.0017 ppm	0.0131 ppm	0.0005 ppm	0.0051 ppm	0.0010 ppm	-0.0041 ppm	-0.0029 ppm
Recovery Percentage	17.263 %	2.698 %	1.111 %	52.431 %	9.642 %	-12.846 %	-27.694 %
Concentration RSD	206.1 %	7.9 %	278.3 %	1.9 %	12.2 %	92.6 %	5.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0016 ppm	89.6248 %	95.9621 %	79.2798 %	86.8156 %	95.0116 %	87.6424 %
Concentration per Run	0.0015 ppm	89.9007 %	95.5330 %	79.5181 %	87.0165 %	94.9447 %	88.0591 %
Concentration per Run	0.0016 ppm	89.7428 %	95.4593 %	79.2855 %	86.8487 %	94.6056 %	87.6037 %
Concentration per Run	0.0016 ppm	89.2309 %	96.8940 %	79.0360 %	86.5816 %	95.4846 %	87.2643 %
Recovery Percentage	31.220 %						
Concentration RSD	6.1 %	0.4 %	0.8 %	0.3 %	0.3 %	0.5 %	0.5 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: SIC Multi (B and Si contamination)
Analysis started at: 11/28/2025 6:35:29 AM
Comment LDR +/-10%
Rack Number 0
Vial Numbers 7

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0510 ppm	-0.0015 ppm	0.1179 ppm	0.0008 ppm	-0.0030 ppm	-0.0273 ppm
Concentration per Run	-0.0002 ppm	0.0495 ppm	-0.0023 ppm	0.1187 ppm	0.0007 ppm	-0.0033 ppm	-0.0192 ppm
Concentration per Run	0.0003 ppm	0.0590 ppm	-0.0004 ppm	0.1179 ppm	0.0009 ppm	-0.0031 ppm	-0.0318 ppm
Concentration per Run	-0.0004 ppm	0.0446 ppm	-0.0017 ppm	0.1169 ppm	0.0007 ppm	-0.0027 ppm	-0.0308 ppm
Recovery Percentage	-1.317 %	51.045 %	-29.702 %	392.902 %	7.553 %	-75.574 %	-27.259 %
Concentration RSD	374.8 %	14.3 %	64.9 %	0.8 %	14.5 %	10.2 %	25.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0030 ppm	21.5221 ppm	-0.0029 ppm	0.0231 ppm	0.0103 ppm	0.0016 ppm
Concentration per Run	-0.0001 ppm	0.0030 ppm	21.5005 ppm	-0.0028 ppm	0.0245 ppm	0.0179 ppm	0.0006 ppm
Concentration per Run	-0.0001 ppm	0.0030 ppm	21.6532 ppm	-0.0030 ppm	0.0226 ppm	0.0150 ppm	0.0021 ppm
Concentration per Run	0.0000 ppm	0.0031 ppm	21.4126 ppm	-0.0029 ppm	0.0221 ppm	-0.0020 ppm	0.0021 ppm
Recovery Percentage	-1.222 %	15.103 %	215,220.750 %	-28.903 %	46.108 %	0.413 %	31.903 %
Concentration RSD	154.8 %	1.4 %	0.6 %	4.0 %	5.5 %	104.0 %	51.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0214 ppm	21.2080 [SIC 80]	-0.0019 ppm	0.0882 ppm	0.0001 ppm	-0.0019 ppm	-0.0011 ppm
Concentration per Run	-0.0159 ppm	21.1461 ppm	-0.0021 ppm	0.0778 ppm	-0.0001 ppm	-0.0025 ppm	-0.0002 ppm
Concentration per Run	-0.0245 ppm	21.1547 ppm	-0.0019 ppm	0.0900 ppm	0.0007 ppm	-0.0020 ppm	-0.0009 ppm
Concentration per Run	-0.0237 ppm	21.3233 ppm	-0.0017 ppm	0.0969 ppm	-0.0004 ppm	-0.0012 ppm	-0.0022 ppm
Recovery Percentage	-21.381 %	212,080.247 %	-3.789 %	4.411 %	0.250 %	-19.009 %	-2.243 %
Concentration RSD	22.1 %	0.5 %	9.8 %	11.0 %	855.3 %	34.3 %	87.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0003 ppm	1.4212 ppm	0.0055 ppm	0.0000 ppm	20.2969 ppm	-0.0204 ppm	10.5029 [SIC xx]
Concentration per Run	0.0009 ppm	1.3570 ppm	0.0079 ppm	0.0000 ppm	20.3494 ppm	-0.0177 ppm	10.4977 ppm
Concentration per Run	-0.0030 ppm	1.4311 ppm	0.0040 ppm	0.0000 ppm	20.2440 ppm	-0.0229 ppm	10.5706 ppm
Concentration per Run	0.0031 ppm	1.4755 ppm	0.0047 ppm	0.0001 ppm	20.2972 ppm	-0.0205 ppm	10.4405 ppm
Recovery Percentage	3.399 %	284.237 %	11.039 %	0.422 %	202,968.766 %	-101.968 %	105,029.354 %
Concentration RSD	910.4 %	4.2 %	37.2 %	195.6 %	0.3 %	12.7 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0011 ppm	103.1939 %	102.4993 %	102.4035 %	101.3280 %	100.7818 %	101.0848 %
Concentration per Run	0.0009 ppm	103.8852 %	103.5170 %	103.0715 %	101.6288 %	101.7061 %	101.6485 %
Concentration per Run	0.0011 ppm	102.5940 %	102.3592 %	101.6752 %	101.1274 %	100.2444 %	100.4523 %
Concentration per Run	0.0011 ppm	103.1026 %	101.6216 %	102.4639 %	101.2277 %	100.3950 %	101.1536 %
Recovery Percentage	21.217 %						
Concentration RSD	9.7 %	0.6 %	0.9 %	0.7 %	0.3 %	0.8 %	0.6 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: LDR Check
Analysis started at: 11/28/2025 6:37:37 AM
Comment LDR +/-10%
Rack Number 0
Vial Numbers 8

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0006 ppm	-0.0158 ppm	5.6012 ppm	5.1683 [SIC 50]	9.9452 ppm	0.0002 ppm	0.0064 ppm
Concentration per Run	0.0009 ppm	-0.0176 ppm	5.5867 ppm	5.1626 ppm	9.9047 ppm	0.0002 ppm	0.0032 ppm
Concentration per Run	0.0009 ppm	-0.0149 ppm	5.6334 ppm	5.1811 ppm	9.9736 ppm	0.0002 ppm	0.0091 ppm
Concentration per Run	-0.0001 ppm	-0.0150 ppm	5.5836 ppm	5.1610 ppm	9.9572 ppm	0.0002 ppm	0.0069 ppm
Recovery Percentage			112.025 %	103.365 %	99.452 %		
Concentration RSD	96.1 %	9.8 %	0.5 %	0.2 %	0.4 %	10.7 %	46.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0004 ppm	-0.0047 ppm	0.0003 ppm	19.8449 ppm	0.0004 ppm	315.8813 ppm	5.0505 ppm
Concentration per Run	0.0004 ppm	-0.0044 ppm	0.0002 ppm	19.8413 ppm	-0.0006 ppm	312.5560 ppm	5.0055 ppm
Concentration per Run	0.0004 ppm	-0.0054 ppm	0.0003 ppm	19.8717 ppm	-0.0004 ppm	317.6408 ppm	5.1015 ppm
Concentration per Run	0.0003 ppm	-0.0044 ppm	0.0002 ppm	19.8217 ppm	0.0022 ppm	317.4470 ppm	5.0445 ppm
Recovery Percentage	0.000 %	0.000 %		99.225 %		105.294 %	
Concentration RSD	23.6 %	12.3 %	23.0 %	0.1 %	386.5 %	0.9 %	1.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0034 ppm	0.0011 ppm	5.2272 [SIC xx]	469.2175 ppm	10.3698 [SIC 100]	51.0451 ppm	0.0002 ppm
Concentration per Run	-0.0062 ppm	0.0010 ppm	5.2397 ppm	466.7067 ppm	10.3918 ppm	51.0588 ppm	0.0006 ppm
Concentration per Run	-0.0042 ppm	0.0012 ppm	5.2098 ppm	470.7309 ppm	10.3828 ppm	51.1552 ppm	0.0028 ppm
Concentration per Run	0.0000 ppm	0.0010 ppm	5.2321 ppm	470.2148 ppm	10.3349 ppm	50.9214 ppm	-0.0029 ppm
Recovery Percentage		0.000 %	104.544 %	93.843 %	103.698 %	102.090 %	0.000 %
Concentration RSD	91.8 %	13.3 %	0.3 %	0.5 %	0.3 %	0.2 %	1,497.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0008 ppm	21.4968 [SIC 100]	0.0013 ppm	0.0006 ppm	0.0171 ppm	0.0006 ppm	-0.0001 ppm
Concentration per Run	0.0038 ppm	21.4322 ppm	0.0016 ppm	0.0007 ppm	0.0195 ppm	0.0019 ppm	0.0003 ppm
Concentration per Run	-0.0006 ppm	21.5310 ppm	0.0019 ppm	0.0007 ppm	0.0168 ppm	-0.0001 ppm	-0.0005 ppm
Concentration per Run	-0.0009 ppm	21.5274 ppm	0.0003 ppm	0.0005 ppm	0.0149 ppm	-0.0001 ppm	-0.0001 ppm
Recovery Percentage	0.000 %	107.484 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	344.1 %	0.3 %	64.7 %	15.0 %	13.6 %	209.8 %	417.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	20.7769 [SIC 60]	90.3480 %	97.6483 %	85.8150 %	88.3747 %	95.3912 %	88.4069 %
Concentration per Run	20.8687 ppm	89.6838 %	97.7629 %	85.2174 %	87.7301 %	95.4057 %	87.7942 %
Concentration per Run	20.7317 ppm	90.0472 %	97.8132 %	86.3536 %	88.0347 %	95.8970 %	89.0744 %
Concentration per Run	20.7304 ppm	91.3130 %	97.3687 %	85.8739 %	89.3592 %	94.8710 %	88.3522 %
Recovery Percentage	103.885 %						
Concentration RSD	0.4 %	0.9 %	0.2 %	0.7 %	1.0 %	0.5 %	0.7 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: LLOQ .005ppm As
Analysis started at: 11/28/2025 6:52:13 AM
Comment <Comment>
Rack Number 1
Vial Numbers 1

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0059 ppm	0.0091 ppm	0.0057 ppm	0.0057 ppm	0.0054 ppm	0.0053 ppm	0.0002 ppm
Concentration per Run	0.0063 ppm	0.0061 ppm	0.0043 ppm	0.0059 ppm	0.0053 ppm	0.0053 ppm	0.0015 ppm
Concentration per Run	0.0056 ppm	0.0179 ppm	0.0070 ppm	0.0070 ppm	0.0054 ppm	0.0053 ppm	0.0040 ppm
Concentration per Run	0.0060 ppm	0.0032 ppm	0.0059 ppm	0.0043 ppm	0.0053 ppm	0.0053 ppm	-0.0048 ppm
Recovery Percentage	118.936 %	0.000 %	114.946 %	0.000 %	0.000 %	105.464 %	0.000 %
Concentration RSD	5.9 %	86.2 %	23.1 %	24.1 %	1.1 %	0.4 %	2,026.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0055 ppm	0.0053 ppm	0.0054 ppm	0.0057 ppm	0.0053 ppm	0.0490 ppm	0.0081 ppm
Concentration per Run	0.0055 ppm	0.0055 ppm	0.0057 ppm	0.0058 ppm	0.0078 ppm	0.0578 ppm	0.0089 ppm
Concentration per Run	0.0055 ppm	0.0052 ppm	0.0051 ppm	0.0057 ppm	0.0046 ppm	0.0445 ppm	0.0073 ppm
Concentration per Run	0.0054 ppm	0.0053 ppm	0.0054 ppm	0.0056 ppm	0.0034 ppm	0.0446 ppm	0.0080 ppm
Recovery Percentage	109.339 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	1.4 %	2.4 %	5.2 %	2.5 %	42.7 %	15.6 %	9.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0054 ppm	0.0053 ppm	0.0049 ppm	0.1124 ppm	0.0041 ppm	0.0045 ppm	0.0063 ppm
Concentration per Run	0.0060 ppm	0.0053 ppm	0.0047 ppm	0.1154 ppm	0.0042 ppm	0.0038 ppm	0.0079 ppm
Concentration per Run	0.0046 ppm	0.0055 ppm	0.0052 ppm	0.1092 ppm	0.0037 ppm	0.0053 ppm	0.0043 ppm
Concentration per Run	0.0055 ppm	0.0052 ppm	0.0049 ppm	0.1126 ppm	0.0043 ppm	0.0045 ppm	0.0066 ppm
Recovery Percentage	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	13.4 %	2.5 %	4.8 %	2.8 %	7.1 %	17.3 %	28.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0069 ppm	0.0564 ppm	0.0054 ppm	0.0054 ppm	0.0052 ppm	0.0062 ppm	0.0054 ppm
Concentration per Run	0.0053 ppm	0.0546 ppm	0.0056 ppm	0.0053 ppm	0.0055 ppm	0.0077 ppm	0.0057 ppm
Concentration per Run	0.0079 ppm	0.0563 ppm	0.0047 ppm	0.0054 ppm	0.0053 ppm	0.0064 ppm	0.0051 ppm
Concentration per Run	0.0075 ppm	0.0584 ppm	0.0060 ppm	0.0054 ppm	0.0047 ppm	0.0045 ppm	0.0053 ppm
Recovery Percentage	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	20.5 %	3.4 %	12.1 %	0.2 %	7.9 %	25.5 %	5.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0056 ppm	99.3721 %	99.6811 %	99.7331 %	100.5911 %	99.1541 %	99.6594 %
Concentration per Run	0.0055 ppm	99.4479 %	99.6232 %	99.4887 %	100.7194 %	98.7468 %	99.3590 %
Concentration per Run	0.0056 ppm	99.4860 %	100.3779 %	100.4614 %	100.3449 %	99.9530 %	100.2418 %
Concentration per Run	0.0056 ppm	99.1824 %	99.0424 %	99.2493 %	100.7091 %	98.7625 %	99.3773 %
Recovery Percentage	111.465 %						
Concentration RSD	1.3 %	0.2 %	0.7 %	0.6 %	0.2 %	0.7 %	0.5 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: LLOQ .01ppm Ni
Analysis started at: 11/28/2025 6:54:33 AM
Comment <Comment>
Rack Number 1
Vial Numbers 2

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0105 ppm	0.0187 ppm	0.0084 ppm	0.0115 ppm	0.0103 ppm	0.0100 ppm	0.0077 ppm
Concentration per Run	0.0099 ppm	0.0154 ppm	0.0078 ppm	0.0118 ppm	0.0103 ppm	0.0100 ppm	0.0083 ppm
Concentration per Run	0.0106 ppm	0.0191 ppm	0.0077 ppm	0.0111 ppm	0.0102 ppm	0.0100 ppm	0.0077 ppm
Concentration per Run	0.0109 ppm	0.0217 ppm	0.0097 ppm	0.0115 ppm	0.0104 ppm	0.0101 ppm	0.0071 ppm
Recovery Percentage	0.000 %	0.000 %	83.903 %	114.899 %	102.627 %	0.000 %	0.000 %
Concentration RSD	4.8 %	16.8 %	13.3 %	3.0 %	1.2 %	0.5 %	8.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0105 ppm	0.0104 ppm	0.0104 ppm	0.0105 ppm	0.0092 ppm	0.1143 ppm	**0.0133 ppm**
Concentration per Run	0.0105 ppm	0.0101 ppm	0.0102 ppm	0.0107 ppm	0.0100 ppm	0.1126 ppm	0.0136 ppm
Concentration per Run	0.0105 ppm	0.0103 ppm	0.0103 ppm	0.0108 ppm	0.0091 ppm	0.1112 ppm	0.0132 ppm
Concentration per Run	0.0106 ppm	0.0108 ppm	0.0107 ppm	0.0101 ppm	0.0085 ppm	0.1191 ppm	0.0132 ppm
Recovery Percentage	0.000 %	104.139 %	104.150 %	105.317 %	0.000 %	0.000 %	133.045 %
Concentration RSD	0.9 %	3.4 %	2.3 %	3.6 %	8.1 %	3.7 %	**1.8 %**

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0116 ppm	0.0103 ppm	0.0097 ppm	0.2103 ppm	0.0101 ppm	0.0095 ppm	0.0137 ppm
Concentration per Run	0.0091 ppm	0.0106 ppm	0.0100 ppm	0.2115 ppm	0.0098 ppm	0.0090 ppm	0.0126 ppm
Concentration per Run	0.0145 ppm	0.0101 ppm	0.0095 ppm	0.2112 ppm	0.0098 ppm	0.0087 ppm	0.0152 ppm
Concentration per Run	0.0112 ppm	0.0103 ppm	0.0098 ppm	0.2080 ppm	0.0106 ppm	0.0108 ppm	0.0132 ppm
Recovery Percentage	0.000 %	103.413 %	97.491 %	0.000 %	100.861 %	94.961 %	0.000 %
Concentration RSD	23.6 %	2.7 %	2.2 %	0.9 %	4.5 %	11.8 %	10.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	**0.0125 ppm**	0.1091 ppm	0.0103 ppm	0.0100 ppm	0.0100 ppm	0.0106 ppm	0.0104 ppm
Concentration per Run	0.0102 ppm	0.1063 ppm	0.0104 ppm	0.0099 ppm	0.0103 ppm	0.0104 ppm	0.0104 ppm
Concentration per Run	0.0135 ppm	0.1096 ppm	0.0105 ppm	0.0101 ppm	0.0097 ppm	0.0105 ppm	0.0105 ppm
Concentration per Run	0.0137 ppm	0.1114 ppm	0.0100 ppm	0.0101 ppm	0.0099 ppm	0.0108 ppm	0.0102 ppm
Recovery Percentage	124.730 %	0.000 %	103.269 %	100.227 %	99.809 %	105.739 %	103.793 %
Concentration RSD	**15.5 %**	2.3 %	2.5 %	0.7 %	2.9 %	2.1 %	1.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0106 ppm	99.3408 %	99.7581 %	101.3977 %	100.3993 %	98.6944 %	100.8419 %
Concentration per Run	0.0108 ppm	98.5323 %	99.4933 %	101.9471 %	99.8912 %	98.4181 %	101.3259 %
Concentration per Run	0.0105 ppm	100.4641 %	99.2298 %	101.6825 %	101.2788 %	98.0990 %	100.9254 %
Concentration per Run	0.0104 ppm	99.0259 %	100.5511 %	100.5633 %	100.0278 %	99.5660 %	100.2743 %
Recovery Percentage	105.817 %						
Concentration RSD	2.0 %	1.0 %	0.7 %	0.7 %	0.8 %	0.8 %	0.5 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: zLLOQ .05ppm
Analysis started at: 11/28/2025 6:56:42 AM
Comment <Comment>
Rack Number 1
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0521 ppm	0.0525 ppm	0.0475 ppm	0.0506 ppm	0.0514 ppm	0.0511 ppm	0.0452 ppm
Concentration per Run	0.0522 ppm	0.0563 ppm	0.0475 ppm	0.0512 ppm	0.0513 ppm	0.0513 ppm	0.0464 ppm
Concentration per Run	0.0518 ppm	0.0508 ppm	0.0470 ppm	0.0508 ppm	0.0514 ppm	0.0514 ppm	0.0429 ppm
Concentration per Run	0.0523 ppm	0.0505 ppm	0.0479 ppm	0.0500 ppm	0.0514 ppm	0.0507 ppm	0.0464 ppm
Recovery Percentage	0.000 %	105.045 %	0.000 %	0.000 %	0.000 %	0.000 %	90.394 %
Concentration RSD	0.5 %	6.3 %	0.9 %	1.2 %	0.1 %	0.7 %	4.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0519 ppm	0.0524 ppm	0.0520 ppm	0.0533 ppm	0.0508 ppm	**0.5260 ppm**	0.0572 ppm
Concentration per Run	0.0516 ppm	0.0527 ppm	0.0516 ppm	0.0535 ppm	0.0510 ppm	0.5562 ppm	0.0565 ppm
Concentration per Run	0.0518 ppm	0.0523 ppm	0.0517 ppm	0.0531 ppm	0.0493 ppm	0.5078 ppm	0.0582 ppm
Concentration per Run	0.0524 ppm	0.0522 ppm	0.0526 ppm	0.0533 ppm	0.0522 ppm	0.5139 ppm	0.0570 ppm
Recovery Percentage	0.000 %	0.000 %	0.000 %	0.000 %	101.674 %	21.038 %	0.000 %
Concentration RSD	0.9 %	0.5 %	1.0 %	0.4 %	2.8 %	**5.0 %**	1.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0519 ppm	0.0521 ppm	0.0490 ppm	1.0451 ppm	0.0523 ppm	0.0514 ppm	0.0526 ppm
Concentration per Run	0.0507 ppm	0.0523 ppm	0.0486 ppm	1.0414 ppm	0.0531 ppm	0.0526 ppm	0.0525 ppm
Concentration per Run	0.0535 ppm	0.0522 ppm	0.0491 ppm	1.0577 ppm	0.0525 ppm	0.0507 ppm	0.0478 ppm
Concentration per Run	0.0516 ppm	0.0518 ppm	0.0494 ppm	1.0363 ppm	0.0513 ppm	0.0511 ppm	0.0576 ppm
Recovery Percentage	103.881 %	0.000 %	0.000 %	104.510 %	0.000 %	0.000 %	105.270 %
Concentration RSD	2.7 %	0.5 %	0.8 %	1.1 %	1.8 %	1.9 %	9.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0528 ppm	0.5388 ppm	0.0513 ppm	0.0507 ppm	0.0500 ppm	**0.0534 ppm**	0.0514 ppm
Concentration per Run	0.0531 ppm	0.5335 ppm	0.0516 ppm	0.0506 ppm	0.0500 ppm	0.0524 ppm	0.0508 ppm
Concentration per Run	0.0544 ppm	0.5422 ppm	0.0515 ppm	0.0510 ppm	0.0500 ppm	0.0543 ppm	0.0517 ppm
Concentration per Run	0.0510 ppm	0.5406 ppm	0.0508 ppm	0.0504 ppm	0.0499 ppm	0.0534 ppm	0.0517 ppm
Recovery Percentage	0.000 %	107.754 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	3.3 %	0.9 %	0.8 %	0.6 %	0.0 %	1.8 %	1.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0515 ppm	101.8917 %	100.6560 %	102.1489 %	101.2558 %	99.2072 %	100.6101 %
Concentration per Run	0.0514 ppm	102.6316 %	100.5639 %	101.5588 %	101.8360 %	99.4133 %	99.8716 %
Concentration per Run	0.0512 ppm	101.8439 %	99.9225 %	102.1029 %	101.2560 %	98.5479 %	100.7379 %
Concentration per Run	0.0519 ppm	101.1996 %	101.4815 %	102.7851 %	100.6755 %	99.6603 %	101.2207 %
Recovery Percentage	102.984 %						
Concentration RSD	0.7 %	0.7 %	0.8 %	0.6 %	0.6 %	0.6 %	0.7 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: LDR 5 As Pass
Analysis started at: 11/28/2025 6:58:51 AM
Comment <Comment>
Rack Number 1
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0004 ppm	0.0103 ppm	4.9783 ppm	0.0004 ppm	0.0002 ppm	0.0000 ppm	-0.0035 ppm
Concentration per Run	-0.0006 ppm	0.0134 ppm	4.9602 ppm	0.0002 ppm	0.0003 ppm	0.0000 ppm	-0.0038 ppm
Concentration per Run	-0.0005 ppm	0.0063 ppm	4.9942 ppm	0.0014 ppm	0.0000 ppm	0.0000 ppm	-0.0041 ppm
Concentration per Run	-0.0003 ppm	0.0111 ppm	4.9804 ppm	-0.0005 ppm	0.0002 ppm	0.0000 ppm	-0.0025 ppm
Concentration RSD	35.2 %	35.3 %	0.3 %	238.4 %	70.9 %	241.1 %	24.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	-0.0003 ppm	-0.0003 ppm	0.0010 ppm	-0.0228 ppm	0.0009 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	-0.0006 ppm	-0.0004 ppm	-0.0001 ppm	-0.0239 ppm	0.0008 ppm
Concentration per Run	-0.0001 ppm	0.0000 ppm	0.0000 ppm	-0.0005 ppm	0.0022 ppm	-0.0284 ppm	0.0006 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	-0.0003 ppm	-0.0001 ppm	0.0008 ppm	-0.0160 ppm	0.0013 ppm
Concentration RSD	286.2 %	113.6 %	98.9 %	73.3 %	124.7 %	27.5 %	36.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0006 ppm	0.0000 ppm	-0.0002 ppm	-0.0051 ppm	-0.0005 ppm	-0.0007 ppm	-0.0032 ppm
Concentration per Run	0.0010 ppm	0.0001 ppm	-0.0002 ppm	-0.0034 ppm	-0.0004 ppm	-0.0006 ppm	-0.0044 ppm
Concentration per Run	0.0010 ppm	-0.0001 ppm	-0.0003 ppm	-0.0044 ppm	-0.0007 ppm	-0.0013 ppm	-0.0025 ppm
Concentration per Run	-0.0001 ppm	0.0000 ppm	-0.0001 ppm	-0.0075 ppm	-0.0003 ppm	-0.0003 ppm	-0.0029 ppm
Concentration RSD	93.5 %	437.2 %	65.3 %	42.7 %	45.1 %	67.1 %	31.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0004 ppm	-0.0001 ppm	0.0005 ppm	0.0001 ppm	-0.0001 ppm	0.0006 ppm	-0.0001 ppm
Concentration per Run	0.0010 ppm	-0.0001 ppm	0.0007 ppm	0.0001 ppm	-0.0001 ppm	0.0001 ppm	-0.0004 ppm
Concentration per Run	-0.0006 ppm	-0.0008 ppm	0.0003 ppm	0.0000 ppm	-0.0003 ppm	0.0019 ppm	-0.0002 ppm
Concentration per Run	0.0007 ppm	0.0005 ppm	0.0006 ppm	0.0002 ppm	0.0002 ppm	-0.0001 ppm	0.0001 ppm
Concentration RSD	207.9 %	726.0 %	42.6 %	125.9 %	441.0 %	174.9 %	148.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0003 ppm	101.6228 %	100.7834 %	102.5728 %	100.9661 %	99.1009 %	100.8462 %
Concentration per Run	0.0005 ppm	100.8357 %	100.6086 %	102.4385 %	100.3831 %	98.9832 %	100.6779 %
Concentration per Run	0.0000 ppm	101.7700 %	100.7239 %	102.9945 %	100.8690 %	99.4216 %	101.3771 %
Concentration per Run	0.0003 ppm	102.2626 %	101.0177 %	102.2853 %	101.6462 %	98.8978 %	100.4836 %
Concentration RSD	80.1 %	0.7 %	0.2 %	0.4 %	0.6 %	0.3 %	0.5 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: LDR 10 Sb Pass
Analysis started at: 11/28/2025 7:01:00 AM
Comment <Comment>
Rack Number 1
Vial Numbers 5

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	0.0003 ppm	-0.0014 ppm	0.0005 ppm	0.0002 ppm	0.0000 ppm	-0.0005 ppm
Concentration per Run	-0.0004 ppm	-0.0061 ppm	-0.0006 ppm	-0.0004 ppm	0.0003 ppm	0.0000 ppm	0.0011 ppm
Concentration per Run	0.0002 ppm	0.0094 ppm	-0.0005 ppm	0.0017 ppm	0.0003 ppm	0.0000 ppm	0.0018 ppm
Concentration per Run	0.0007 ppm	-0.0025 ppm	-0.0031 ppm	0.0003 ppm	0.0001 ppm	0.0000 ppm	-0.0044 ppm
Concentration RSD	334.9 %	2,996.7 %	108.4 %	212.2 %	35.9 %	45.5 %	682.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0000 ppm	-0.0002 ppm	-0.0001 ppm	0.0001 ppm	-0.0085 ppm	0.0004 ppm
Concentration per Run	-0.0001 ppm	-0.0002 ppm	-0.0004 ppm	-0.0001 ppm	-0.0012 ppm	-0.0050 ppm	-0.0020 ppm
Concentration per Run	0.0000 ppm	0.0004 ppm	0.0000 ppm	-0.0001 ppm	0.0012 ppm	-0.0102 ppm	0.0004 ppm
Concentration per Run	0.0000 ppm	-0.0002 ppm	-0.0003 ppm	0.0000 ppm	0.0002 ppm	-0.0103 ppm	0.0029 ppm
Concentration RSD	37.7 %	1,041.6 %	103.0 %	70.3 %	2,008.2 %	35.5 %	558.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0006 ppm	0.0001 ppm	-0.0003 ppm	-0.0010 ppm	-0.0001 ppm	-0.0014 ppm	**10.2179 ppm**
Concentration per Run	-0.0030 ppm	0.0001 ppm	-0.0001 ppm	-0.0056 ppm	-0.0008 ppm	-0.0012 ppm	10.1954 ppm
Concentration per Run	-0.0018 ppm	0.0001 ppm	-0.0007 ppm	0.0000 ppm	0.0006 ppm	-0.0007 ppm	10.2650 ppm
Concentration per Run	0.0029 ppm	0.0001 ppm	-0.0002 ppm	0.0026 ppm	-0.0002 ppm	-0.0022 ppm	10.1934 ppm
Concentration RSD	502.6 %	29.2 %	97.2 %	417.1 %	501.2 %	57.5 %	0.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0039 ppm	0.0004 ppm	-0.0007 ppm	0.0001 ppm	-0.0001 ppm	0.0011 ppm	-0.0001 ppm
Concentration per Run	0.0014 ppm	-0.0012 ppm	-0.0013 ppm	0.0002 ppm	-0.0003 ppm	0.0015 ppm	0.0000 ppm
Concentration per Run	0.0043 ppm	0.0019 ppm	-0.0002 ppm	0.0001 ppm	0.0005 ppm	0.0013 ppm	-0.0001 ppm
Concentration per Run	0.0059 ppm	0.0004 ppm	-0.0008 ppm	-0.0001 ppm	-0.0003 ppm	0.0005 ppm	0.0000 ppm
Concentration RSD	59.6 %	420.2 %	74.9 %	138.3 %	604.6 %	51.7 %	115.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0001 ppm	102.4169 %	101.5360 %	102.5473 %	101.4927 %	99.5382 %	100.8328 %
Concentration per Run	0.0000 ppm	101.7934 %	100.5285 %	102.1024 %	101.0625 %	98.7314 %	100.2682 %
Concentration per Run	0.0002 ppm	103.3280 %	101.2350 %	102.9200 %	101.9274 %	99.2931 %	101.3742 %
Concentration per Run	0.0001 ppm	102.1294 %	102.8445 %	102.6195 %	101.4883 %	100.5901 %	100.8559 %
Concentration RSD	99.5 %	0.8 %	1.2 %	0.4 %	0.4 %	1.0 %	0.5 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: CCV
Analysis started at: 11/28/2025 7:05:08 AM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5056 ppm	0.4789 ppm	0.4793 ppm	0.4939 ppm	0.4960 ppm	0.5038 ppm	0.4903 ppm
Concentration per Run	0.5018 ppm	0.4746 ppm	0.4759 ppm	0.4901 ppm	0.4951 ppm	0.5025 ppm	0.4833 ppm
Concentration per Run	0.5072 ppm	0.4937 ppm	0.4831 ppm	0.4963 ppm	0.5010 ppm	0.5065 ppm	0.4967 ppm
Concentration per Run	0.5079 ppm	0.4685 ppm	0.4789 ppm	0.4954 ppm	0.4919 ppm	0.5024 ppm	0.4908 ppm
Recovery Percentage	101.127 %	95.786 %	95.858 %	98.786 %	99.201 %	100.759 %	98.054 %
Concentration RSD	0.7 %	2.7 %	0.7 %	0.7 %	0.9 %	0.5 %	1.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5147 ppm	0.5126 ppm	0.5110 ppm	0.5198 ppm	0.4964 ppm	5.1383 ppm	0.5220 ppm
Concentration per Run	0.5102 ppm	0.5108 ppm	0.5058 ppm	0.5156 ppm	0.4937 ppm	5.1491 ppm	0.5221 ppm
Concentration per Run	0.5163 ppm	0.5134 ppm	0.5121 ppm	0.5228 ppm	0.5013 ppm	5.1954 ppm	0.5363 ppm
Concentration per Run	0.5175 ppm	0.5136 ppm	0.5151 ppm	0.5210 ppm	0.4940 ppm	5.0703 ppm	0.5076 ppm
Recovery Percentage	102.935 %	102.517 %	102.202 %	103.957 %	99.271 %	102.766 %	104.399 %
Concentration RSD	0.8 %	0.3 %	0.9 %	0.7 %	0.9 %	1.2 %	2.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5001 ppm	0.5053 ppm	0.4908 ppm	10.0831 ppm	0.5145 ppm	0.4965 ppm	0.5185 ppm
Concentration per Run	0.4997 ppm	0.5053 ppm	0.4872 ppm	10.0759 ppm	0.5124 ppm	0.4953 ppm	0.5126 ppm
Concentration per Run	0.5023 ppm	0.5094 ppm	0.4928 ppm	10.1599 ppm	0.5169 ppm	0.4983 ppm	0.5235 ppm
Concentration per Run	0.4982 ppm	0.5011 ppm	0.4924 ppm	10.0135 ppm	0.5143 ppm	0.4959 ppm	0.5195 ppm
Recovery Percentage	100.016 %	101.055 %	98.157 %	100.831 %	102.905 %	99.302 %	103.705 %
Concentration RSD	0.4 %	0.8 %	0.6 %	0.7 %	0.4 %	0.3 %	1.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4800 ppm	5.3977 ppm	0.4951 ppm	0.4907 ppm	0.4966 ppm	0.5047 ppm	0.5111 ppm
Concentration per Run	0.4767 ppm	5.3401 ppm	0.4904 ppm	0.4894 ppm	0.4969 ppm	0.5032 ppm	0.5080 ppm
Concentration per Run	0.4815 ppm	5.4191 ppm	0.4973 ppm	0.4954 ppm	0.4954 ppm	0.5067 ppm	0.5138 ppm
Concentration per Run	0.4818 ppm	5.4339 ppm	0.4977 ppm	0.4874 ppm	0.4974 ppm	0.5041 ppm	0.5115 ppm
Recovery Percentage	95.997 %	102.813 %	99.028 %	98.140 %	99.312 %	100.935 %	102.217 %
Concentration RSD	0.6 %	0.9 %	0.8 %	0.9 %	0.2 %	0.4 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5116 ppm	100.9961 %	100.2383 %	100.0858 %	99.1509 %	98.0953 %	98.9406 %
Concentration per Run	0.5074 ppm	101.3999 %	100.7582 %	100.6594 %	99.0584 %	98.7926 %	99.6575 %
Concentration per Run	0.5132 ppm	100.4938 %	99.3159 %	99.6422 %	99.0302 %	97.6588 %	98.5579 %
Concentration per Run	0.5141 ppm	101.0946 %	100.6407 %	99.9558 %	99.3642 %	97.8346 %	98.6064 %
Recovery Percentage	102.316 %						
Concentration RSD	0.7 %	0.5 %	0.8 %	0.5 %	0.2 %	0.6 %	0.6 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: CCB
Analysis started at: 11/28/2025 7:07:17 AM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	0.0133 ppm	-0.0008 ppm	-0.0002 ppm	0.0001 ppm	0.0000 ppm	-0.0006 ppm
Concentration per Run	0.0004 ppm	0.0099 ppm	0.0014 ppm	-0.0005 ppm	0.0001 ppm	0.0000 ppm	-0.0022 ppm
Concentration per Run	-0.0003 ppm	0.0119 ppm	0.0007 ppm	-0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0008 ppm
Concentration per Run	0.0003 ppm	0.0182 ppm	-0.0044 ppm	0.0003 ppm	0.0001 ppm	0.0000 ppm	-0.0004 ppm
Recovery Percentage	1.900 %	13.319 %	-15.306 %	-0.536 %	0.954 %	0.507 %	-0.599 %
Concentration RSD	307.9 %	32.4 %	417.8 %	236.7 %	55.4 %	123.2 %	255.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0014 ppm	-0.0103 ppm	0.0015 ppm
Concentration per Run	-0.0001 ppm	0.0005 ppm	0.0003 ppm	-0.0001 ppm	-0.0012 ppm	-0.0083 ppm	-0.0007 ppm
Concentration per Run	0.0000 ppm	-0.0003 ppm	0.0001 ppm	-0.0001 ppm	-0.0015 ppm	-0.0120 ppm	0.0029 ppm
Concentration per Run	0.0001 ppm	-0.0006 ppm	-0.0002 ppm	0.0006 ppm	-0.0016 ppm	-0.0106 ppm	0.0023 ppm
Recovery Percentage	-0.290 %	-0.735 %	0.713 %	1.459 %	-2.876 %	-0.412 %	30.280 %
Concentration RSD	805.1 %	399.4 %	355.7 %	250.7 %	15.9 %	18.5 %	125.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0005 ppm	0.0003 ppm	0.0003 ppm	0.0020 ppm	-0.0007 ppm	-0.0007 ppm	0.0015 ppm
Concentration per Run	0.0005 ppm	0.0006 ppm	0.0005 ppm	0.0068 ppm	-0.0006 ppm	-0.0003 ppm	0.0005 ppm
Concentration per Run	-0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0087 ppm	-0.0003 ppm	-0.0019 ppm	0.0006 ppm
Concentration per Run	0.0015 ppm	0.0003 ppm	0.0004 ppm	-0.0094 ppm	-0.0011 ppm	0.0002 ppm	0.0033 ppm
Recovery Percentage	0.514 %	2.717 %	0.542 %	0.102 %	-2.730 %	-6.978 %	2.951 %
Concentration RSD	181.5 %	112.5 %	100.3 %	487.1 %	53.9 %	157.5 %	108.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0018 ppm	-0.0012 ppm	0.0008 ppm	0.0001 ppm	-0.0001 ppm	0.0014 ppm	-0.0002 ppm
Concentration per Run	0.0011 ppm	0.0006 ppm	0.0006 ppm	-0.0001 ppm	-0.0002 ppm	0.0014 ppm	-0.0002 ppm
Concentration per Run	0.0018 ppm	-0.0030 ppm	0.0008 ppm	0.0001 ppm	0.0001 ppm	0.0024 ppm	-0.0003 ppm
Concentration per Run	0.0026 ppm	-0.0014 ppm	0.0010 ppm	0.0002 ppm	-0.0002 ppm	0.0004 ppm	0.0000 ppm
Recovery Percentage	18.279 %	-0.246 %	1.609 %	0.924 %	-1.254 %	6.974 %	-1.655 %
Concentration RSD	42.2 %	146.4 %	28.6 %	165.8 %	146.4 %	70.3 %	106.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0003 ppm	98.4690 %	97.6658 %	98.6485 %	98.8232 %	97.7589 %	98.4264 %
Concentration per Run	0.0004 ppm	98.5973 %	97.4801 %	98.9498 %	98.3096 %	97.7144 %	98.8841 %
Concentration per Run	0.0000 ppm	98.2747 %	97.3678 %	97.8782 %	98.6287 %	97.8507 %	97.7363 %
Concentration per Run	0.0004 ppm	98.5350 %	98.1495 %	99.1174 %	99.5314 %	97.7117 %	98.6587 %
Recovery Percentage	5.541 %						
Concentration RSD	87.3 %	0.2 %	0.4 %	0.7 %	0.6 %	0.1 %	0.6 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2146092-1 WG2146092
Analysis started at: 11/28/2025 7:19:52 AM
Comment <Comment>
Rack Number 1
Vial Numbers 6

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0086 ppm	-0.0008 ppm	0.0012 ppm	0.0002 ppm	0.0000 ppm	0.0049 ppm
Concentration per Run	-0.0001 ppm	0.0003 ppm	-0.0019 ppm	0.0014 ppm	0.0002 ppm	0.0000 ppm	0.0052 ppm
Concentration per Run	0.0001 ppm	0.0221 ppm	-0.0017 ppm	0.0011 ppm	0.0002 ppm	0.0001 ppm	0.0012 ppm
Concentration per Run	0.0001 ppm	0.0034 ppm	0.0013 ppm	0.0013 ppm	0.0002 ppm	0.0001 ppm	0.0081 ppm
Recovery Percentage	0.376 %	8.604 %	-15.568 %	4.129 %	1.946 %	1.099 %	4.851 %
Concentration RSD	432.6 %	136.8 %	228.0 %	13.3 %	18.7 %	117.5 %	71.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0001 ppm	0.0001 ppm	0.0006 ppm	0.0152 ppm	-0.0068 ppm	0.0007 ppm
Concentration per Run	0.0000 ppm	-0.0007 ppm	-0.0001 ppm	0.0002 ppm	0.0138 ppm	-0.0138 ppm	-0.0012 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	0.0000 ppm	0.0009 ppm	0.0146 ppm	-0.0173 ppm	0.0026 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0006 ppm	0.0172 ppm	0.0105 ppm	0.0006 ppm
Recovery Percentage	1.602 %	-0.500 %	0.927 %	5.671 %	30.386 %	-0.274 %	13.489 %
Concentration RSD	49.3 %	510.3 %	228.8 %	60.9 %	11.6 %	221.5 %	278.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0054 ppm	0.0002 ppm	-0.0004 ppm	0.0007 ppm	-0.0003 ppm	-0.0015 ppm	0.0021 ppm
Concentration per Run	0.0055 ppm	0.0001 ppm	0.0000 ppm	0.0018 ppm	0.0000 ppm	-0.0016 ppm	-0.0017 ppm
Concentration per Run	0.0056 ppm	0.0003 ppm	-0.0006 ppm	-0.0067 ppm	-0.0004 ppm	-0.0011 ppm	-0.0016 ppm
Concentration per Run	0.0052 ppm	0.0002 ppm	-0.0007 ppm	0.0071 ppm	-0.0004 ppm	-0.0018 ppm	0.0096 ppm
Recovery Percentage	5.435 %	1.954 %	-0.845 %	0.036 %	-1.100 %	-14.906 %	4.139 %
Concentration RSD	3.1 %	30.2 %	83.3 %	965.9 %	78.8 %	23.4 %	313.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0018 ppm	0.0096 ppm	0.0101 ppm	0.0001 ppm	0.0001 ppm	-0.0009 ppm	-0.0003 ppm
Concentration per Run	0.0022 ppm	0.0094 ppm	0.0107 ppm	0.0002 ppm	-0.0005 ppm	-0.0010 ppm	0.0000 ppm
Concentration per Run	0.0018 ppm	0.0082 ppm	0.0096 ppm	0.0001 ppm	0.0007 ppm	-0.0006 ppm	-0.0004 ppm
Concentration per Run	0.0015 ppm	0.0114 ppm	0.0099 ppm	0.0000 ppm	0.0001 ppm	-0.0011 ppm	-0.0005 ppm
Recovery Percentage	18.339 %	1.926 %	20.169 %	1.002 %	0.970 %	-4.570 %	-3.111 %
Concentration RSD	20.7 %	16.7 %	5.4 %	77.0 %	598.1 %	27.6 %	85.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0012 ppm	100.4109 %	99.8398 %	99.7188 %	100.8174 %	98.8398 %	100.3701 %
Concentration per Run	0.0014 ppm	100.7779 %	100.5736 %	100.0661 %	101.0691 %	99.1326 %	100.5833 %
Concentration per Run	0.0011 ppm	100.8643 %	99.7228 %	99.5084 %	101.0152 %	98.8414 %	100.0620 %
Concentration per Run	0.0011 ppm	99.5906 %	99.2231 %	99.5820 %	100.3680 %	98.5454 %	100.4650 %
Recovery Percentage	24.150 %						
Concentration RSD	14.0 %	0.7 %	0.7 %	0.3 %	0.4 %	0.3 %	0.3 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: WG2146092-2D2 WG2146092
Analysis started at: 11/28/2025 7:22:07 AM
Comment <Comment>
Rack Number 1
Vial Numbers 7

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0515 ppm	2.1250 ppm	0.1225 ppm	0.9948 ppm	2.0939 ppm	0.0532 ppm	10.2436 ppm
Concentration per Run	0.0511 ppm	2.1325 ppm	0.1210 ppm	0.9898 ppm	2.1056 ppm	0.0535 ppm	10.3003 ppm
Concentration per Run	0.0517 ppm	2.1351 ppm	0.1241 ppm	0.9952 ppm	2.0957 ppm	0.0533 ppm	10.2335 ppm
Concentration per Run	0.0517 ppm	2.1073 ppm	0.1223 ppm	0.9993 ppm	2.0805 ppm	0.0528 ppm	10.1968 ppm
Concentration RSD	0.6 %	0.7 %	1.2 %	0.5 %	0.6 %	0.7 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0554 ppm	0.5178 ppm	0.2110 ppm	0.2668 ppm	1.0562 ppm	10.3025 ppm	0.0031 ppm
Concentration per Run	0.0552 ppm	0.5165 ppm	0.2100 ppm	0.2661 ppm	1.0659 ppm	10.3681 ppm	0.0031 ppm
Concentration per Run	0.0554 ppm	0.5172 ppm	0.2114 ppm	0.2665 ppm	1.0582 ppm	10.2904 ppm	0.0032 ppm
Concentration per Run	0.0557 ppm	0.5199 ppm	0.2114 ppm	0.2678 ppm	1.0445 ppm	10.2489 ppm	0.0029 ppm
Concentration RSD	0.5 %	0.3 %	0.4 %	0.3 %	1.0 %	0.6 %	6.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	10.1012 ppm	0.5242 ppm	0.9880 ppm	10.4736 ppm	0.5238 ppm	0.5388 ppm	0.5179 ppm
Concentration per Run	10.0559 ppm	0.5281 ppm	0.9857 ppm	10.5202 ppm	0.5236 ppm	0.5419 ppm	0.5181 ppm
Concentration per Run	10.0560 ppm	0.5232 ppm	0.9851 ppm	10.4334 ppm	0.5237 ppm	0.5379 ppm	0.5150 ppm
Concentration per Run	10.1918 ppm	0.5215 ppm	0.9932 ppm	10.4672 ppm	0.5242 ppm	0.5366 ppm	0.5205 ppm
Concentration RSD	0.8 %	0.7 %	0.5 %	0.4 %	0.1 %	0.5 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1212 ppm	1.5058 ppm	0.8080 ppm	0.9654 ppm	0.9956 ppm	0.1229 ppm	0.5382 ppm
Concentration per Run	0.1252 ppm	1.5013 ppm	0.8088 ppm	0.9717 ppm	0.9895 ppm	0.1206 ppm	0.5378 ppm
Concentration per Run	0.1173 ppm	1.5013 ppm	0.8014 ppm	0.9662 ppm	0.9950 ppm	0.1239 ppm	0.5367 ppm
Concentration per Run	0.1210 ppm	1.5148 ppm	0.8137 ppm	0.9584 ppm	1.0025 ppm	0.1242 ppm	0.5399 ppm
Concentration RSD	3.3 %	0.5 %	0.8 %	0.7 %	0.7 %	1.6 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5241 ppm	99.3465 %	99.3611 %	97.1359 %	98.4450 %	97.5869 %	97.2578 %
Concentration per Run	0.5228 ppm	99.1523 %	98.6618 %	96.7090 %	97.8301 %	97.5596 %	97.0503 %
Concentration per Run	0.5244 ppm	99.6324 %	99.0853 %	97.3860 %	98.8669 %	97.3983 %	97.4490 %
Concentration per Run	0.5250 ppm	99.2547 %	100.3363 %	97.3127 %	98.6381 %	97.8028 %	97.2742 %
Concentration RSD	0.2 %	0.3 %	0.9 %	0.4 %	0.6 %	0.2 %	0.2 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574897-01D2 WG2146092
Analysis started at: 11/28/2025 7:24:16 AM
Comment
Rack Number 1
Vial Numbers 18

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0006 ppm	66.7867 ppm	0.0627 ppm	0.0316 ppm	0.8222 ppm	0.0036 ppm	37.3997 ppm
Concentration per Run	0.0003 ppm	66.9250 ppm	0.0616 ppm	0.0309 ppm	0.8220 ppm	0.0037 ppm	37.4122 ppm
Concentration per Run	0.0003 ppm	66.6920 ppm	0.0644 ppm	0.0322 ppm	0.8241 ppm	0.0036 ppm	37.2897 ppm
Concentration per Run	0.0012 ppm	66.7430 ppm	0.0622 ppm	0.0318 ppm	0.8204 ppm	0.0036 ppm	37.4973 ppm
Concentration RSD	80.4 %	0.2 %	2.3 %	2.1 %	0.2 %	0.7 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0036 ppm	0.0684 ppm	0.1341 ppm	0.1905 ppm	157.0859 ppm	4.9011 ppm	0.1643 ppm
Concentration per Run	0.0034 ppm	0.0690 ppm	0.1348 ppm	0.1913 ppm	157.1228 ppm	4.9156 ppm	0.1648 ppm
Concentration per Run	0.0037 ppm	0.0682 ppm	0.1347 ppm	0.1907 ppm	157.0256 ppm	4.8848 ppm	0.1648 ppm
Concentration per Run	0.0036 ppm	0.0680 ppm	0.1329 ppm	0.1896 ppm	157.1094 ppm	4.9029 ppm	0.1633 ppm
Concentration RSD	4.0 %	0.7 %	0.8 %	0.4 %	0.0 %	0.3 %	0.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	27.6598 ppm	4.7684 ppm	0.0064 ppm	1.4874 ppm	0.1512 ppm	0.2944 ppm	0.0037 ppm
Concentration per Run	27.6525 ppm	4.7748 ppm	0.0065 ppm	1.4904 ppm	0.1517 ppm	0.2945 ppm	0.0049 ppm
Concentration per Run	27.7552 ppm	4.7570 ppm	0.0062 ppm	1.4819 ppm	0.1508 ppm	0.2955 ppm	0.0036 ppm
Concentration per Run	27.5717 ppm	4.7734 ppm	0.0067 ppm	1.4899 ppm	0.1510 ppm	0.2932 ppm	0.0024 ppm
Concentration RSD	0.3 %	0.2 %	4.2 %	0.3 %	0.3 %	0.4 %	34.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0052 ppm	2.5733 ppm	0.0137 ppm	0.1048 ppm	0.2447 ppm	-0.0001 ppm	0.1048 ppm
Concentration per Run	0.0044 ppm	2.5881 ppm	0.0126 ppm	0.1049 ppm	0.2438 ppm	-0.0003 ppm	0.1049 ppm
Concentration per Run	0.0036 ppm	2.5717 ppm	0.0143 ppm	0.1045 ppm	0.2461 ppm	-0.0022 ppm	0.1051 ppm
Concentration per Run	0.0076 ppm	2.5602 ppm	0.0143 ppm	0.1050 ppm	0.2441 ppm	0.0020 ppm	0.1045 ppm
Concentration RSD	41.6 %	0.5 %	7.3 %	0.2 %	0.5 %	1,406.8 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6963 ppm	100.6999 %	102.5341 %	95.1808 %	110.5711 %	113.3467 %	111.2343 %
Concentration per Run	0.6990 ppm	100.2181 %	102.3726 %	95.4216 %	110.0159 %	113.3998 %	111.4772 %
Concentration per Run	0.6974 ppm	100.4881 %	102.8713 %	94.9017 %	110.3641 %	113.3493 %	111.1461 %
Concentration per Run	0.6925 ppm	101.3935 %	102.3583 %	95.2192 %	111.3335 %	113.2911 %	111.0795 %
Concentration RSD	0.5 %	0.6 %	0.3 %	0.3 %	0.6 %	0.0 %	0.2 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574897-02D2 WG2146092
Analysis started at: 11/28/2025 7:26:25 AM
Comment <Comment>
Rack Number 1
Vial Numbers 19

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0016 ppm	74.2127 ppm	0.0624 ppm	0.0305 ppm	0.8780 ppm	0.0041 ppm	57.1045 ppm
Concentration per Run	0.0018 ppm	74.2682 ppm	0.0623 ppm	0.0296 ppm	0.8776 ppm	0.0042 ppm	57.2273 ppm
Concentration per Run	0.0015 ppm	73.8350 ppm	0.0615 ppm	0.0302 ppm	0.8732 ppm	0.0041 ppm	56.8246 ppm
Concentration per Run	0.0013 ppm	74.5350 ppm	0.0634 ppm	0.0317 ppm	0.8831 ppm	0.0040 ppm	57.2616 ppm
Concentration RSD	16.0 %	0.5 %	1.5 %	3.5 %	0.6 %	1.7 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0071 ppm	0.0786 ppm	0.1266 ppm	0.2502 ppm	170.7388 ppm	5.1532 ppm	0.1833 ppm
Concentration per Run	0.0071 ppm	0.0779 ppm	0.1265 ppm	0.2503 ppm	170.8251 ppm	5.1330 ppm	0.1837 ppm
Concentration per Run	0.0070 ppm	0.0788 ppm	0.1260 ppm	0.2483 ppm	169.5484 ppm	5.1480 ppm	0.1814 ppm
Concentration per Run	0.0071 ppm	0.0790 ppm	0.1272 ppm	0.2521 ppm	171.8429 ppm	5.1785 ppm	0.1849 ppm
Concentration RSD	0.8 %	0.7 %	0.5 %	0.8 %	0.7 %	0.4 %	1.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	31.6739 ppm	4.8324 ppm	0.0022 ppm	3.9169 ppm	0.1858 ppm	0.4875 ppm	0.0037 ppm
Concentration per Run	31.5796 ppm	4.8452 ppm	0.0016 ppm	3.9254 ppm	0.1853 ppm	0.4884 ppm	0.0028 ppm
Concentration per Run	31.6474 ppm	4.7996 ppm	0.0028 ppm	3.8900 ppm	0.1851 ppm	0.4865 ppm	0.0066 ppm
Concentration per Run	31.7947 ppm	4.8523 ppm	0.0023 ppm	3.9353 ppm	0.1870 ppm	0.4877 ppm	0.0018 ppm
Concentration RSD	0.3 %	0.6 %	28.0 %	0.6 %	0.6 %	0.2 %	67.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0025 ppm	4.0878 ppm	0.0179 ppm	0.1139 ppm	0.2987 ppm	-0.0014 ppm	0.1122 ppm
Concentration per Run	0.0015 ppm	4.0837 ppm	0.0178 ppm	0.1139 ppm	0.2978 ppm	-0.0012 ppm	0.1119 ppm
Concentration per Run	0.0041 ppm	4.0801 ppm	0.0177 ppm	0.1133 ppm	0.2985 ppm	-0.0006 ppm	0.1118 ppm
Concentration per Run	0.0019 ppm	4.0995 ppm	0.0183 ppm	0.1147 ppm	0.2999 ppm	-0.0024 ppm	0.1129 ppm
Concentration RSD	55.5 %	0.3 %	1.6 %	0.6 %	0.3 %	66.6 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.9507 ppm	99.0255 %	102.6455 %	93.9934 %	110.1564 %	114.0722 %	111.4180 %
Concentration per Run	0.9509 ppm	99.0610 %	102.7925 %	93.8548 %	110.2321 %	114.8243 %	111.6185 %
Concentration per Run	0.9469 ppm	99.4082 %	102.7781 %	94.3636 %	110.5213 %	113.4641 %	111.7587 %
Concentration per Run	0.9543 ppm	98.6073 %	102.3659 %	93.7616 %	109.7158 %	113.9283 %	110.8767 %
Concentration RSD	0.4 %	0.4 %	0.2 %	0.3 %	0.4 %	0.6 %	0.4 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574897-03D2 WG2146092
Analysis started at: 11/28/2025 7:28:34 AM
Comment <Comment>
Rack Number 1
Vial Numbers 20

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0009 ppm	60.0803 ppm	0.0450 ppm	0.0338 ppm	0.8290 ppm	0.0032 ppm	82.6186 ppm
Concentration per Run	0.0006 ppm	60.2765 ppm	0.0454 ppm	0.0348 ppm	0.8314 ppm	0.0032 ppm	82.8773 ppm
Concentration per Run	0.0014 ppm	59.6466 ppm	0.0453 ppm	0.0350 ppm	0.8256 ppm	0.0031 ppm	82.0476 ppm
Concentration per Run	0.0007 ppm	60.3177 ppm	0.0444 ppm	0.0318 ppm	0.8300 ppm	0.0032 ppm	82.9309 ppm
Concentration RSD	49.7 %	0.6 %	1.2 %	5.3 %	0.4 %	1.6 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0024 ppm	0.0651 ppm	0.0886 ppm	0.1516 ppm	142.2564 ppm	5.6427 ppm	0.1537 ppm
Concentration per Run	0.0024 ppm	0.0648 ppm	0.0886 ppm	0.1520 ppm	142.1794 ppm	5.6258 ppm	0.1577 ppm
Concentration per Run	0.0024 ppm	0.0653 ppm	0.0886 ppm	0.1508 ppm	141.3441 ppm	5.6358 ppm	0.1534 ppm
Concentration per Run	0.0025 ppm	0.0653 ppm	0.0885 ppm	0.1521 ppm	143.2457 ppm	5.6667 ppm	0.1499 ppm
Concentration RSD	1.7 %	0.5 %	0.1 %	0.5 %	0.7 %	0.4 %	2.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	34.4386 ppm	5.2854 ppm	0.0012 ppm	0.2937 ppm	0.1397 ppm	0.1701 ppm	0.0011 ppm
Concentration per Run	34.4588 ppm	5.3019 ppm	0.0016 ppm	0.2948 ppm	0.1389 ppm	0.1698 ppm	0.0026 ppm
Concentration per Run	34.4242 ppm	5.2528 ppm	0.0009 ppm	0.2924 ppm	0.1396 ppm	0.1709 ppm	0.0012 ppm
Concentration per Run	34.4329 ppm	5.3015 ppm	0.0010 ppm	0.2939 ppm	0.1405 ppm	0.1695 ppm	-0.0006 ppm
Concentration RSD	0.1 %	0.5 %	33.2 %	0.4 %	0.6 %	0.4 %	147.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0014 ppm	2.4574 ppm	0.0419 ppm	0.1487 ppm	0.2570 ppm	-0.0012 ppm	0.0891 ppm
Concentration per Run	0.0014 ppm	2.4639 ppm	0.0408 ppm	0.1493 ppm	0.2567 ppm	-0.0002 ppm	0.0891 ppm
Concentration per Run	0.0044 ppm	2.4616 ppm	0.0414 ppm	0.1482 ppm	0.2580 ppm	-0.0013 ppm	0.0892 ppm
Concentration per Run	-0.0016 ppm	2.4466 ppm	0.0436 ppm	0.1485 ppm	0.2563 ppm	-0.0020 ppm	0.0891 ppm
Concentration RSD	212.2 %	0.4 %	3.5 %	0.4 %	0.3 %	75.2 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6170 ppm	99.0516 %	101.8391 %	93.5375 %	108.7011 %	112.6103 %	109.8084 %
Concentration per Run	0.6178 ppm	98.8492 %	101.8462 %	93.1375 %	108.5842 %	112.9538 %	109.4507 %
Concentration per Run	0.6169 ppm	99.2796 %	102.3478 %	93.9045 %	108.8063 %	112.4475 %	110.1870 %
Concentration per Run	0.6164 ppm	99.0261 %	101.3233 %	93.5705 %	108.7127 %	112.4297 %	109.7876 %
Concentration RSD	0.1 %	0.2 %	0.5 %	0.4 %	0.1 %	0.3 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574898-13D2 WG2146092
Analysis started at: 11/28/2025 7:30:42 AM
Comment <Comment>
Rack Number 1
Vial Numbers 8

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0020 ppm	64.7019 ppm	0.0798 ppm	0.0779 ppm	0.8574 ppm	0.0046 ppm	32.4947 ppm
Concentration per Run	0.0017 ppm	64.5719 ppm	0.0811 ppm	0.0787 ppm	0.8539 ppm	0.0047 ppm	32.4660 ppm
Concentration per Run	0.0026 ppm	64.6017 ppm	0.0790 ppm	0.0781 ppm	0.8561 ppm	0.0046 ppm	32.4338 ppm
Concentration per Run	0.0017 ppm	64.9320 ppm	0.0793 ppm	0.0768 ppm	0.8622 ppm	0.0046 ppm	32.5844 ppm
Concentration RSD	25.8 %	0.3 %	1.4 %	1.3 %	0.5 %	0.7 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0090 ppm	0.0884 ppm	0.0960 ppm	0.1724 ppm	151.3491 ppm	7.0142 ppm	0.1688 ppm
Concentration per Run	0.0090 ppm	0.0880 ppm	0.0957 ppm	0.1713 ppm	150.4846 ppm	6.9925 ppm	0.1675 ppm
Concentration per Run	0.0089 ppm	0.0885 ppm	0.0958 ppm	0.1729 ppm	151.4269 ppm	7.0142 ppm	0.1690 ppm
Concentration per Run	0.0090 ppm	0.0888 ppm	0.0966 ppm	0.1730 ppm	152.1358 ppm	7.0358 ppm	0.1698 ppm
Concentration RSD	0.7 %	0.5 %	0.5 %	0.6 %	0.5 %	0.3 %	0.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	24.4158 ppm	5.0167 ppm	0.0029 ppm	0.3282 ppm	0.1718 ppm	0.7465 ppm	0.0064 ppm
Concentration per Run	24.3913 ppm	5.0002 ppm	0.0026 ppm	0.3258 ppm	0.1703 ppm	0.7433 ppm	0.0042 ppm
Concentration per Run	24.4640 ppm	5.0110 ppm	0.0035 ppm	0.3232 ppm	0.1728 ppm	0.7497 ppm	0.0094 ppm
Concentration per Run	24.3921 ppm	5.0390 ppm	0.0028 ppm	0.3357 ppm	0.1723 ppm	0.7464 ppm	0.0056 ppm
Concentration RSD	0.2 %	0.4 %	15.7 %	2.0 %	0.7 %	0.4 %	42.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0058 ppm	3.7406 ppm	0.0298 ppm	0.0790 ppm	0.2616 ppm	0.0003 ppm	0.0910 ppm
Concentration per Run	0.0023 ppm	3.7326 ppm	0.0299 ppm	0.0785 ppm	0.2617 ppm	0.0014 ppm	0.0906 ppm
Concentration per Run	0.0065 ppm	3.7437 ppm	0.0294 ppm	0.0790 ppm	0.2623 ppm	-0.0005 ppm	0.0911 ppm
Concentration per Run	0.0087 ppm	3.7457 ppm	0.0301 ppm	0.0795 ppm	0.2608 ppm	0.0000 ppm	0.0914 ppm
Concentration RSD	56.1 %	0.2 %	1.3 %	0.6 %	0.3 %	329.1 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.8695 ppm	100.2850 %	102.1304 %	95.4886 %	109.4413 %	112.3832 %	110.6351 %
Concentration per Run	0.8644 ppm	100.7185 %	102.3832 %	95.5026 %	109.5976 %	112.3975 %	110.6485 %
Concentration per Run	0.8709 ppm	100.1427 %	101.9831 %	95.3936 %	109.5465 %	111.9111 %	110.6417 %
Concentration per Run	0.8732 ppm	99.9938 %	102.0249 %	95.5695 %	109.1796 %	112.8409 %	110.6151 %
Concentration RSD	0.5 %	0.4 %	0.2 %	0.1 %	0.2 %	0.4 %	0.0 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2146092-3D2 WG2146092
Analysis started at: 11/28/2025 7:32:51 AM
Comment <Comment>
Rack Number 1
Vial Numbers 9

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0531 ppm	71.6964 ppm	0.1866 ppm	1.0115 ppm	2.9581 ppm	0.0579 ppm	52.4879 ppm
Concentration per Run	0.0530 ppm	71.5495 ppm	0.1857 ppm	1.0119 ppm	2.9436 ppm	0.0577 ppm	52.4232 ppm
Concentration per Run	0.0533 ppm	72.1687 ppm	0.1878 ppm	1.0153 ppm	2.9831 ppm	0.0581 ppm	52.7997 ppm
Concentration per Run	0.0531 ppm	71.3710 ppm	0.1861 ppm	1.0073 ppm	2.9476 ppm	0.0578 ppm	52.2409 ppm
Concentration RSD	0.3 %	0.6 %	0.6 %	0.4 %	0.7 %	0.4 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0637 ppm	0.5970 ppm	0.3090 ppm	0.4500 ppm	161.8617 ppm	16.1993 ppm	0.1793 ppm
Concentration per Run	0.0638 ppm	0.5984 ppm	0.3101 ppm	0.4494 ppm	161.5818 ppm	16.1324 ppm	0.1776 ppm
Concentration per Run	0.0639 ppm	0.5981 ppm	0.3103 ppm	0.4518 ppm	162.2847 ppm	16.2952 ppm	0.1837 ppm
Concentration per Run	0.0635 ppm	0.5944 ppm	0.3064 ppm	0.4488 ppm	161.7185 ppm	16.1703 ppm	0.1766 ppm
Concentration RSD	0.3 %	0.4 %	0.7 %	0.4 %	0.2 %	0.5 %	2.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	36.2110 ppm	5.8660 ppm	0.9588 ppm	10.6611 ppm	0.6944 ppm	1.3079 ppm	0.2325 ppm
Concentration per Run	36.3068 ppm	5.8365 ppm	0.9605 ppm	10.6713 ppm	0.6970 ppm	1.3117 ppm	0.2344 ppm
Concentration per Run	36.1992 ppm	5.8912 ppm	0.9605 ppm	10.7431 ppm	0.6937 ppm	1.3100 ppm	0.2280 ppm
Concentration per Run	36.1271 ppm	5.8702 ppm	0.9553 ppm	10.5688 ppm	0.6925 ppm	1.3021 ppm	0.2349 ppm
Concentration RSD	0.2 %	0.5 %	0.3 %	0.8 %	0.3 %	0.4 %	1.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1233 ppm	12.8028 ppm	0.7919 ppm	1.0593 ppm	0.9519 ppm	0.1156 ppm	0.6285 ppm
Concentration per Run	0.1203 ppm	12.8072 ppm	0.7935 ppm	1.0542 ppm	0.9470 ppm	0.1135 ppm	0.6295 ppm
Concentration per Run	0.1267 ppm	12.8437 ppm	0.7911 ppm	1.0699 ppm	0.9550 ppm	0.1172 ppm	0.6305 ppm
Concentration per Run	0.1230 ppm	12.7576 ppm	0.7910 ppm	1.0539 ppm	0.9537 ppm	0.1161 ppm	0.6255 ppm
Concentration RSD	2.6 %	0.3 %	0.2 %	0.9 %	0.5 %	1.7 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.4358 ppm	98.1368 %	101.6075 %	92.6424 %	108.1288 %	112.5765 %	108.9303 %
Concentration per Run	1.4470 ppm	97.1720 %	101.9829 %	92.1745 %	106.9397 %	112.4301 %	108.2493 %
Concentration per Run	1.4359 ppm	98.5188 %	101.6374 %	92.2606 %	108.6599 %	113.1522 %	108.6673 %
Concentration per Run	1.4247 ppm	98.7196 %	101.2023 %	93.4920 %	108.7868 %	112.1471 %	109.8743 %
Concentration RSD	0.8 %	0.9 %	0.4 %	0.8 %	1.0 %	0.5 %	0.8 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2146092-4D2 WG2146092
Analysis started at: 11/28/2025 7:35:00 AM
Comment <Comment>
Rack Number 1
Vial Numbers 10

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0532 ppm	72.1277 ppm	0.1880 ppm	1.0089 ppm	2.9416 ppm	0.0575 ppm	72.6919 ppm
Concentration per Run	0.0537 ppm	72.0662 ppm	0.1883 ppm	1.0073 ppm	2.9381 ppm	0.0574 ppm	72.6576 ppm
Concentration per Run	0.0528 ppm	72.5617 ppm	0.1893 ppm	1.0097 ppm	2.9610 ppm	0.0577 ppm	73.1789 ppm
Concentration per Run	0.0531 ppm	71.7553 ppm	0.1864 ppm	1.0098 ppm	2.9258 ppm	0.0573 ppm	72.2393 ppm
Concentration RSD	0.9 %	0.6 %	0.8 %	0.1 %	0.6 %	0.4 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0630 ppm	0.5900 ppm	0.3160 ppm	0.4491 ppm	159.9891 ppm	16.3612 ppm	0.1828 ppm
Concentration per Run	0.0632 ppm	0.5907 ppm	0.3166 ppm	0.4513 ppm	159.6567 ppm	16.3328 ppm	0.1835 ppm
Concentration per Run	0.0632 ppm	0.5900 ppm	0.3159 ppm	0.4496 ppm	160.9348 ppm	16.4943 ppm	0.1834 ppm
Concentration per Run	0.0628 ppm	0.5892 ppm	0.3155 ppm	0.4464 ppm	159.3758 ppm	16.2565 ppm	0.1813 ppm
Concentration RSD	0.4 %	0.1 %	0.2 %	0.6 %	0.5 %	0.7 %	0.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	36.1581 ppm	5.7912 ppm	0.9501 ppm	10.6832 ppm	0.7442 ppm	1.3003 ppm	0.2253 ppm
Concentration per Run	36.1841 ppm	5.7997 ppm	0.9523 ppm	10.6954 ppm	0.7454 ppm	1.2972 ppm	0.2311 ppm
Concentration per Run	36.0562 ppm	5.8224 ppm	0.9499 ppm	10.8008 ppm	0.7448 ppm	1.3008 ppm	0.2220 ppm
Concentration per Run	36.2338 ppm	5.7516 ppm	0.9483 ppm	10.5535 ppm	0.7425 ppm	1.3030 ppm	0.2227 ppm
Concentration RSD	0.3 %	0.6 %	0.2 %	1.2 %	0.2 %	0.2 %	2.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1202 ppm	11.9058 ppm	0.7811 ppm	1.0879 ppm	0.9277 ppm	0.1164 ppm	0.6241 ppm
Concentration per Run	0.1204 ppm	11.9742 ppm	0.7792 ppm	1.0896 ppm	0.9240 ppm	0.1150 ppm	0.6283 ppm
Concentration per Run	0.1200 ppm	11.9036 ppm	0.7802 ppm	1.0947 ppm	0.9332 ppm	0.1162 ppm	0.6240 ppm
Concentration per Run	0.1200 ppm	11.8396 ppm	0.7839 ppm	1.0793 ppm	0.9259 ppm	0.1180 ppm	0.6201 ppm
Concentration RSD	0.2 %	0.6 %	0.3 %	0.7 %	0.5 %	1.3 %	0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.4299 ppm	98.3971 %	100.8589 %	92.3275 %	108.0898 %	112.1073 %	108.6365 %
Concentration per Run	1.4335 ppm	98.4172 %	101.8385 %	92.0608 %	108.4402 %	113.0693 %	108.0601 %
Concentration per Run	1.4249 ppm	97.9584 %	99.9606 %	92.3603 %	107.7644 %	112.1809 %	108.7185 %
Concentration per Run	1.4314 ppm	98.8158 %	100.7777 %	92.5615 %	108.0648 %	111.0718 %	109.1309 %
Concentration RSD	0.3 %	0.4 %	0.9 %	0.3 %	0.3 %	0.9 %	0.5 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2146092-5D2 WG2146092
Analysis started at: 11/28/2025 7:37:09 AM
Comment <Comment>
Rack Number 1
Vial Numbers 11

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0484 ppm	65.0394 ppm	0.1845 ppm	1.0767 ppm	2.6853 ppm	0.0517 ppm	41.8877 ppm
Concentration per Run	0.0485 ppm	65.1653 ppm	0.1838 ppm	1.0729 ppm	2.6862 ppm	0.0518 ppm	42.0486 ppm
Concentration per Run	0.0481 ppm	65.3204 ppm	0.1855 ppm	1.0759 ppm	2.6997 ppm	0.0518 ppm	42.0249 ppm
Concentration per Run	0.0486 ppm	64.6325 ppm	0.1841 ppm	1.0815 ppm	2.6699 ppm	0.0514 ppm	41.5895 ppm
Concentration RSD	0.6 %	0.6 %	0.5 %	0.4 %	0.6 %	0.4 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0610 ppm	0.5393 ppm	0.2817 ppm	0.4102 ppm	148.4154 ppm	17.2004 ppm	0.1619 ppm
Concentration per Run	0.0609 ppm	0.5393 ppm	0.2795 ppm	0.4089 ppm	148.5577 ppm	17.2456 ppm	0.1652 ppm
Concentration per Run	0.0610 ppm	0.5387 ppm	0.2817 ppm	0.4115 ppm	149.2381 ppm	17.2754 ppm	0.1648 ppm
Concentration per Run	0.0612 ppm	0.5398 ppm	0.2837 ppm	0.4101 ppm	147.4504 ppm	17.0803 ppm	0.1557 ppm
Concentration RSD	0.3 %	0.1 %	0.7 %	0.3 %	0.6 %	0.6 %	3.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	33.9374 ppm	5.3295 ppm	1.0024 ppm	10.7028 ppm	0.6281 ppm	1.2669 ppm	0.4911 ppm
Concentration per Run	33.8943 ppm	5.3313 ppm	1.0039 ppm	10.7331 ppm	0.6271 ppm	1.2638 ppm	0.4929 ppm
Concentration per Run	33.9505 ppm	5.3516 ppm	1.0002 ppm	10.8316 ppm	0.6258 ppm	1.2684 ppm	0.4905 ppm
Concentration per Run	33.9674 ppm	5.3056 ppm	1.0031 ppm	10.5436 ppm	0.6313 ppm	1.2684 ppm	0.4900 ppm
Concentration RSD	0.1 %	0.4 %	0.2 %	1.4 %	0.5 %	0.2 %	0.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1227 ppm	4.9545 ppm	1.0146 [SIC 50]	1.0478 ppm	1.2624 ppm	0.1178 ppm	0.5700 ppm
Concentration per Run	0.1260 ppm	4.9539 ppm	1.0112 ppm	1.0474 ppm	1.2652 ppm	0.1175 ppm	0.5693 ppm
Concentration per Run	0.1226 ppm	4.9561 ppm	1.0140 ppm	1.0561 ppm	1.2610 ppm	0.1171 ppm	0.5695 ppm
Concentration per Run	0.1197 ppm	4.9534 ppm	1.0185 ppm	1.0399 ppm	1.2611 ppm	0.1188 ppm	0.5711 ppm
Concentration RSD	2.6 %	0.0 %	0.4 %	0.8 %	0.2 %	0.8 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.3282 ppm	98.3799 %	101.1678 %	93.1952 %	107.2177 %	110.9516 %	108.3497 %
Concentration per Run	1.3244 ppm	98.3913 %	101.2597 %	93.6553 %	107.2134 %	111.6432 %	108.7889 %
Concentration per Run	1.3295 ppm	98.8121 %	100.9494 %	92.8034 %	107.5925 %	111.1127 %	107.7159 %
Concentration per Run	1.3308 ppm	97.9365 %	101.2944 %	93.1269 %	106.8472 %	110.0989 %	108.5443 %
Concentration RSD	0.3 %	0.4 %	0.2 %	0.5 %	0.3 %	0.7 %	0.5 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2146092-6D10 WG2146092
Analysis started at: 11/28/2025 7:39:18 AM
Comment <Comment>
Rack Number 1
Vial Numbers 12

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0004 ppm	12.4682 ppm	0.0152 ppm	0.0180 ppm	0.1646 ppm	0.0009 ppm	6.2513 ppm
Concentration per Run	0.0005 ppm	12.5429 ppm	0.0146 ppm	0.0186 ppm	0.1664 ppm	0.0009 ppm	6.2970 ppm
Concentration per Run	0.0003 ppm	12.3596 ppm	0.0157 ppm	0.0182 ppm	0.1627 ppm	0.0009 ppm	6.1936 ppm
Concentration per Run	0.0005 ppm	12.5021 ppm	0.0154 ppm	0.0173 ppm	0.1647 ppm	0.0009 ppm	6.2634 ppm
Concentration RSD	27.2 %	0.8 %	3.8 %	3.6 %	1.1 %	0.3 %	0.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0018 ppm	0.0179 ppm	0.0188 ppm	0.0331 ppm	29.7142 ppm	1.3287 ppm	0.0323 ppm
Concentration per Run	0.0018 ppm	0.0178 ppm	0.0185 ppm	0.0331 ppm	30.0170 ppm	1.3498 ppm	0.0341 ppm
Concentration per Run	0.0017 ppm	0.0186 ppm	0.0189 ppm	0.0334 ppm	29.3615 ppm	1.3133 ppm	0.0300 ppm
Concentration per Run	0.0017 ppm	0.0174 ppm	0.0190 ppm	0.0329 ppm	29.7641 ppm	1.3231 ppm	0.0330 ppm
Concentration RSD	3.9 %	3.5 %	1.3 %	0.8 %	1.1 %	1.4 %	6.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	4.9387 ppm	0.9788 ppm	0.0008 ppm	0.0562 ppm	0.0349 ppm	0.1450 ppm	0.0032 ppm
Concentration per Run	4.9456 ppm	0.9864 ppm	0.0007 ppm	0.0663 ppm	0.0345 ppm	0.1446 ppm	0.0038 ppm
Concentration per Run	4.9444 ppm	0.9692 ppm	0.0007 ppm	0.0492 ppm	0.0353 ppm	0.1451 ppm	0.0017 ppm
Concentration per Run	4.9261 ppm	0.9807 ppm	0.0010 ppm	0.0532 ppm	0.0349 ppm	0.1454 ppm	0.0040 ppm
Concentration RSD	0.2 %	0.9 %	21.3 %	15.8 %	1.3 %	0.3 %	39.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0033 ppm	0.7545 ppm	0.0069 ppm	0.0151 ppm	0.0507 ppm	0.0014 ppm	0.0175 ppm
Concentration per Run	0.0036 ppm	0.7513 ppm	0.0075 ppm	0.0151 ppm	0.0507 ppm	0.0015 ppm	0.0175 ppm
Concentration per Run	0.0035 ppm	0.7624 ppm	0.0064 ppm	0.0149 ppm	0.0508 ppm	0.0009 ppm	0.0177 ppm
Concentration per Run	0.0028 ppm	0.7499 ppm	0.0067 ppm	0.0152 ppm	0.0505 ppm	0.0020 ppm	0.0174 ppm
Concentration RSD	12.9 %	0.9 %	8.6 %	1.0 %	0.3 %	39.1 %	0.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1731 ppm	102.3242 %	103.2704 %	101.3196 %	103.1122 %	103.7067 %	103.5717 %
Concentration per Run	0.1722 ppm	102.3947 %	102.1840 %	101.8727 %	102.8673 %	103.1476 %	104.3847 %
Concentration per Run	0.1741 ppm	102.2973 %	104.9098 %	101.0779 %	103.1925 %	104.6107 %	103.1973 %
Concentration per Run	0.1730 ppm	102.2808 %	102.7173 %	101.0081 %	103.2766 %	103.3618 %	103.1331 %
Concentration RSD	0.6 %	0.1 %	1.4 %	0.5 %	0.2 %	0.8 %	0.7 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: CCV
Analysis started at: 11/28/2025 7:41:27 AM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5026 ppm	0.4804 ppm	0.4798 ppm	0.4915 ppm	0.4989 ppm	0.5056 ppm	0.4935 ppm
Concentration per Run	0.5045 ppm	0.4937 ppm	0.4823 ppm	0.4893 ppm	0.5010 ppm	0.5076 ppm	0.4946 ppm
Concentration per Run	0.5010 ppm	0.4609 ppm	0.4811 ppm	0.4919 ppm	0.4964 ppm	0.5061 ppm	0.4944 ppm
Concentration per Run	0.5024 ppm	0.4867 ppm	0.4761 ppm	0.4934 ppm	0.4992 ppm	0.5030 ppm	0.4915 ppm
Recovery Percentage	100.526 %	96.090 %	95.960 %	98.304 %	99.770 %	101.114 %	98.700 %
Concentration RSD	0.3 %	3.6 %	0.7 %	0.4 %	0.5 %	0.5 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5119 ppm	0.5123 ppm	0.5080 ppm	0.5162 ppm	0.4982 ppm	5.1321 ppm	0.5258 ppm
Concentration per Run	0.5127 ppm	0.5128 ppm	0.5103 ppm	0.5178 ppm	0.5032 ppm	5.1547 ppm	0.5321 ppm
Concentration per Run	0.5112 ppm	0.5114 ppm	0.5070 ppm	0.5143 ppm	0.4948 ppm	5.1225 ppm	0.5156 ppm
Concentration per Run	0.5117 ppm	0.5128 ppm	0.5069 ppm	0.5166 ppm	0.4965 ppm	5.1191 ppm	0.5296 ppm
Recovery Percentage	102.379 %	102.462 %	101.607 %	103.243 %	99.637 %	102.642 %	105.154 %
Concentration RSD	0.1 %	0.2 %	0.4 %	0.3 %	0.9 %	0.4 %	1.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5045 ppm	0.5068 ppm	0.4895 ppm	10.1067 ppm	0.5123 ppm	0.4959 ppm	0.5084 ppm
Concentration per Run	0.5038 ppm	0.5094 ppm	0.4895 ppm	10.1782 ppm	0.5128 ppm	0.4954 ppm	0.5088 ppm
Concentration per Run	0.5044 ppm	0.5056 ppm	0.4895 ppm	10.0786 ppm	0.5111 ppm	0.4956 ppm	0.5119 ppm
Concentration per Run	0.5053 ppm	0.5053 ppm	0.4894 ppm	10.0634 ppm	0.5129 ppm	0.4968 ppm	0.5044 ppm
Recovery Percentage	100.898 %	101.356 %	97.893 %	101.067 %	102.453 %	99.188 %	101.674 %
Concentration RSD	0.2 %	0.4 %	0.0 %	0.6 %	0.2 %	0.2 %	0.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4809 ppm	5.3795 ppm	0.4974 ppm	0.4932 ppm	0.4981 ppm	0.5052 ppm	0.5081 ppm
Concentration per Run	0.4840 ppm	5.3697 ppm	0.4981 ppm	0.4953 ppm	0.4988 ppm	0.5049 ppm	0.5082 ppm
Concentration per Run	0.4791 ppm	5.3668 ppm	0.4971 ppm	0.4913 ppm	0.4982 ppm	0.5080 ppm	0.5075 ppm
Concentration per Run	0.4795 ppm	5.4021 ppm	0.4971 ppm	0.4928 ppm	0.4972 ppm	0.5026 ppm	0.5087 ppm
Recovery Percentage	96.172 %	102.467 %	99.490 %	98.632 %	99.618 %	101.035 %	101.625 %
Concentration RSD	0.6 %	0.4 %	0.1 %	0.4 %	0.2 %	0.5 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5091 ppm	100.7774 %	99.7943 %	99.6919 %	98.5827 %	97.9315 %	98.4687 %
Concentration per Run	0.5094 ppm	100.6120 %	99.8326 %	99.9279 %	98.2812 %	98.5214 %	98.6720 %
Concentration per Run	0.5074 ppm	101.1362 %	99.6209 %	99.7417 %	98.6846 %	97.4226 %	98.6098 %
Concentration per Run	0.5104 ppm	100.5838 %	99.9294 %	99.4063 %	98.7822 %	97.8505 %	98.1242 %
Recovery Percentage	101.813 %						
Concentration RSD	0.3 %	0.3 %	0.2 %	0.3 %	0.3 %	0.6 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: CCB
Analysis started at: 11/28/2025 7:43:36 AM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	0.0037 ppm	0.0003 ppm	0.0022 ppm	0.0001 ppm	0.0000 ppm	0.0010 ppm
Concentration per Run	-0.0002 ppm	0.0142 ppm	0.0008 ppm	0.0020 ppm	0.0003 ppm	0.0000 ppm	0.0019 ppm
Concentration per Run	0.0004 ppm	0.0072 ppm	-0.0009 ppm	0.0035 ppm	0.0001 ppm	0.0000 ppm	-0.0015 ppm
Concentration per Run	0.0000 ppm	-0.0101 ppm	0.0011 ppm	0.0012 ppm	0.0001 ppm	0.0000 ppm	0.0026 ppm
Recovery Percentage	1.124 %	3.748 %	6.474 %	7.475 %	1.366 %	0.333 %	1.003 %
Concentration RSD	391.4 %	334.4 %	334.7 %	53.4 %	80.9 %	286.6 %	216.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0002 ppm	-0.0004 ppm	0.0014 ppm	-0.0238 ppm	0.0029 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0009 ppm	-0.0004 ppm	-0.0001 ppm	-0.0112 ppm	0.0005 ppm
Concentration per Run	0.0000 ppm	0.0004 ppm	-0.0004 ppm	0.0000 ppm	0.0025 ppm	-0.0175 ppm	0.0045 ppm
Concentration per Run	0.0000 ppm	-0.0007 ppm	0.0002 ppm	-0.0007 ppm	0.0017 ppm	-0.0428 ppm	0.0037 ppm
Recovery Percentage	-0.218 %	-0.565 %	2.293 %	-3.596 %	2.773 %	-0.952 %	58.041 %
Concentration RSD	303.9 %	457.6 %	279.2 %	105.8 %	95.9 %	70.2 %	73.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0005 ppm	0.0000 ppm	0.0000 ppm	-0.0062 ppm	-0.0005 ppm	-0.0018 ppm	0.0017 ppm
Concentration per Run	-0.0013 ppm	0.0000 ppm	-0.0006 ppm	-0.0104 ppm	-0.0006 ppm	-0.0016 ppm	-0.0017 ppm
Concentration per Run	0.0014 ppm	-0.0001 ppm	0.0001 ppm	-0.0073 ppm	-0.0002 ppm	-0.0020 ppm	0.0015 ppm
Concentration per Run	0.0015 ppm	0.0000 ppm	0.0003 ppm	-0.0009 ppm	-0.0008 ppm	-0.0018 ppm	0.0053 ppm
Recovery Percentage	0.514 %	-0.446 %	-0.090 %	-0.310 %	-2.078 %	-18.015 %	3.383 %
Concentration RSD	311.0 %	61.9 %	1,012.5 %	78.4 %	50.5 %	13.6 %	206.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0003 ppm	0.0108 ppm	0.0012 ppm	0.0001 ppm	-0.0001 ppm	0.0011 ppm	-0.0001 ppm
Concentration per Run	0.0015 ppm	0.0104 ppm	0.0012 ppm	0.0001 ppm	0.0002 ppm	0.0021 ppm	-0.0001 ppm
Concentration per Run	-0.0035 ppm	0.0099 ppm	0.0009 ppm	0.0001 ppm	-0.0001 ppm	0.0002 ppm	0.0000 ppm
Concentration per Run	0.0030 ppm	0.0120 ppm	0.0016 ppm	0.0001 ppm	-0.0003 ppm	0.0010 ppm	-0.0002 ppm
Recovery Percentage	3.353 %	2.154 %	2.410 %	0.928 %	-0.726 %	5.473 %	-1.077 %
Concentration RSD	1,021.5 %	10.2 %	30.5 %	7.3 %	367.6 %	88.3 %	124.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	97.3623 %	97.6603 %	98.7933 %	97.8127 %	97.5091 %	98.7024 %
Concentration per Run	0.0004 ppm	97.7163 %	97.4198 %	98.6760 %	97.9196 %	97.2610 %	98.6636 %
Concentration per Run	0.0000 ppm	97.0532 %	97.2972 %	98.9731 %	97.2605 %	97.3783 %	98.9572 %
Concentration per Run	0.0002 ppm	97.3176 %	98.2641 %	98.7307 %	98.2580 %	97.8881 %	98.4864 %
Recovery Percentage	3.870 %						
Concentration RSD	87.5 %	0.3 %	0.5 %	0.2 %	0.5 %	0.3 %	0.2 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574897-04D2 WG2146092
Analysis started at: 11/28/2025 7:46:01 AM
Comment <Comment>
Rack Number 1
Vial Numbers 21

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0011 ppm	60.6630 ppm	0.0515 ppm	0.0271 ppm	0.8788 ppm	0.0034 ppm	221.8069 ppm
Concentration per Run	0.0013 ppm	60.9357 ppm	0.0514 ppm	0.0280 ppm	0.8822 ppm	0.0034 ppm	222.8015 ppm
Concentration per Run	0.0002 ppm	60.3313 ppm	0.0509 ppm	0.0270 ppm	0.8750 ppm	0.0034 ppm	220.6965 ppm
Concentration per Run	0.0017 ppm	60.7220 ppm	0.0523 ppm	0.0263 ppm	0.8791 ppm	0.0034 ppm	221.9227 ppm
Concentration RSD	69.1 %	0.5 %	1.3 %	3.1 %	0.4 %	0.3 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0024 ppm	0.0654 ppm	0.0988 ppm	0.1661 ppm	152.2746 ppm	5.0780 ppm	0.1531 ppm
Concentration per Run	0.0022 ppm	0.0641 ppm	0.0975 ppm	0.1644 ppm	153.0459 ppm	5.1107 ppm	0.1545 ppm
Concentration per Run	0.0025 ppm	0.0665 ppm	0.1000 ppm	0.1666 ppm	151.4986 ppm	5.0510 ppm	0.1501 ppm
Concentration per Run	0.0026 ppm	0.0655 ppm	0.0990 ppm	0.1672 ppm	152.2792 ppm	5.0723 ppm	0.1547 ppm
Concentration RSD	7.1 %	1.8 %	1.2 %	0.9 %	0.5 %	0.6 %	1.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	38.9648 ppm	6.0154 ppm	0.0007 ppm	0.6471 ppm	0.1411 ppm	0.2184 ppm	0.0013 ppm
Concentration per Run	38.6496 ppm	6.0357 ppm	0.0006 ppm	0.6433 ppm	0.1394 ppm	0.2193 ppm	0.0022 ppm
Concentration per Run	39.1221 ppm	5.9974 ppm	0.0009 ppm	0.6472 ppm	0.1415 ppm	0.2181 ppm	-0.0016 ppm
Concentration per Run	39.1227 ppm	6.0131 ppm	0.0006 ppm	0.6507 ppm	0.1422 ppm	0.2179 ppm	0.0034 ppm
Concentration RSD	0.7 %	0.3 %	24.5 %	0.6 %	1.0 %	0.3 %	200.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0017 ppm	3.2437 ppm	0.0095 ppm	0.2804 ppm	0.3276 ppm	-0.0015 ppm	0.0920 ppm
Concentration per Run	0.0048 ppm	3.2080 ppm	0.0100 ppm	0.2812 ppm	0.3260 ppm	-0.0005 ppm	0.0904 ppm
Concentration per Run	-0.0023 ppm	3.2650 ppm	0.0101 ppm	0.2799 ppm	0.3279 ppm	-0.0009 ppm	0.0929 ppm
Concentration per Run	0.0025 ppm	3.2582 ppm	0.0086 ppm	0.2801 ppm	0.3287 ppm	-0.0030 ppm	0.0928 ppm
Concentration RSD	218.1 %	1.0 %	8.9 %	0.3 %	0.4 %	89.8 %	1.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5893 ppm	96.9499 %	100.0117 %	89.8778 %	106.4241 %	111.0487 %	106.7629 %
Concentration per Run	0.5820 ppm	98.0607 %	99.5450 %	89.9443 %	107.2704 %	110.9839 %	106.7955 %
Concentration per Run	0.5945 ppm	96.4905 %	100.0611 %	90.4916 %	105.9865 %	110.6063 %	107.7558 %
Concentration per Run	0.5914 ppm	96.2986 %	100.4292 %	89.1975 %	106.0153 %	111.5559 %	105.7373 %
Concentration RSD	1.1 %	1.0 %	0.4 %	0.7 %	0.7 %	0.4 %	0.9 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574897-05D2 WG2146092
Analysis started at: 11/28/2025 7:48:10 AM
Comment <Comment>
Rack Number 1
Vial Numbers 22

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0013 ppm	57.1678 ppm	0.0563 ppm	0.0317 ppm	0.8112 ppm	0.0029 ppm	138.7591 ppm
Concentration per Run	0.0009 ppm	57.4649 ppm	0.0566 ppm	0.0323 ppm	0.8139 ppm	0.0029 ppm	139.6953 ppm
Concentration per Run	0.0019 ppm	56.8050 ppm	0.0544 ppm	0.0310 ppm	0.8063 ppm	0.0028 ppm	137.7247 ppm
Concentration per Run	0.0010 ppm	57.2336 ppm	0.0580 ppm	0.0320 ppm	0.8133 ppm	0.0029 ppm	138.8572 ppm
Concentration RSD	42.3 %	0.6 %	3.2 %	2.1 %	0.5 %	0.8 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0016 ppm	0.0612 ppm	0.0987 ppm	0.1522 ppm	141.0001 ppm	5.6823 ppm	0.1456 ppm
Concentration per Run	0.0017 ppm	0.0605 ppm	0.0977 ppm	0.1520 ppm	141.8979 ppm	5.7179 ppm	0.1468 ppm
Concentration per Run	0.0018 ppm	0.0608 ppm	0.0987 ppm	0.1515 ppm	140.0215 ppm	5.6588 ppm	0.1415 ppm
Concentration per Run	0.0015 ppm	0.0622 ppm	0.0997 ppm	0.1530 ppm	141.0808 ppm	5.6703 ppm	0.1485 ppm
Concentration RSD	9.7 %	1.5 %	1.0 %	0.5 %	0.7 %	0.6 %	2.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	39.8718 ppm	5.4979 ppm	0.0024 ppm	0.4330 ppm	0.1389 ppm	0.1228 ppm	-0.0007 ppm
Concentration per Run	39.7291 ppm	5.5205 ppm	0.0024 ppm	0.4307 ppm	0.1390 ppm	0.1227 ppm	-0.0015 ppm
Concentration per Run	39.9104 ppm	5.4744 ppm	0.0020 ppm	0.4357 ppm	0.1392 ppm	0.1218 ppm	0.0007 ppm
Concentration per Run	39.9758 ppm	5.4987 ppm	0.0029 ppm	0.4325 ppm	0.1386 ppm	0.1238 ppm	-0.0013 ppm
Concentration RSD	0.3 %	0.4 %	17.1 %	0.6 %	0.2 %	0.8 %	173.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0012 ppm	3.0231 ppm	0.0097 ppm	0.2025 ppm	0.2624 ppm	-0.0005 ppm	0.0874 ppm
Concentration per Run	-0.0037 ppm	3.0086 ppm	0.0086 ppm	0.2035 ppm	0.2616 ppm	0.0005 ppm	0.0869 ppm
Concentration per Run	0.0048 ppm	3.0247 ppm	0.0105 ppm	0.2010 ppm	0.2628 ppm	-0.0022 ppm	0.0869 ppm
Concentration per Run	0.0026 ppm	3.0360 ppm	0.0101 ppm	0.2030 ppm	0.2628 ppm	0.0002 ppm	0.0883 ppm
Concentration RSD	358.8 %	0.5 %	10.4 %	0.7 %	0.3 %	304.2 %	0.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6158 ppm	97.7156 %	101.9338 %	92.2004 %	106.5544 %	112.0138 %	107.9157 %
Concentration per Run	0.6105 ppm	98.2959 %	101.6440 %	91.5472 %	106.9808 %	112.5571 %	107.3241 %
Concentration per Run	0.6162 ppm	97.6805 %	102.6682 %	93.3539 %	106.4936 %	111.9524 %	108.8445 %
Concentration per Run	0.6208 ppm	97.1703 %	101.4893 %	91.7001 %	106.1887 %	111.5318 %	107.5784 %
Concentration RSD	0.8 %	0.6 %	0.6 %	1.1 %	0.4 %	0.5 %	0.8 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2574897-06D2 WG2146092
Analysis started at: 11/28/2025 7:50:18 AM
Comment <Comment>
Rack Number 1
Vial Numbers 23

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0004 ppm	56.9916 ppm	0.0438 ppm	0.0227 ppm	0.6578 ppm	0.0028 ppm	202.5229 ppm
Concentration per Run	0.0005 ppm	57.0534 ppm	0.0440 ppm	0.0212 ppm	0.6561 ppm	0.0028 ppm	202.8099 ppm
Concentration per Run	0.0003 ppm	56.9914 ppm	0.0431 ppm	0.0238 ppm	0.6560 ppm	0.0027 ppm	202.3850 ppm
Concentration per Run	0.0005 ppm	56.9300 ppm	0.0444 ppm	0.0231 ppm	0.6613 ppm	0.0028 ppm	202.3737 ppm
Concentration RSD	26.8 %	0.1 %	1.5 %	6.1 %	0.5 %	1.5 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0016 ppm	0.0577 ppm	0.1025 ppm	0.1689 ppm	139.7439 ppm	4.5252 ppm	0.1461 ppm
Concentration per Run	0.0016 ppm	0.0579 ppm	0.1017 ppm	0.1680 ppm	139.7865 ppm	4.5628 ppm	0.1509 ppm
Concentration per Run	0.0015 ppm	0.0578 ppm	0.1029 ppm	0.1689 ppm	139.7249 ppm	4.4984 ppm	0.1419 ppm
Concentration per Run	0.0017 ppm	0.0575 ppm	0.1029 ppm	0.1697 ppm	139.7203 ppm	4.5142 ppm	0.1454 ppm
Concentration RSD	4.9 %	0.4 %	0.7 %	0.5 %	0.0 %	0.7 %	3.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	57.3488 ppm	5.1044 ppm	0.0009 ppm	0.6832 ppm	0.1343 ppm	0.1268 ppm	-0.0002 ppm
Concentration per Run	57.2532 ppm	5.1006 ppm	0.0008 ppm	0.6820 ppm	0.1334 ppm	0.1285 ppm	0.0017 ppm
Concentration per Run	57.1878 ppm	5.1008 ppm	0.0010 ppm	0.6812 ppm	0.1341 ppm	0.1265 ppm	-0.0018 ppm
Concentration per Run	57.6053 ppm	5.1120 ppm	0.0010 ppm	0.6865 ppm	0.1354 ppm	0.1252 ppm	-0.0005 ppm
Concentration RSD	0.4 %	0.1 %	9.5 %	0.4 %	0.8 %	1.3 %	838.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0025 ppm	3.2756 ppm	0.0083 ppm	0.2461 ppm	0.4034 ppm	-0.0006 ppm	0.1002 ppm
Concentration per Run	0.0000 ppm	3.2640 ppm	0.0070 ppm	0.2456 ppm	0.4031 ppm	-0.0005 ppm	0.0998 ppm
Concentration per Run	0.0025 ppm	3.2906 ppm	0.0083 ppm	0.2454 ppm	0.4033 ppm	-0.0003 ppm	0.1005 ppm
Concentration per Run	0.0050 ppm	3.2721 ppm	0.0097 ppm	0.2472 ppm	0.4037 ppm	-0.0010 ppm	0.1004 ppm
Concentration RSD	100.1 %	0.4 %	16.3 %	0.4 %	0.1 %	59.7 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5864 ppm	96.4257 %	100.9261 %	90.6272 %	108.3182 %	114.0374 %	109.5045 %
Concentration per Run	0.5839 ppm	96.7719 %	100.6851 %	90.4983 %	108.4896 %	114.3811 %	109.4696 %
Concentration per Run	0.5885 ppm	96.4126 %	100.6884 %	90.4038 %	108.4749 %	113.5414 %	109.0947 %
Concentration per Run	0.5868 ppm	96.0925 %	101.4050 %	90.9794 %	107.9900 %	114.1898 %	109.9492 %
Concentration RSD	0.4 %	0.4 %	0.4 %	0.3 %	0.3 %	0.4 %	0.4 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2574898-01D2 WG2146092
Analysis started at: 11/28/2025 7:52:27 AM
Comment <Comment>
Rack Number 1
Vial Numbers 24

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0011 ppm	63.8836 ppm	0.0531 ppm	0.0202 ppm	0.8624 ppm	0.0036 ppm	15.0975 ppm
Concentration per Run	0.0008 ppm	63.9654 ppm	0.0532 ppm	0.0184 ppm	0.8637 ppm	0.0037 ppm	15.1304 ppm
Concentration per Run	0.0012 ppm	63.5174 ppm	0.0519 ppm	0.0206 ppm	0.8586 ppm	0.0036 ppm	15.0076 ppm
Concentration per Run	0.0013 ppm	64.1681 ppm	0.0543 ppm	0.0215 ppm	0.8650 ppm	0.0036 ppm	15.1543 ppm
Concentration RSD	23.8 %	0.5 %	2.2 %	8.1 %	0.4 %	1.1 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0031 ppm	0.0727 ppm	0.0865 ppm	0.1251 ppm	145.6016 ppm	5.9333 ppm	0.1663 ppm
Concentration per Run	0.0031 ppm	0.0732 ppm	0.0868 ppm	0.1255 ppm	146.3575 ppm	6.0024 ppm	0.1677 ppm
Concentration per Run	0.0030 ppm	0.0725 ppm	0.0873 ppm	0.1254 ppm	144.7988 ppm	5.8890 ppm	0.1648 ppm
Concentration per Run	0.0031 ppm	0.0725 ppm	0.0854 ppm	0.1244 ppm	145.6486 ppm	5.9084 ppm	0.1663 ppm
Concentration RSD	1.4 %	0.6 %	1.1 %	0.5 %	0.5 %	1.0 %	0.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	21.0092 ppm	4.1574 ppm	0.0014 ppm	0.1813 ppm	0.1469 ppm	0.2956 ppm	0.0029 ppm
Concentration per Run	21.1717 ppm	4.1652 ppm	0.0014 ppm	0.1796 ppm	0.1487 ppm	0.2945 ppm	0.0000 ppm
Concentration per Run	20.9118 ppm	4.1295 ppm	0.0013 ppm	0.1806 ppm	0.1461 ppm	0.2956 ppm	0.0038 ppm
Concentration per Run	20.9440 ppm	4.1774 ppm	0.0015 ppm	0.1838 ppm	0.1460 ppm	0.2966 ppm	0.0049 ppm
Concentration RSD	0.7 %	0.6 %	7.7 %	1.2 %	1.1 %	0.4 %	89.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0029 ppm	2.7735 ppm	0.0160 ppm	0.0473 ppm	0.2167 ppm	0.0007 ppm	0.0880 ppm
Concentration per Run	0.0037 ppm	2.7896 ppm	0.0160 ppm	0.0476 ppm	0.2168 ppm	-0.0001 ppm	0.0887 ppm
Concentration per Run	0.0006 ppm	2.7955 ppm	0.0158 ppm	0.0471 ppm	0.2172 ppm	0.0013 ppm	0.0887 ppm
Concentration per Run	0.0042 ppm	2.7354 ppm	0.0162 ppm	0.0472 ppm	0.2162 ppm	0.0009 ppm	0.0865 ppm
Concentration RSD	67.8 %	1.2 %	1.3 %	0.5 %	0.2 %	106.1 %	1.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5612 ppm	100.4517 %	101.9182 %	96.4574 %	110.5039 %	113.4853 %	112.4608 %
Concentration per Run	0.5632 ppm	99.9873 %	101.0829 %	96.1221 %	110.0470 %	113.1839 %	112.0772 %
Concentration per Run	0.5642 ppm	100.0598 %	103.2957 %	96.9064 %	110.3066 %	114.3826 %	112.9281 %
Concentration per Run	0.5564 ppm	101.3079 %	101.3761 %	96.3437 %	111.1582 %	112.8893 %	112.3770 %
Concentration RSD	0.8 %	0.7 %	1.2 %	0.4 %	0.5 %	0.7 %	0.4 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2574898-02D2 WG2146092
Analysis started at: 11/28/2025 7:54:36 AM
Comment <Comment>
Rack Number 1
Vial Numbers 25

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0011 ppm	66.7081 ppm	0.0544 ppm	0.0170 ppm	0.9102 ppm	0.0038 ppm	14.7242 ppm
Concentration per Run	0.0012 ppm	66.5853 ppm	0.0550 ppm	0.0162 ppm	0.9103 ppm	0.0038 ppm	14.6902 ppm
Concentration per Run	0.0015 ppm	66.9786 ppm	0.0532 ppm	0.0167 ppm	0.9145 ppm	0.0038 ppm	14.7770 ppm
Concentration per Run	0.0007 ppm	66.5604 ppm	0.0549 ppm	0.0181 ppm	0.9058 ppm	0.0038 ppm	14.7053 ppm
Concentration RSD	35.2 %	0.4 %	1.8 %	5.9 %	0.5 %	0.2 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0032 ppm	0.0772 ppm	0.0913 ppm	0.1312 ppm	152.3618 ppm	5.1369 ppm	0.1714 ppm
Concentration per Run	0.0033 ppm	0.0768 ppm	0.0913 ppm	0.1310 ppm	152.3047 ppm	5.1445 ppm	0.1732 ppm
Concentration per Run	0.0032 ppm	0.0778 ppm	0.0923 ppm	0.1314 ppm	152.8287 ppm	5.1687 ppm	0.1739 ppm
Concentration per Run	0.0031 ppm	0.0769 ppm	0.0903 ppm	0.1311 ppm	151.9522 ppm	5.0976 ppm	0.1671 ppm
Concentration RSD	3.0 %	0.7 %	1.1 %	0.1 %	0.3 %	0.7 %	2.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	21.8986 ppm	4.5289 ppm	0.0013 ppm	0.2049 ppm	0.1559 ppm	0.3036 ppm	0.0008 ppm
Concentration per Run	21.8873 ppm	4.5155 ppm	0.0014 ppm	0.2056 ppm	0.1559 ppm	0.3055 ppm	0.0070 ppm
Concentration per Run	21.8763 ppm	4.5530 ppm	0.0011 ppm	0.2118 ppm	0.1553 ppm	0.3025 ppm	-0.0038 ppm
Concentration per Run	21.9323 ppm	4.5182 ppm	0.0014 ppm	0.1973 ppm	0.1567 ppm	0.3028 ppm	-0.0007 ppm
Concentration RSD	0.1 %	0.5 %	14.2 %	3.6 %	0.5 %	0.5 %	668.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0035 ppm	2.5944 ppm	0.0160 ppm	0.0465 ppm	0.2182 ppm	0.0003 ppm	0.0921 ppm
Concentration per Run	0.0053 ppm	2.6040 ppm	0.0171 ppm	0.0466 ppm	0.2180 ppm	-0.0003 ppm	0.0920 ppm
Concentration per Run	-0.0003 ppm	2.5999 ppm	0.0160 ppm	0.0468 ppm	0.2187 ppm	0.0004 ppm	0.0923 ppm
Concentration per Run	0.0054 ppm	2.5793 ppm	0.0150 ppm	0.0461 ppm	0.2179 ppm	0.0010 ppm	0.0920 ppm
Concentration RSD	94.1 %	0.5 %	6.4 %	0.8 %	0.2 %	184.8 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5850 ppm	100.7612 %	102.9693 %	96.2747 %	111.4144 %	114.8584 %	113.0512 %
Concentration per Run	0.5877 ppm	100.6947 %	103.4703 %	96.1308 %	110.8951 %	115.8686 %	113.0544 %
Concentration per Run	0.5859 ppm	100.3984 %	102.4577 %	96.2124 %	111.5270 %	114.3382 %	112.5158 %
Concentration per Run	0.5814 ppm	101.1904 %	102.9799 %	96.4810 %	111.8212 %	114.3684 %	113.5833 %
Concentration RSD	0.6 %	0.4 %	0.5 %	0.2 %	0.4 %	0.8 %	0.5 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574898-14D2 WG2146092
Analysis started at: 11/28/2025 7:56:45 AM
Comment <Comment>
Rack Number 1
Vial Numbers 13

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0021 ppm	73.4655 ppm	0.0846 ppm	0.0703 ppm	0.9446 ppm	0.0052 ppm	39.0507 ppm
Concentration per Run	0.0021 ppm	73.2858 ppm	0.0854 ppm	0.0705 ppm	0.9408 ppm	0.0052 ppm	38.8656 ppm
Concentration per Run	0.0024 ppm	73.3909 ppm	0.0853 ppm	0.0707 ppm	0.9428 ppm	0.0052 ppm	39.1541 ppm
Concentration per Run	0.0017 ppm	73.7198 ppm	0.0830 ppm	0.0697 ppm	0.9502 ppm	0.0052 ppm	39.1322 ppm
Concentration RSD	16.7 %	0.3 %	1.7 %	0.8 %	0.5 %	0.5 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0098 ppm	0.1000 ppm	0.1095 ppm	0.1927 ppm	168.5097 ppm	6.8730 ppm	0.1880 ppm
Concentration per Run	0.0097 ppm	0.0987 ppm	0.1097 ppm	0.1918 ppm	168.4163 ppm	6.8659 ppm	0.1845 ppm
Concentration per Run	0.0099 ppm	0.1009 ppm	0.1088 ppm	0.1930 ppm	168.0295 ppm	6.8555 ppm	0.1883 ppm
Concentration per Run	0.0098 ppm	0.1004 ppm	0.1100 ppm	0.1933 ppm	169.0834 ppm	6.8978 ppm	0.1911 ppm
Concentration RSD	0.7 %	1.1 %	0.6 %	0.4 %	0.3 %	0.3 %	1.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	27.9109 ppm	5.6467 ppm	0.0030 ppm	0.3362 ppm	0.1972 ppm	0.8063 ppm	0.0049 ppm
Concentration per Run	27.7796 ppm	5.6190 ppm	0.0030 ppm	0.3336 ppm	0.1965 ppm	0.8063 ppm	0.0057 ppm
Concentration per Run	27.8662 ppm	5.6446 ppm	0.0036 ppm	0.3387 ppm	0.1974 ppm	0.8052 ppm	0.0031 ppm
Concentration per Run	28.0870 ppm	5.6766 ppm	0.0025 ppm	0.3364 ppm	0.1977 ppm	0.8073 ppm	0.0060 ppm
Concentration RSD	0.6 %	0.5 %	17.9 %	0.8 %	0.3 %	0.1 %	31.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0048 ppm	4.8258 ppm	0.0328 ppm	0.0895 ppm	0.2734 ppm	0.0000 ppm	0.1028 ppm
Concentration per Run	0.0066 ppm	4.8137 ppm	0.0344 ppm	0.0894 ppm	0.2739 ppm	0.0003 ppm	0.1022 ppm
Concentration per Run	0.0035 ppm	4.8325 ppm	0.0307 ppm	0.0890 ppm	0.2727 ppm	-0.0001 ppm	0.1029 ppm
Concentration per Run	0.0043 ppm	4.8311 ppm	0.0332 ppm	0.0902 ppm	0.2734 ppm	-0.0004 ppm	0.1033 ppm
Concentration RSD	33.5 %	0.2 %	5.7 %	0.6 %	0.2 %	901.0 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.9766 ppm	99.4381 %	102.1642 %	94.3044 %	110.0083 %	113.6096 %	111.7860 %
Concentration per Run	0.9757 ppm	100.2972 %	102.5404 %	94.5109 %	110.5115 %	114.0303 %	111.9475 %
Concentration per Run	0.9758 ppm	99.2715 %	102.0447 %	94.5378 %	109.8277 %	113.4235 %	112.2869 %
Concentration per Run	0.9784 ppm	98.7457 %	101.9073 %	93.8644 %	109.6856 %	113.3749 %	111.1236 %
Concentration RSD	0.2 %	0.8 %	0.3 %	0.4 %	0.4 %	0.3 %	0.5 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2146092-7D2 WG2146092
Analysis started at: 11/28/2025 7:58:54 AM
Comment <Comment>
Rack Number 1
Vial Numbers 14

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0529 ppm	75.8074 ppm	0.1921 ppm	0.9937 ppm	2.9717 ppm	0.0574 ppm	47.9416 ppm
Concentration per Run	0.0527 ppm	76.1200 ppm	0.1892 ppm	0.9850 ppm	2.9819 ppm	0.0575 ppm	48.1717 ppm
Concentration per Run	0.0528 ppm	75.4431 ppm	0.1929 ppm	0.9969 ppm	2.9597 ppm	0.0573 ppm	47.7310 ppm
Concentration per Run	0.0533 ppm	75.8590 ppm	0.1942 ppm	0.9992 ppm	2.9736 ppm	0.0573 ppm	47.9222 ppm
Concentration RSD	0.6 %	0.5 %	1.3 %	0.8 %	0.4 %	0.2 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0634 ppm	0.5969 ppm	0.3124 ppm	0.4556 ppm	167.9224 ppm	15.8505 ppm	0.1891 ppm
Concentration per Run	0.0633 ppm	0.5956 ppm	0.3121 ppm	0.4554 ppm	168.3849 ppm	15.8780 ppm	0.1927 ppm
Concentration per Run	0.0636 ppm	0.5968 ppm	0.3127 ppm	0.4550 ppm	167.9448 ppm	15.8206 ppm	0.1865 ppm
Concentration per Run	0.0634 ppm	0.5983 ppm	0.3122 ppm	0.4565 ppm	167.4376 ppm	15.8527 ppm	0.1881 ppm
Concentration RSD	0.3 %	0.2 %	0.1 %	0.2 %	0.3 %	0.2 %	1.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	37.5087 ppm	6.0399 ppm	0.9474 ppm	10.5848 ppm	0.6984 ppm	1.3563 ppm	0.2139 ppm
Concentration per Run	37.3779 ppm	6.0432 ppm	0.9457 ppm	10.6731 ppm	0.6973 ppm	1.3564 ppm	0.2123 ppm
Concentration per Run	37.5721 ppm	6.0280 ppm	0.9456 ppm	10.5213 ppm	0.6973 ppm	1.3523 ppm	0.2103 ppm
Concentration per Run	37.5760 ppm	6.0485 ppm	0.9509 ppm	10.5601 ppm	0.7005 ppm	1.3602 ppm	0.2191 ppm
Concentration RSD	0.3 %	0.2 %	0.3 %	0.7 %	0.3 %	0.3 %	2.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1198 ppm	13.2798 ppm	0.7837 ppm	1.0325 ppm	0.9300 ppm	0.1170 ppm	0.6269 ppm
Concentration per Run	0.1180 ppm	13.2901 ppm	0.7783 ppm	1.0371 ppm	0.9238 ppm	0.1184 ppm	0.6277 ppm
Concentration per Run	0.1194 ppm	13.2496 ppm	0.7874 ppm	1.0279 ppm	0.9272 ppm	0.1161 ppm	0.6262 ppm
Concentration per Run	0.1221 ppm	13.2997 ppm	0.7853 ppm	1.0326 ppm	0.9390 ppm	0.1166 ppm	0.6267 ppm
Concentration RSD	1.8 %	0.2 %	0.6 %	0.4 %	0.9 %	1.0 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.4740 ppm	99.1095 %	101.8614 %	92.6556 %	109.2131 %	113.1160 %	110.0452 %
Concentration per Run	1.4676 ppm	99.4442 %	101.3743 %	92.8121 %	109.6222 %	113.1577 %	110.3289 %
Concentration per Run	1.4798 ppm	99.0248 %	102.1965 %	93.1210 %	109.0886 %	112.6548 %	110.4342 %
Concentration per Run	1.4748 ppm	98.8597 %	102.0133 %	92.0339 %	108.9285 %	113.5355 %	109.3726 %
Concentration RSD	0.4 %	0.3 %	0.4 %	0.6 %	0.3 %	0.4 %	0.5 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2146092-8D2 WG2146092
Analysis started at: 11/28/2025 8:01:03 AM
Comment <Comment>
Rack Number 1
Vial Numbers 15

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0530 ppm	76.7691 ppm	0.1859 ppm	0.9867 ppm	2.9785 ppm	0.0570 ppm	50.1754 ppm
Concentration per Run	0.0528 ppm	76.9983 ppm	0.1862 ppm	0.9852 ppm	2.9710 ppm	0.0573 ppm	50.3314 ppm
Concentration per Run	0.0534 ppm	76.4049 ppm	0.1861 ppm	0.9835 ppm	2.9713 ppm	0.0567 ppm	49.9124 ppm
Concentration per Run	0.0528 ppm	76.9041 ppm	0.1855 ppm	0.9914 ppm	2.9933 ppm	0.0570 ppm	50.2825 ppm
Concentration RSD	0.6 %	0.4 %	0.2 %	0.4 %	0.4 %	0.5 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0634 ppm	0.5967 ppm	0.3117 ppm	0.4624 ppm	167.5364 ppm	16.0563 ppm	0.1938 ppm
Concentration per Run	0.0633 ppm	0.5972 ppm	0.3118 ppm	0.4617 ppm	167.8518 ppm	16.0788 ppm	0.1932 ppm
Concentration per Run	0.0632 ppm	0.5944 ppm	0.3098 ppm	0.4602 ppm	166.6334 ppm	15.9747 ppm	0.1900 ppm
Concentration per Run	0.0637 ppm	0.5986 ppm	0.3134 ppm	0.4652 ppm	168.1238 ppm	16.1152 ppm	0.1981 ppm
Concentration RSD	0.5 %	0.4 %	0.6 %	0.6 %	0.5 %	0.5 %	2.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	37.8082 ppm	6.1760 ppm	0.9448 ppm	10.5868 ppm	0.6983 ppm	1.4105 ppm	0.2260 ppm
Concentration per Run	37.7777 ppm	6.2013 ppm	0.9429 ppm	10.5880 ppm	0.6973 ppm	1.4126 ppm	0.2236 ppm
Concentration per Run	37.7833 ppm	6.1436 ppm	0.9377 ppm	10.5356 ppm	0.6950 ppm	1.4054 ppm	0.2260 ppm
Concentration per Run	37.8638 ppm	6.1829 ppm	0.9539 ppm	10.6369 ppm	0.7027 ppm	1.4135 ppm	0.2285 ppm
Concentration RSD	0.1 %	0.5 %	0.9 %	0.5 %	0.6 %	0.3 %	1.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1188 ppm	10.4200 ppm	0.7479 ppm	1.0378 ppm	0.9356 ppm	0.1190 ppm	0.6269 ppm
Concentration per Run	0.1174 ppm	10.4228 ppm	0.7512 ppm	1.0353 ppm	0.9358 ppm	0.1203 ppm	0.6271 ppm
Concentration per Run	0.1192 ppm	10.3655 ppm	0.7422 ppm	1.0356 ppm	0.9328 ppm	0.1170 ppm	0.6232 ppm
Concentration per Run	0.1199 ppm	10.4718 ppm	0.7503 ppm	1.0424 ppm	0.9382 ppm	0.1197 ppm	0.6305 ppm
Concentration RSD	1.1 %	0.5 %	0.7 %	0.4 %	0.3 %	1.5 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.4884 ppm	99.2380 %	102.1162 %	92.9663 %	110.1770 %	114.1173 %	110.4206 %
Concentration per Run	1.4861 ppm	99.1026 %	101.0829 %	92.6346 %	110.1043 %	113.4040 %	110.3014 %
Concentration per Run	1.4830 ppm	99.6997 %	103.1987 %	93.5844 %	110.2333 %	114.4854 %	110.8858 %
Concentration per Run	1.4962 ppm	98.9118 %	102.0671 %	92.6799 %	110.1935 %	114.4625 %	110.0745 %
Concentration RSD	0.5 %	0.4 %	1.0 %	0.6 %	0.1 %	0.5 %	0.4 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2146092-9D2 WG2146092
Analysis started at: 11/28/2025 8:03:12 AM
Comment <Comment>
Rack Number 1
Vial Numbers 16

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0482 ppm	72.6615 ppm	0.1861 ppm	1.0635 ppm	2.7661 ppm	0.0520 ppm	47.6420 ppm
Concentration per Run	0.0475 ppm	73.0503 ppm	0.1855 ppm	1.0593 ppm	2.7857 ppm	0.0523 ppm	47.8581 ppm
Concentration per Run	0.0486 ppm	72.6528 ppm	0.1857 ppm	1.0726 ppm	2.7754 ppm	0.0522 ppm	47.6919 ppm
Concentration per Run	0.0484 ppm	72.2813 ppm	0.1872 ppm	1.0587 ppm	2.7373 ppm	0.0514 ppm	47.3760 ppm
Concentration RSD	1.3 %	0.5 %	0.5 %	0.7 %	0.9 %	0.9 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0611 ppm	0.5448 ppm	0.2899 ppm	0.4229 ppm	163.0762 ppm	17.0515 ppm	0.1829 ppm
Concentration per Run	0.0611 ppm	0.5430 ppm	0.2892 ppm	0.4219 ppm	163.6162 ppm	17.1688 ppm	0.1857 ppm
Concentration per Run	0.0616 ppm	0.5476 ppm	0.2924 ppm	0.4253 ppm	163.8550 ppm	17.1066 ppm	0.1842 ppm
Concentration per Run	0.0607 ppm	0.5439 ppm	0.2881 ppm	0.4216 ppm	161.7573 ppm	16.8790 ppm	0.1788 ppm
Concentration RSD	0.7 %	0.4 %	0.8 %	0.5 %	0.7 %	0.9 %	2.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	36.5767 ppm	5.8834 ppm	0.9991 ppm	10.7522 ppm	0.6439 ppm	1.2957 ppm	0.4894 ppm
Concentration per Run	36.5573 ppm	5.9136 ppm	0.9938 ppm	10.7733 ppm	0.6411 ppm	1.2987 ppm	0.4899 ppm
Concentration per Run	36.5562 ppm	5.8931 ppm	1.0048 ppm	10.7346 ppm	0.6458 ppm	1.2963 ppm	0.4923 ppm
Concentration per Run	36.6164 ppm	5.8436 ppm	0.9987 ppm	10.7488 ppm	0.6448 ppm	1.2920 ppm	0.4860 ppm
Concentration RSD	0.1 %	0.6 %	0.5 %	0.2 %	0.4 %	0.3 %	0.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1244 ppm	5.7737 ppm	1.0171 [SIC 50]	1.0627 ppm	1.2638 ppm	0.1169 ppm	0.5751 ppm
Concentration per Run	0.1248 ppm	5.7575 ppm	1.0118 ppm	1.0688 ppm	1.2636 ppm	0.1179 ppm	0.5743 ppm
Concentration per Run	0.1215 ppm	5.8145 ppm	1.0261 ppm	1.0665 ppm	1.2699 ppm	0.1143 ppm	0.5799 ppm
Concentration per Run	0.1269 ppm	5.7492 ppm	1.0134 ppm	1.0526 ppm	1.2579 ppm	0.1185 ppm	0.5712 ppm
Concentration RSD	2.2 %	0.6 %	0.8 %	0.8 %	0.5 %	1.9 %	0.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.4024 ppm	99.0753 %	101.5627 %	93.4269 %	108.7366 %	112.8675 %	109.9651 %
Concentration per Run	1.3973 ppm	99.2305 %	101.9235 %	92.4036 %	108.9496 %	113.7583 %	109.0871 %
Concentration per Run	1.4181 ppm	98.6581 %	101.0776 %	93.7245 %	108.3452 %	112.9409 %	110.1722 %
Concentration per Run	1.3920 ppm	99.3371 %	101.6869 %	94.1526 %	108.9151 %	111.9033 %	110.6358 %
Concentration RSD	1.0 %	0.4 %	0.4 %	1.0 %	0.3 %	0.8 %	0.7 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2146092-10D10 WG2146092
Analysis started at: 11/28/2025 8:05:22 AM
Comment <Comment>
Rack Number 1
Vial Numbers 17

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0004 ppm	14.1404 ppm	0.0171 ppm	0.0147 ppm	0.1811 ppm	0.0010 ppm	7.5128 ppm
Concentration per Run	0.0000 ppm	14.1958 ppm	0.0186 ppm	0.0157 ppm	0.1821 ppm	0.0010 ppm	7.5477 ppm
Concentration per Run	0.0007 ppm	14.1199 ppm	0.0163 ppm	0.0136 ppm	0.1806 ppm	0.0010 ppm	7.5004 ppm
Concentration per Run	0.0005 ppm	14.1056 ppm	0.0164 ppm	0.0149 ppm	0.1806 ppm	0.0010 ppm	7.4903 ppm
Concentration RSD	99.1 %	0.3 %	7.5 %	7.2 %	0.5 %	3.2 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0019 ppm	0.0191 ppm	0.0202 ppm	0.0358 ppm	33.2196 ppm	1.2793 ppm	0.0378 ppm
Concentration per Run	0.0019 ppm	0.0196 ppm	0.0207 ppm	0.0361 ppm	33.3804 ppm	1.2968 ppm	0.0387 ppm
Concentration per Run	0.0019 ppm	0.0190 ppm	0.0202 ppm	0.0352 ppm	33.2073 ppm	1.2871 ppm	0.0367 ppm
Concentration per Run	0.0019 ppm	0.0188 ppm	0.0196 ppm	0.0362 ppm	33.0710 ppm	1.2540 ppm	0.0382 ppm
Concentration RSD	1.5 %	2.2 %	2.7 %	1.6 %	0.5 %	1.8 %	2.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	5.4707 ppm	1.1022 ppm	0.0009 ppm	0.0581 ppm	0.0386 ppm	0.1509 ppm	0.0044 ppm
Concentration per Run	5.4854 ppm	1.1073 ppm	0.0011 ppm	0.0614 ppm	0.0389 ppm	0.1506 ppm	0.0053 ppm
Concentration per Run	5.4559 ppm	1.1010 ppm	0.0008 ppm	0.0625 ppm	0.0386 ppm	0.1510 ppm	0.0051 ppm
Concentration per Run	5.4707 ppm	1.0982 ppm	0.0009 ppm	0.0504 ppm	0.0382 ppm	0.1512 ppm	0.0028 ppm
Concentration RSD	0.3 %	0.4 %	11.4 %	11.6 %	1.0 %	0.2 %	31.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0036 ppm	0.9401 ppm	0.0068 ppm	0.0171 ppm	0.0515 ppm	0.0008 ppm	0.0193 ppm
Concentration per Run	0.0051 ppm	0.9391 ppm	0.0073 ppm	0.0172 ppm	0.0517 ppm	-0.0010 ppm	0.0194 ppm
Concentration per Run	0.0016 ppm	0.9435 ppm	0.0062 ppm	0.0170 ppm	0.0515 ppm	0.0012 ppm	0.0194 ppm
Concentration per Run	0.0042 ppm	0.9376 ppm	0.0068 ppm	0.0171 ppm	0.0515 ppm	0.0022 ppm	0.0191 ppm
Concentration RSD	50.9 %	0.3 %	7.9 %	0.6 %	0.2 %	207.6 %	0.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1874 ppm	101.3708 %	100.2661 %	99.6684 %	102.1568 %	101.7191 %	102.3613 %
Concentration per Run	0.1883 ppm	100.9804 %	100.0083 %	99.7753 %	101.9574 %	101.9102 %	102.3614 %
Concentration per Run	0.1877 ppm	101.7967 %	100.5122 %	99.2972 %	102.6350 %	101.9817 %	102.3764 %
Concentration per Run	0.1861 ppm	101.3354 %	100.2778 %	99.9327 %	101.8781 %	101.2654 %	102.3461 %
Concentration RSD	0.6 %	0.4 %	0.3 %	0.3 %	0.4 %	0.4 %	0.0 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: CCV
Analysis started at: 11/28/2025 8:07:31 AM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5042 ppm	0.4819 ppm	0.4799 ppm	0.4920 ppm	0.4993 ppm	0.5052 ppm	0.4944 ppm
Concentration per Run	0.5055 ppm	0.4895 ppm	0.4782 ppm	0.4928 ppm	0.5019 ppm	0.5078 ppm	0.4969 ppm
Concentration per Run	0.5054 ppm	0.4751 ppm	0.4789 ppm	0.4908 ppm	0.4970 ppm	0.5035 ppm	0.4932 ppm
Concentration per Run	0.5015 ppm	0.4811 ppm	0.4825 ppm	0.4924 ppm	0.4990 ppm	0.5042 ppm	0.4931 ppm
Recovery Percentage	100.832 %	96.383 %	95.973 %	98.399 %	99.864 %	101.035 %	98.875 %
Concentration RSD	0.5 %	1.5 %	0.5 %	0.2 %	0.5 %	0.5 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5154 ppm	0.5121 ppm	0.5109 ppm	0.5148 ppm	0.4968 ppm	5.1483 ppm	0.5226 ppm
Concentration per Run	0.5168 ppm	0.5123 ppm	0.5149 ppm	0.5164 ppm	0.4998 ppm	5.2055 ppm	0.5261 ppm
Concentration per Run	0.5155 ppm	0.5111 ppm	0.5107 ppm	0.5142 ppm	0.4960 ppm	5.1285 ppm	0.5153 ppm
Concentration per Run	0.5140 ppm	0.5129 ppm	0.5072 ppm	0.5138 ppm	0.4946 ppm	5.1109 ppm	0.5264 ppm
Recovery Percentage	103.088 %	102.418 %	102.190 %	102.966 %	99.362 %	102.966 %	104.523 %
Concentration RSD	0.3 %	0.2 %	0.7 %	0.3 %	0.5 %	1.0 %	1.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5030 ppm	0.5067 ppm	0.4893 ppm	10.1292 ppm	0.5143 ppm	0.4936 ppm	0.5110 ppm
Concentration per Run	0.5053 ppm	0.5096 ppm	0.4902 ppm	10.1755 ppm	0.5147 ppm	0.4918 ppm	0.5082 ppm
Concentration per Run	0.5008 ppm	0.5043 ppm	0.4871 ppm	10.0722 ppm	0.5162 ppm	0.4962 ppm	0.5142 ppm
Concentration per Run	0.5029 ppm	0.5061 ppm	0.4905 ppm	10.1398 ppm	0.5120 ppm	0.4929 ppm	0.5107 ppm
Recovery Percentage	100.595 %	101.336 %	97.853 %	101.292 %	102.859 %	98.724 %	102.209 %
Concentration RSD	0.4 %	0.5 %	0.4 %	0.5 %	0.4 %	0.5 %	0.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4798 ppm	5.3959 ppm	0.4972 ppm	0.4946 ppm	0.4953 ppm	0.4997 ppm	0.5100 ppm
Concentration per Run	0.4818 ppm	5.3950 ppm	0.4919 ppm	0.4965 ppm	0.4932 ppm	0.4977 ppm	0.5109 ppm
Concentration per Run	0.4796 ppm	5.3932 ppm	0.4990 ppm	0.4929 ppm	0.4961 ppm	0.4990 ppm	0.5093 ppm
Concentration per Run	0.4780 ppm	5.3994 ppm	0.5006 ppm	0.4944 ppm	0.4965 ppm	0.5023 ppm	0.5097 ppm
Recovery Percentage	95.960 %	102.779 %	99.431 %	98.928 %	99.053 %	99.937 %	101.993 %
Concentration RSD	0.4 %	0.1 %	0.9 %	0.4 %	0.4 %	0.5 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5126 ppm	100.4574 %	99.7924 %	100.8473 %	98.3342 %	98.2480 %	99.7058 %
Concentration per Run	0.5154 ppm	100.1543 %	98.6145 %	101.3761 %	97.8902 %	97.2136 %	100.3102 %
Concentration per Run	0.5129 ppm	100.7652 %	100.7305 %	100.6219 %	98.6992 %	98.8457 %	99.4807 %
Concentration per Run	0.5095 ppm	100.4527 %	100.0323 %	100.5438 %	98.4133 %	98.6847 %	99.3264 %
Recovery Percentage	102.520 %						
Concentration RSD	0.6 %	0.3 %	1.1 %	0.5 %	0.4 %	0.9 %	0.5 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: CCB
Analysis started at: 11/28/2025 8:09:40 AM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	0.0069 ppm	-0.0008 ppm	0.0013 ppm	0.0002 ppm	0.0001 ppm	-0.0030 ppm
Concentration per Run	-0.0003 ppm	0.0006 ppm	-0.0026 ppm	0.0010 ppm	0.0001 ppm	0.0001 ppm	-0.0045 ppm
Concentration per Run	-0.0003 ppm	0.0022 ppm	0.0006 ppm	0.0016 ppm	0.0003 ppm	0.0001 ppm	-0.0016 ppm
Concentration per Run	0.0001 ppm	0.0178 ppm	-0.0005 ppm	0.0012 ppm	0.0003 ppm	0.0000 ppm	-0.0027 ppm
Recovery Percentage	-2.653 %	6.866 %	-16.985 %	4.191 %	2.423 %	1.460 %	-2.957 %
Concentration RSD	122.6 %	137.9 %	191.5 %	25.3 %	49.1 %	28.5 %	49.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	-0.0005 ppm	-0.0003 ppm	0.0007 ppm	-0.0260 ppm	0.0024 ppm
Concentration per Run	0.0000 ppm	0.0003 ppm	-0.0005 ppm	0.0001 ppm	0.0002 ppm	-0.0214 ppm	0.0016 ppm
Concentration per Run	0.0001 ppm	0.0005 ppm	-0.0002 ppm	-0.0007 ppm	0.0013 ppm	-0.0146 ppm	0.0022 ppm
Concentration per Run	0.0000 ppm	-0.0006 ppm	-0.0007 ppm	-0.0003 ppm	0.0007 ppm	-0.0422 ppm	0.0033 ppm
Recovery Percentage	0.144 %	0.162 %	-4.868 %	-3.155 %	1.461 %	-1.041 %	47.303 %
Concentration RSD	756.8 %	1,769.3 %	51.3 %	116.1 %	76.6 %	55.2 %	36.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0010 ppm	0.0001 ppm	0.0002 ppm	-0.0048 ppm	-0.0007 ppm	-0.0010 ppm	0.0033 ppm
Concentration per Run	0.0007 ppm	0.0002 ppm	0.0006 ppm	-0.0025 ppm	-0.0009 ppm	-0.0008 ppm	0.0056 ppm
Concentration per Run	0.0021 ppm	0.0000 ppm	0.0000 ppm	-0.0044 ppm	-0.0006 ppm	-0.0014 ppm	0.0043 ppm
Concentration per Run	0.0001 ppm	0.0002 ppm	0.0002 ppm	-0.0076 ppm	-0.0006 ppm	-0.0008 ppm	0.0001 ppm
Recovery Percentage	0.979 %	1.182 %	0.458 %	-0.242 %	-2.784 %	-9.972 %	6.651 %
Concentration RSD	107.7 %	113.6 %	133.2 %	52.8 %	24.1 %	33.0 %	86.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0026 ppm	0.0129 ppm	0.0006 ppm	0.0001 ppm	-0.0001 ppm	0.0009 ppm	-0.0001 ppm
Concentration per Run	0.0053 ppm	0.0115 ppm	-0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0002 ppm	-0.0003 ppm
Concentration per Run	0.0006 ppm	0.0116 ppm	0.0016 ppm	0.0002 ppm	-0.0002 ppm	0.0016 ppm	0.0002 ppm
Concentration per Run	0.0020 ppm	0.0156 ppm	0.0002 ppm	0.0001 ppm	0.0000 ppm	0.0010 ppm	-0.0004 ppm
Recovery Percentage	26.234 %	2.586 %	1.143 %	1.312 %	-0.705 %	4.719 %	-1.402 %
Concentration RSD	91.1 %	17.8 %	154.3 %	54.6 %	219.6 %	73.1 %	221.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	99.0663 %	98.1888 %	99.1598 %	99.2888 %	98.0258 %	99.0710 %
Concentration per Run	0.0002 ppm	99.1425 %	96.7695 %	98.8215 %	99.0211 %	96.9877 %	98.6485 %
Concentration per Run	0.0002 ppm	99.1689 %	99.6017 %	99.2917 %	99.4902 %	99.3176 %	99.1174 %
Concentration per Run	0.0004 ppm	98.8875 %	98.1951 %	99.3663 %	99.3550 %	97.7722 %	99.4472 %
Recovery Percentage	4.903 %						
Concentration RSD	52.1 %	0.2 %	1.4 %	0.3 %	0.2 %	1.2 %	0.4 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574898-03D2 WG2146092
Analysis started at: 11/28/2025 8:16:08 AM
Comment <Comment>
Rack Number 1
Vial Numbers 26

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0009 ppm	60.8688 ppm	0.0561 ppm	0.0332 ppm	0.8155 ppm	0.0034 ppm	49.7760 ppm
Concentration per Run	0.0008 ppm	61.4313 ppm	0.0571 ppm	0.0325 ppm	0.8233 ppm	0.0034 ppm	50.2541 ppm
Concentration per Run	0.0010 ppm	60.5873 ppm	0.0559 ppm	0.0336 ppm	0.8116 ppm	0.0034 ppm	49.5379 ppm
Concentration per Run	0.0010 ppm	60.5879 ppm	0.0555 ppm	0.0333 ppm	0.8117 ppm	0.0033 ppm	49.5361 ppm
Concentration RSD	10.0 %	0.8 %	1.5 %	1.7 %	0.8 %	1.3 %	0.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0028 ppm	0.0644 ppm	0.0966 ppm	0.1587 ppm	154.7727 ppm	5.6841 ppm	0.1430 ppm
Concentration per Run	0.0030 ppm	0.0646 ppm	0.0960 ppm	0.1588 ppm	155.9846 ppm	5.7418 ppm	0.1457 ppm
Concentration per Run	0.0027 ppm	0.0641 ppm	0.0953 ppm	0.1578 ppm	154.1367 ppm	5.6526 ppm	0.1413 ppm
Concentration per Run	0.0026 ppm	0.0643 ppm	0.0984 ppm	0.1594 ppm	154.1966 ppm	5.6578 ppm	0.1420 ppm
Concentration RSD	6.7 %	0.4 %	1.7 %	0.5 %	0.7 %	0.9 %	1.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	28.9737 ppm	4.3314 ppm	0.0021 ppm	7.1015 ppm	0.1305 ppm	0.1322 ppm	0.0002 ppm
Concentration per Run	28.8730 ppm	4.3634 ppm	0.0022 ppm	7.1923 ppm	0.1307 ppm	0.1313 ppm	0.0003 ppm
Concentration per Run	28.9507 ppm	4.3148 ppm	0.0026 ppm	7.0502 ppm	0.1300 ppm	0.1316 ppm	0.0009 ppm
Concentration per Run	29.0973 ppm	4.3162 ppm	0.0016 ppm	7.0618 ppm	0.1307 ppm	0.1336 ppm	-0.0005 ppm
Concentration RSD	0.4 %	0.6 %	22.7 %	1.1 %	0.3 %	1.0 %	288.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0022 ppm	3.3469 ppm	0.0108 ppm	0.1060 ppm	0.2852 ppm	-0.0014 ppm	0.0893 ppm
Concentration per Run	0.0012 ppm	3.3439 ppm	0.0100 ppm	0.1075 ppm	0.2845 ppm	-0.0013 ppm	0.0893 ppm
Concentration per Run	0.0038 ppm	3.3335 ppm	0.0104 ppm	0.1049 ppm	0.2855 ppm	-0.0038 ppm	0.0890 ppm
Concentration per Run	0.0017 ppm	3.3634 ppm	0.0120 ppm	0.1056 ppm	0.2856 ppm	0.0008 ppm	0.0896 ppm
Concentration RSD	62.4 %	0.5 %	10.0 %	1.3 %	0.2 %	160.3 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5481 ppm	100.3717 %	101.9547 %	94.5875 %	108.5180 %	111.8714 %	109.6516 %
Concentration per Run	0.5455 ppm	100.7120 %	100.8733 %	94.6806 %	108.7000 %	112.3387 %	109.6885 %
Concentration per Run	0.5438 ppm	100.8443 %	102.2643 %	94.6086 %	109.0508 %	111.1646 %	109.6121 %
Concentration per Run	0.5550 ppm	99.5590 %	102.7267 %	94.4733 %	107.8033 %	112.1107 %	109.6542 %
Concentration RSD	1.1 %	0.7 %	0.9 %	0.1 %	0.6 %	0.6 %	0.0 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574898-04D2 WG2146092
Analysis started at: 11/28/2025 8:18:23 AM
Comment <Comment>
Rack Number 1
Vial Numbers 27

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0009 ppm	106.4239 ppm	0.0653 ppm	0.0170 ppm	1.4246 ppm	0.0056 ppm	39.3428 ppm
Concentration per Run	0.0009 ppm	106.1695 ppm	0.0638 ppm	0.0157 ppm	1.4260 ppm	0.0055 ppm	39.2685 ppm
Concentration per Run	0.0004 ppm	107.2152 ppm	0.0640 ppm	0.0161 ppm	1.4320 ppm	0.0056 ppm	39.4913 ppm
Concentration per Run	0.0014 ppm	105.8870 ppm	0.0682 ppm	0.0192 ppm	1.4160 ppm	0.0056 ppm	39.2685 ppm
Concentration RSD	53.1 %	0.7 %	3.8 %	11.4 %	0.6 %	0.9 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0023 ppm	0.1059 ppm	0.1390 ppm	0.1524 ppm	235.1965 ppm	7.3768 ppm	0.2640 ppm
Concentration per Run	0.0023 ppm	0.1054 ppm	0.1374 ppm	0.1512 ppm	235.0913 ppm	7.4036 ppm	0.2685 ppm
Concentration per Run	0.0022 ppm	0.1057 ppm	0.1394 ppm	0.1527 ppm	236.6415 ppm	7.4295 ppm	0.2647 ppm
Concentration per Run	0.0023 ppm	0.1064 ppm	0.1401 ppm	0.1534 ppm	233.8567 ppm	7.2971 ppm	0.2590 ppm
Concentration RSD	3.5 %	0.5 %	1.0 %	0.7 %	0.6 %	1.0 %	1.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	38.4074 ppm	5.1150 ppm	-0.0003 ppm	7.3956 ppm	0.2100 ppm	0.0986 ppm	-0.0017 ppm
Concentration per Run	38.3390 ppm	5.0941 ppm	-0.0004 ppm	7.3694 ppm	0.2095 ppm	0.0979 ppm	-0.0023 ppm
Concentration per Run	38.3864 ppm	5.1561 ppm	-0.0001 ppm	7.4686 ppm	0.2088 ppm	0.0994 ppm	-0.0004 ppm
Concentration per Run	38.4969 ppm	5.0948 ppm	-0.0002 ppm	7.3489 ppm	0.2116 ppm	0.0985 ppm	-0.0026 ppm
Concentration RSD	0.2 %	0.7 %	68.8 %	0.9 %	0.7 %	0.8 %	69.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0027 ppm	2.8438 ppm	0.0072 ppm	0.1030 ppm	0.2847 ppm	-0.0010 ppm	0.1695 ppm
Concentration per Run	0.0019 ppm	2.8417 ppm	0.0067 ppm	0.1030 ppm	0.2838 ppm	-0.0012 ppm	0.1681 ppm
Concentration per Run	0.0006 ppm	2.8344 ppm	0.0066 ppm	0.1037 ppm	0.2848 ppm	0.0008 ppm	0.1697 ppm
Concentration per Run	0.0057 ppm	2.8554 ppm	0.0081 ppm	0.1024 ppm	0.2855 ppm	-0.0025 ppm	0.1709 ppm
Concentration RSD	97.3 %	0.4 %	11.8 %	0.6 %	0.3 %	171.0 %	0.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5765 ppm	99.2200 %	101.2564 %	93.1627 %	111.3945 %	114.8027 %	113.1381 %
Concentration per Run	0.5715 ppm	100.2274 %	100.8032 %	93.2462 %	112.0149 %	114.1410 %	113.0984 %
Concentration per Run	0.5790 ppm	99.0978 %	101.0565 %	92.5340 %	111.3280 %	115.2717 %	112.5217 %
Concentration per Run	0.5791 ppm	98.3347 %	101.9096 %	93.7080 %	110.8406 %	114.9953 %	113.7943 %
Concentration RSD	0.7 %	1.0 %	0.6 %	0.6 %	0.5 %	0.5 %	0.6 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574898-05D2 WG2146092
Analysis started at: 11/28/2025 8:20:32 AM
Comment <Comment>
Rack Number 1
Vial Numbers 28

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0008 ppm	94.6581 ppm	0.0590 ppm	0.0208 ppm	1.0041 ppm	0.0051 ppm	36.0629 ppm
Concentration per Run	0.0002 ppm	94.8836 ppm	0.0592 ppm	0.0210 ppm	1.0043 ppm	0.0051 ppm	36.2195 ppm
Concentration per Run	0.0014 ppm	94.8855 ppm	0.0596 ppm	0.0209 ppm	1.0051 ppm	0.0051 ppm	36.0637 ppm
Concentration per Run	0.0007 ppm	94.2053 ppm	0.0582 ppm	0.0205 ppm	1.0031 ppm	0.0051 ppm	35.9054 ppm
Concentration RSD	78.6 %	0.4 %	1.2 %	1.3 %	0.1 %	0.4 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0016 ppm	0.0869 ppm	0.1229 ppm	0.1519 ppm	198.9270 ppm	6.7220 ppm	0.2143 ppm
Concentration per Run	0.0015 ppm	0.0870 ppm	0.1232 ppm	0.1521 ppm	199.1127 ppm	6.7451 ppm	0.2137 ppm
Concentration per Run	0.0017 ppm	0.0864 ppm	0.1227 ppm	0.1518 ppm	199.2315 ppm	6.7229 ppm	0.2140 ppm
Concentration per Run	0.0015 ppm	0.0873 ppm	0.1228 ppm	0.1519 ppm	198.4369 ppm	6.6978 ppm	0.2152 ppm
Concentration RSD	7.9 %	0.6 %	0.2 %	0.1 %	0.2 %	0.4 %	0.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	38.3271 ppm	6.0217 ppm	0.0002 ppm	3.6583 ppm	0.1925 ppm	0.1203 ppm	0.0016 ppm
Concentration per Run	38.2635 ppm	6.0300 ppm	0.0005 ppm	3.6655 ppm	0.1922 ppm	0.1212 ppm	0.0004 ppm
Concentration per Run	38.3653 ppm	6.0375 ppm	0.0000 ppm	3.6664 ppm	0.1930 ppm	0.1193 ppm	0.0026 ppm
Concentration per Run	38.3527 ppm	5.9975 ppm	0.0001 ppm	3.6430 ppm	0.1924 ppm	0.1203 ppm	0.0020 ppm
Concentration RSD	0.1 %	0.4 %	146.4 %	0.4 %	0.2 %	0.8 %	69.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0020 ppm	3.0378 ppm	0.0077 ppm	0.0998 ppm	0.2520 ppm	-0.0020 ppm	0.1351 ppm
Concentration per Run	0.0023 ppm	3.0379 ppm	0.0084 ppm	0.0999 ppm	0.2510 ppm	-0.0007 ppm	0.1356 ppm
Concentration per Run	0.0008 ppm	3.0304 ppm	0.0072 ppm	0.0997 ppm	0.2535 ppm	-0.0032 ppm	0.1347 ppm
Concentration per Run	0.0029 ppm	3.0449 ppm	0.0075 ppm	0.0999 ppm	0.2516 ppm	-0.0022 ppm	0.1349 ppm
Concentration RSD	52.6 %	0.2 %	8.6 %	0.1 %	0.5 %	62.2 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5886 ppm	99.8360 %	102.6693 %	94.4308 %	114.7056 %	118.6076 %	116.6073 %
Concentration per Run	0.5869 ppm	99.8379 %	102.2063 %	93.1492 %	114.7947 %	118.0825 %	115.3186 %
Concentration per Run	0.5902 ppm	99.7970 %	102.7063 %	95.4291 %	114.3945 %	118.8383 %	117.6841 %
Concentration per Run	0.5887 ppm	99.8730 %	103.0951 %	94.7141 %	114.9276 %	118.9019 %	116.8191 %
Concentration RSD	0.3 %	0.0 %	0.4 %	1.2 %	0.2 %	0.4 %	1.0 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574898-06D2 WG2146092
Analysis started at: 11/28/2025 8:22:41 AM
Comment <Comment>
Rack Number 1
Vial Numbers 29

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0023 ppm	105.3451 ppm	0.0553 ppm	0.0182 ppm	1.2116 ppm	0.0054 ppm	82.0680 ppm
Concentration per Run	0.0026 ppm	105.1764 ppm	0.0557 ppm	0.0163 ppm	1.2128 ppm	0.0054 ppm	81.8970 ppm
Concentration per Run	0.0025 ppm	105.2439 ppm	0.0534 ppm	0.0184 ppm	1.2069 ppm	0.0054 ppm	82.0169 ppm
Concentration per Run	0.0019 ppm	105.6151 ppm	0.0567 ppm	0.0198 ppm	1.2152 ppm	0.0055 ppm	82.2900 ppm
Concentration RSD	16.8 %	0.2 %	3.0 %	9.8 %	0.4 %	1.0 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0017 ppm	0.1003 ppm	0.1382 ppm	0.1702 ppm	229.4883 ppm	7.6421 ppm	0.2603 ppm
Concentration per Run	0.0015 ppm	0.1002 ppm	0.1375 ppm	0.1701 ppm	229.2614 ppm	7.6497 ppm	0.2618 ppm
Concentration per Run	0.0019 ppm	0.0997 ppm	0.1370 ppm	0.1689 ppm	228.9187 ppm	7.6111 ppm	0.2577 ppm
Concentration per Run	0.0015 ppm	0.1010 ppm	0.1399 ppm	0.1718 ppm	230.2849 ppm	7.6655 ppm	0.2614 ppm
Concentration RSD	13.7 %	0.6 %	1.1 %	0.9 %	0.3 %	0.4 %	0.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	40.7217 ppm	4.4188 ppm	-0.0002 ppm	2.6649 ppm	0.2061 ppm	0.0841 ppm	0.0009 ppm
Concentration per Run	40.7379 ppm	4.4142 ppm	0.0000 ppm	2.6641 ppm	0.2071 ppm	0.0838 ppm	0.0031 ppm
Concentration per Run	40.5828 ppm	4.4113 ppm	-0.0006 ppm	2.6627 ppm	0.2037 ppm	0.0838 ppm	-0.0016 ppm
Concentration per Run	40.8445 ppm	4.4309 ppm	0.0001 ppm	2.6679 ppm	0.2073 ppm	0.0848 ppm	0.0013 ppm
Concentration RSD	0.3 %	0.2 %	221.5 %	0.1 %	1.0 %	0.7 %	254.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0020 ppm	3.0743 ppm	0.0068 ppm	0.1282 ppm	0.2756 ppm	-0.0003 ppm	0.1703 ppm
Concentration per Run	0.0027 ppm	3.0712 ppm	0.0057 ppm	0.1282 ppm	0.2759 ppm	-0.0001 ppm	0.1705 ppm
Concentration per Run	0.0044 ppm	3.0566 ppm	0.0077 ppm	0.1276 ppm	0.2746 ppm	0.0010 ppm	0.1682 ppm
Concentration per Run	-0.0009 ppm	3.0952 ppm	0.0070 ppm	0.1289 ppm	0.2765 ppm	-0.0019 ppm	0.1723 ppm
Concentration RSD	133.1 %	0.6 %	14.6 %	0.5 %	0.3 %	443.8 %	1.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5433 ppm	99.9464 %	102.8126 %	91.6859 %	112.8603 %	117.5940 %	113.6563 %
Concentration per Run	0.5463 ppm	99.5566 %	102.6955 %	91.6723 %	112.4330 %	117.2621 %	113.7722 %
Concentration per Run	0.5364 ppm	100.7718 %	103.5680 %	91.9986 %	113.2392 %	118.5153 %	114.0263 %
Concentration per Run	0.5474 ppm	99.5110 %	102.1742 %	91.3868 %	112.9087 %	117.0045 %	113.1706 %
Concentration RSD	1.1 %	0.7 %	0.7 %	0.3 %	0.4 %	0.7 %	0.4 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574898-07D2 WG2146092
Analysis started at: 11/28/2025 8:24:50 AM
Comment <Comment>
Rack Number 1
Vial Numbers 30

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0018 ppm	75.8719 ppm	0.0613 ppm	0.0495 ppm	0.9526 ppm	0.0046 ppm	22.0447 ppm
Concentration per Run	0.0023 ppm	75.4646 ppm	0.0612 ppm	0.0493 ppm	0.9409 ppm	0.0046 ppm	21.8703 ppm
Concentration per Run	0.0019 ppm	76.2665 ppm	0.0613 ppm	0.0499 ppm	0.9613 ppm	0.0046 ppm	22.1514 ppm
Concentration per Run	0.0011 ppm	75.8845 ppm	0.0614 ppm	0.0493 ppm	0.9555 ppm	0.0046 ppm	22.1124 ppm
Concentration RSD	35.7 %	0.5 %	0.2 %	0.7 %	1.1 %	0.2 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0045 ppm	0.0841 ppm	0.1041 ppm	0.1390 ppm	169.6727 ppm	5.5701 ppm	0.1843 ppm
Concentration per Run	0.0044 ppm	0.0840 ppm	0.1037 ppm	0.1385 ppm	167.9917 ppm	5.5259 ppm	0.1791 ppm
Concentration per Run	0.0046 ppm	0.0843 ppm	0.1048 ppm	0.1399 ppm	170.7427 ppm	5.5718 ppm	0.1861 ppm
Concentration per Run	0.0045 ppm	0.0840 ppm	0.1038 ppm	0.1386 ppm	170.2838 ppm	5.6127 ppm	0.1877 ppm
Concentration RSD	2.1 %	0.2 %	0.6 %	0.6 %	0.9 %	0.8 %	2.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	25.3005 ppm	4.7422 ppm	0.0010 ppm	0.9641 ppm	0.1710 ppm	0.3669 ppm	0.0070 ppm
Concentration per Run	25.2654 ppm	4.7112 ppm	0.0010 ppm	0.9500 ppm	0.1706 ppm	0.3672 ppm	0.0053 ppm
Concentration per Run	25.3524 ppm	4.7707 ppm	0.0008 ppm	0.9755 ppm	0.1731 ppm	0.3653 ppm	0.0092 ppm
Concentration per Run	25.2836 ppm	4.7445 ppm	0.0013 ppm	0.9668 ppm	0.1695 ppm	0.3680 ppm	0.0064 ppm
Concentration RSD	0.2 %	0.6 %	27.6 %	1.3 %	1.1 %	0.4 %	28.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0050 ppm	3.2978 ppm	0.0134 ppm	0.0750 ppm	0.2451 ppm	-0.0005 ppm	0.1057 ppm
Concentration per Run	0.0043 ppm	3.2883 ppm	0.0131 ppm	0.0742 ppm	0.2445 ppm	-0.0012 ppm	0.1050 ppm
Concentration per Run	0.0037 ppm	3.3305 ppm	0.0126 ppm	0.0755 ppm	0.2467 ppm	0.0003 ppm	0.1066 ppm
Concentration per Run	0.0068 ppm	3.2748 ppm	0.0145 ppm	0.0751 ppm	0.2442 ppm	-0.0007 ppm	0.1054 ppm
Concentration RSD	33.1 %	0.9 %	7.5 %	0.9 %	0.5 %	133.7 %	0.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6278 ppm	100.6291 %	102.8842 %	95.4319 %	111.2818 %	114.5108 %	112.8198 %
Concentration per Run	0.6253 ppm	100.8134 %	103.2554 %	95.8469 %	111.2468 %	114.3668 %	113.4690 %
Concentration per Run	0.6316 ppm	100.1502 %	102.2714 %	95.2522 %	110.8500 %	114.5293 %	112.2760 %
Concentration per Run	0.6266 ppm	100.9237 %	103.1258 %	95.1966 %	111.7485 %	114.6364 %	112.7144 %
Concentration RSD	0.5 %	0.4 %	0.5 %	0.4 %	0.4 %	0.1 %	0.5 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574898-08D2 WG2146092
Analysis started at: 11/28/2025 8:26:59 AM
Comment <Comment>
Rack Number 1
Vial Numbers 31

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0015 ppm	79.3821 ppm	0.0617 ppm	0.0557 ppm	1.0304 ppm	0.0046 ppm	20.4183 ppm
Concentration per Run	0.0025 ppm	79.0562 ppm	0.0626 ppm	0.0540 ppm	1.0278 ppm	0.0047 ppm	20.3433 ppm
Concentration per Run	0.0015 ppm	79.6132 ppm	0.0615 ppm	0.0552 ppm	1.0341 ppm	0.0046 ppm	20.5419 ppm
Concentration per Run	0.0005 ppm	79.4769 ppm	0.0611 ppm	0.0580 ppm	1.0293 ppm	0.0047 ppm	20.3697 ppm
Concentration RSD	68.2 %	0.4 %	1.3 %	3.7 %	0.3 %	1.6 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0064 ppm	0.0862 ppm	0.1036 ppm	0.1297 ppm	175.5944 ppm	4.8373 ppm	0.1899 ppm
Concentration per Run	0.0063 ppm	0.0850 ppm	0.1022 ppm	0.1295 ppm	175.1555 ppm	4.8330 ppm	0.1896 ppm
Concentration per Run	0.0066 ppm	0.0868 ppm	0.1038 ppm	0.1292 ppm	176.0658 ppm	4.8388 ppm	0.1925 ppm
Concentration per Run	0.0063 ppm	0.0867 ppm	0.1050 ppm	0.1305 ppm	175.5620 ppm	4.8402 ppm	0.1875 ppm
Concentration RSD	2.9 %	1.1 %	1.3 %	0.5 %	0.3 %	0.1 %	1.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	25.8638 ppm	5.8427 ppm	0.0013 ppm	1.0311 ppm	0.1749 ppm	0.3413 ppm	0.0051 ppm
Concentration per Run	25.7471 ppm	5.8289 ppm	0.0005 ppm	1.0222 ppm	0.1745 ppm	0.3404 ppm	0.0037 ppm
Concentration per Run	25.9328 ppm	5.8510 ppm	0.0016 ppm	1.0353 ppm	0.1740 ppm	0.3398 ppm	0.0061 ppm
Concentration per Run	25.9115 ppm	5.8481 ppm	0.0017 ppm	1.0358 ppm	0.1762 ppm	0.3438 ppm	0.0055 ppm
Concentration RSD	0.4 %	0.2 %	51.2 %	0.7 %	0.7 %	0.6 %	24.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0046 ppm	3.0634 ppm	0.0124 ppm	0.0737 ppm	0.2549 ppm	0.0005 ppm	0.1094 ppm
Concentration per Run	0.0057 ppm	3.0385 ppm	0.0122 ppm	0.0735 ppm	0.2541 ppm	0.0008 ppm	0.1083 ppm
Concentration per Run	0.0045 ppm	3.0722 ppm	0.0128 ppm	0.0740 ppm	0.2556 ppm	0.0011 ppm	0.1093 ppm
Concentration per Run	0.0037 ppm	3.0795 ppm	0.0123 ppm	0.0737 ppm	0.2551 ppm	-0.0005 ppm	0.1105 ppm
Concentration RSD	22.6 %	0.7 %	2.5 %	0.3 %	0.3 %	189.3 %	1.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6002 ppm	100.3553 %	102.0279 %	95.0271 %	112.4622 %	115.2725 %	113.7448 %
Concentration per Run	0.5939 ppm	101.3948 %	101.8913 %	95.6968 %	113.7037 %	115.1192 %	114.6380 %
Concentration per Run	0.5970 ppm	100.6776 %	101.2165 %	94.5672 %	112.5086 %	114.0448 %	113.2474 %
Concentration per Run	0.6096 ppm	98.9935 %	102.9759 %	94.8174 %	111.1741 %	116.6535 %	113.3491 %
Concentration RSD	1.4 %	1.2 %	0.9 %	0.6 %	1.1 %	1.1 %	0.7 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574898-09D2 WG2146092
Analysis started at: 11/28/2025 8:29:08 AM
Comment <Comment>
Rack Number 1
Vial Numbers 32

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0020 ppm	94.4715 ppm	0.0637 ppm	0.0184 ppm	1.1871 ppm	0.0052 ppm	43.6570 ppm
Concentration per Run	0.0020 ppm	94.4191 ppm	0.0630 ppm	0.0184 ppm	1.1872 ppm	0.0052 ppm	43.7297 ppm
Concentration per Run	0.0022 ppm	94.7084 ppm	0.0640 ppm	0.0186 ppm	1.1880 ppm	0.0052 ppm	43.6927 ppm
Concentration per Run	0.0018 ppm	94.2868 ppm	0.0641 ppm	0.0182 ppm	1.1860 ppm	0.0052 ppm	43.5486 ppm
Concentration RSD	9.6 %	0.2 %	1.0 %	1.3 %	0.1 %	0.7 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0027 ppm	0.0898 ppm	0.1260 ppm	0.1592 ppm	197.7959 ppm	6.8411 ppm	0.2134 ppm
Concentration per Run	0.0027 ppm	0.0894 ppm	0.1262 ppm	0.1589 ppm	197.3326 ppm	6.8517 ppm	0.2191 ppm
Concentration per Run	0.0026 ppm	0.0897 ppm	0.1257 ppm	0.1582 ppm	198.7984 ppm	6.8465 ppm	0.2099 ppm
Concentration per Run	0.0028 ppm	0.0904 ppm	0.1261 ppm	0.1605 ppm	197.2566 ppm	6.8252 ppm	0.2112 ppm
Concentration RSD	3.7 %	0.6 %	0.2 %	0.7 %	0.4 %	0.2 %	2.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	30.0674 ppm	7.0230 ppm	0.0004 ppm	3.6481 ppm	0.1934 ppm	0.1681 ppm	0.0002 ppm
Concentration per Run	30.0869 ppm	7.0252 ppm	-0.0001 ppm	3.6525 ppm	0.1941 ppm	0.1705 ppm	0.0010 ppm
Concentration per Run	30.0701 ppm	7.0250 ppm	0.0009 ppm	3.6575 ppm	0.1931 ppm	0.1665 ppm	0.0031 ppm
Concentration per Run	30.0453 ppm	7.0188 ppm	0.0002 ppm	3.6343 ppm	0.1931 ppm	0.1674 ppm	-0.0034 ppm
Concentration RSD	0.1 %	0.1 %	142.5 %	0.3 %	0.3 %	1.3 %	1,415.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0043 ppm	2.8251 ppm	0.0088 ppm	0.1045 ppm	0.2750 ppm	-0.0018 ppm	0.1284 ppm
Concentration per Run	0.0012 ppm	2.8263 ppm	0.0080 ppm	0.1047 ppm	0.2745 ppm	-0.0018 ppm	0.1280 ppm
Concentration per Run	0.0061 ppm	2.8204 ppm	0.0089 ppm	0.1047 ppm	0.2754 ppm	-0.0020 ppm	0.1288 ppm
Concentration per Run	0.0057 ppm	2.8288 ppm	0.0095 ppm	0.1041 ppm	0.2752 ppm	-0.0015 ppm	0.1283 ppm
Concentration RSD	62.4 %	0.2 %	8.7 %	0.3 %	0.2 %	14.9 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6341 ppm	100.4033 %	103.3444 %	94.7159 %	114.7753 %	119.4930 %	116.7350 %
Concentration per Run	0.6347 ppm	99.7182 %	102.9471 %	94.4803 %	113.7737 %	119.0298 %	116.4560 %
Concentration per Run	0.6337 ppm	100.9965 %	103.3596 %	94.7904 %	115.2494 %	119.9173 %	116.7757 %
Concentration per Run	0.6339 ppm	100.4951 %	103.7264 %	94.8769 %	115.3028 %	119.5319 %	116.9733 %
Concentration RSD	0.1 %	0.6 %	0.4 %	0.2 %	0.8 %	0.4 %	0.2 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574898-10D2 WG2146092
Analysis started at: 11/28/2025 8:31:17 AM
Comment <Comment>
Rack Number 1
Vial Numbers 33

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0010 ppm	105.9002 ppm	0.0651 ppm	0.0174 ppm	1.4989 ppm	0.0056 ppm	88.1765 ppm
Concentration per Run	0.0014 ppm	106.1008 ppm	0.0662 ppm	0.0174 ppm	1.4977 ppm	0.0056 ppm	88.3203 ppm
Concentration per Run	0.0005 ppm	106.3436 ppm	0.0625 ppm	0.0183 ppm	1.5068 ppm	0.0056 ppm	88.5226 ppm
Concentration per Run	0.0010 ppm	105.2562 ppm	0.0667 ppm	0.0166 ppm	1.4923 ppm	0.0055 ppm	87.6866 ppm
Concentration RSD	46.5 %	0.5 %	3.6 %	4.9 %	0.5 %	0.6 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0020 ppm	0.1016 ppm	0.1387 ppm	0.1668 ppm	221.6284 ppm	7.3371 ppm	0.2529 ppm
Concentration per Run	0.0019 ppm	0.1014 ppm	0.1384 ppm	0.1662 ppm	221.3506 ppm	7.3295 ppm	0.2550 ppm
Concentration per Run	0.0022 ppm	0.1025 ppm	0.1390 ppm	0.1674 ppm	222.5843 ppm	7.3940 ppm	0.2564 ppm
Concentration per Run	0.0019 ppm	0.1009 ppm	0.1386 ppm	0.1667 ppm	220.9502 ppm	7.2879 ppm	0.2474 ppm
Concentration RSD	8.9 %	0.8 %	0.2 %	0.4 %	0.4 %	0.7 %	1.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	38.9077 ppm	6.1118 ppm	0.0007 ppm	4.0399 ppm	0.2041 ppm	0.1377 ppm	-0.0002 ppm
Concentration per Run	38.8513 ppm	6.1114 ppm	0.0010 ppm	4.0283 ppm	0.2030 ppm	0.1372 ppm	0.0005 ppm
Concentration per Run	38.9626 ppm	6.1472 ppm	0.0007 ppm	4.0750 ppm	0.2052 ppm	0.1367 ppm	-0.0014 ppm
Concentration per Run	38.9093 ppm	6.0769 ppm	0.0003 ppm	4.0165 ppm	0.2041 ppm	0.1393 ppm	0.0002 ppm
Concentration RSD	0.1 %	0.6 %	50.2 %	0.8 %	0.5 %	1.0 %	422.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0020 ppm	2.8497 ppm	0.0071 ppm	0.1568 ppm	0.2448 ppm	-0.0007 ppm	0.1582 ppm
Concentration per Run	0.0058 ppm	2.8499 ppm	0.0057 ppm	0.1566 ppm	0.2442 ppm	-0.0007 ppm	0.1579 ppm
Concentration per Run	-0.0025 ppm	2.8582 ppm	0.0074 ppm	0.1578 ppm	0.2442 ppm	0.0007 ppm	0.1591 ppm
Concentration per Run	0.0028 ppm	2.8409 ppm	0.0081 ppm	0.1560 ppm	0.2459 ppm	-0.0021 ppm	0.1576 ppm
Concentration RSD	207.0 %	0.3 %	17.7 %	0.6 %	0.4 %	204.3 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6167 ppm	98.4550 %	102.5061 %	92.6670 %	112.7291 %	118.6872 %	115.4540 %
Concentration per Run	0.6130 ppm	98.9879 %	102.0512 %	91.9216 %	113.2150 %	118.2149 %	114.7653 %
Concentration per Run	0.6185 ppm	98.0433 %	102.2316 %	92.4838 %	112.4665 %	119.0291 %	114.8859 %
Concentration per Run	0.6188 ppm	98.3338 %	103.2354 %	93.5958 %	112.5059 %	118.8176 %	116.7109 %
Concentration RSD	0.5 %	0.5 %	0.6 %	0.9 %	0.4 %	0.4 %	0.9 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574898-11D2 WG2146092
Analysis started at: 11/28/2025 8:33:26 AM
Comment
Rack Number 1
Vial Numbers 34

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0023 ppm	74.5293 ppm	0.0956 ppm	0.0557 ppm	1.0652 ppm	0.0061 ppm	27.8047 ppm
Concentration per Run	0.0021 ppm	74.1298 ppm	0.0947 ppm	0.0551 ppm	1.0602 ppm	0.0060 ppm	27.6939 ppm
Concentration per Run	0.0029 ppm	74.6890 ppm	0.0940 ppm	0.0568 ppm	1.0689 ppm	0.0061 ppm	27.8495 ppm
Concentration per Run	0.0019 ppm	74.7691 ppm	0.0980 ppm	0.0550 ppm	1.0665 ppm	0.0061 ppm	27.8708 ppm
Concentration RSD	22.6 %	0.5 %	2.3 %	1.8 %	0.4 %	0.7 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0107 ppm	0.1184 ppm	0.1208 ppm	0.2900 ppm	187.1187 ppm	7.7322 ppm	0.1887 ppm
Concentration per Run	0.0107 ppm	0.1186 ppm	0.1217 ppm	0.2891 ppm	186.3860 ppm	7.7034 ppm	0.1943 ppm
Concentration per Run	0.0108 ppm	0.1188 ppm	0.1213 ppm	0.2905 ppm	187.2641 ppm	7.7433 ppm	0.1863 ppm
Concentration per Run	0.0107 ppm	0.1179 ppm	0.1193 ppm	0.2904 ppm	187.7060 ppm	7.7498 ppm	0.1854 ppm
Concentration RSD	0.5 %	0.4 %	1.0 %	0.3 %	0.4 %	0.3 %	2.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	25.1412 ppm	6.2820 ppm	0.0056 ppm	0.3164 ppm	0.2174 ppm	1.0736 ppm	0.0079 ppm
Concentration per Run	25.1943 ppm	6.2546 ppm	0.0053 ppm	0.3125 ppm	0.2176 ppm	1.0704 ppm	0.0071 ppm
Concentration per Run	25.1030 ppm	6.2945 ppm	0.0057 ppm	0.3150 ppm	0.2179 ppm	1.0809 ppm	0.0123 ppm
Concentration per Run	25.1261 ppm	6.2971 ppm	0.0057 ppm	0.3216 ppm	0.2167 ppm	1.0695 ppm	0.0042 ppm
Concentration RSD	0.2 %	0.4 %	4.6 %	1.5 %	0.3 %	0.6 %	51.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0089 ppm	4.2678 ppm	0.0441 ppm	0.1027 ppm	0.3220 ppm	-0.0007 ppm	0.1139 ppm
Concentration per Run	0.0088 ppm	4.2686 ppm	0.0433 ppm	0.1023 ppm	0.3214 ppm	-0.0018 ppm	0.1141 ppm
Concentration per Run	0.0101 ppm	4.2764 ppm	0.0432 ppm	0.1029 ppm	0.3234 ppm	0.0004 ppm	0.1143 ppm
Concentration per Run	0.0078 ppm	4.2585 ppm	0.0459 ppm	0.1030 ppm	0.3211 ppm	-0.0006 ppm	0.1135 ppm
Concentration RSD	12.9 %	0.2 %	3.5 %	0.4 %	0.4 %	171.5 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.2649 ppm	100.5576 %	102.4909 %	95.1531 %	111.8684 %	115.0031 %	113.2565 %
Concentration per Run	1.2695 ppm	99.5836 %	102.3013 %	95.3407 %	110.7908 %	114.2262 %	113.2167 %
Concentration per Run	1.2644 ppm	100.9416 %	102.7990 %	94.6884 %	112.1462 %	115.6065 %	113.2535 %
Concentration per Run	1.2609 ppm	101.1477 %	102.3725 %	95.4302 %	112.6683 %	115.1766 %	113.2993 %
Concentration RSD	0.3 %	0.8 %	0.3 %	0.4 %	0.9 %	0.6 %	0.0 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574898-12D2 WG2146092
Analysis started at: 11/28/2025 8:35:35 AM
Comment
Rack Number 1
Vial Numbers 35

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0026 ppm	71.3365 ppm	0.1595 ppm	0.0983 ppm	1.2264 ppm	0.0059 ppm	63.3642 ppm
Concentration per Run	0.0031 ppm	71.2482 ppm	0.1596 ppm	0.0993 ppm	1.2249 ppm	0.0059 ppm	63.3193 ppm
Concentration per Run	0.0024 ppm	71.0969 ppm	0.1605 ppm	0.0973 ppm	1.2226 ppm	0.0059 ppm	63.1879 ppm
Concentration per Run	0.0023 ppm	71.6644 ppm	0.1584 ppm	0.0984 ppm	1.2316 ppm	0.0058 ppm	63.5853 ppm
Concentration RSD	17.8 %	0.4 %	0.7 %	1.1 %	0.4 %	0.7 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0100 ppm	0.1165 ppm	0.2080 ppm	0.5224 ppm	249.4454 ppm	5.0885 ppm	0.1715 ppm
Concentration per Run	0.0100 ppm	0.1159 ppm	0.2080 ppm	0.5211 ppm	249.3677 ppm	5.1180 ppm	0.1724 ppm
Concentration per Run	0.0100 ppm	0.1171 ppm	0.2070 ppm	0.5217 ppm	248.6657 ppm	5.0519 ppm	0.1694 ppm
Concentration per Run	0.0100 ppm	0.1165 ppm	0.2089 ppm	0.5244 ppm	250.3027 ppm	5.0955 ppm	0.1726 ppm
Concentration RSD	0.1 %	0.5 %	0.5 %	0.3 %	0.3 %	0.7 %	1.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	31.3444 ppm	5.5799 ppm	0.0417 ppm	0.7143 ppm	0.2372 ppm	1.3904 ppm	0.0149 ppm
Concentration per Run	31.2930 ppm	5.5808 ppm	0.0415 ppm	0.7110 ppm	0.2361 ppm	1.3855 ppm	0.0147 ppm
Concentration per Run	31.4014 ppm	5.5561 ppm	0.0422 ppm	0.7096 ppm	0.2364 ppm	1.3929 ppm	0.0134 ppm
Concentration per Run	31.3387 ppm	5.6027 ppm	0.0413 ppm	0.7223 ppm	0.2392 ppm	1.3929 ppm	0.0166 ppm
Concentration RSD	0.2 %	0.4 %	1.2 %	1.0 %	0.7 %	0.3 %	10.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0123 ppm	4.4132 ppm	0.0655 ppm	0.2193 ppm	0.4732 ppm	-0.0004 ppm	0.1265 ppm
Concentration per Run	0.0099 ppm	4.4062 ppm	0.0650 ppm	0.2192 ppm	0.4719 ppm	-0.0018 ppm	0.1258 ppm
Concentration per Run	0.0155 ppm	4.4090 ppm	0.0646 ppm	0.2180 ppm	0.4739 ppm	-0.0006 ppm	0.1262 ppm
Concentration per Run	0.0116 ppm	4.4243 ppm	0.0669 ppm	0.2207 ppm	0.4739 ppm	0.0011 ppm	0.1273 ppm
Concentration RSD	23.4 %	0.2 %	1.9 %	0.6 %	0.2 %	322.7 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.4344 ppm	99.0889 %	102.1749 %	93.3084 %	111.6288 %	116.8037 %	113.3540 %
Concentration per Run	1.4309 ppm	99.6107 %	102.1130 %	93.6371 %	112.1959 %	116.6594 %	113.1098 %
Concentration per Run	1.4325 ppm	98.9051 %	103.0805 %	93.0105 %	111.3646 %	117.6605 %	113.3772 %
Concentration per Run	1.4398 ppm	98.7509 %	101.3312 %	93.2777 %	111.3259 %	116.0912 %	113.5749 %
Concentration RSD	0.3 %	0.5 %	0.9 %	0.3 %	0.4 %	0.7 %	0.2 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: CCV
Analysis started at: 11/28/2025 8:37:44 AM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5039 ppm	0.4904 ppm	0.4794 ppm	0.4899 ppm	0.4990 ppm	0.5057 ppm	0.4931 ppm
Concentration per Run	0.5009 ppm	0.4877 ppm	0.4778 ppm	0.4882 ppm	0.5004 ppm	0.5068 ppm	0.4945 ppm
Concentration per Run	0.5024 ppm	0.4910 ppm	0.4802 ppm	0.4900 ppm	0.4982 ppm	0.5043 ppm	0.4953 ppm
Concentration per Run	0.5084 ppm	0.4925 ppm	0.4803 ppm	0.4915 ppm	0.4985 ppm	0.5060 ppm	0.4894 ppm
Recovery Percentage	100.779 %	98.086 %	95.884 %	97.985 %	99.805 %	101.142 %	98.612 %
Concentration RSD	0.8 %	0.5 %	0.3 %	0.3 %	0.2 %	0.2 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5139 ppm	0.5116 ppm	0.5099 ppm	0.5152 ppm	0.5036 ppm	5.1311 ppm	0.5163 ppm
Concentration per Run	0.5111 ppm	0.5098 ppm	0.5043 ppm	0.5121 ppm	0.5016 ppm	5.1430 ppm	0.5235 ppm
Concentration per Run	0.5136 ppm	0.5093 ppm	0.5106 ppm	0.5160 ppm	0.5040 ppm	5.1365 ppm	0.5114 ppm
Concentration per Run	0.5171 ppm	0.5157 ppm	0.5146 ppm	0.5175 ppm	0.5052 ppm	5.1137 ppm	0.5140 ppm
Recovery Percentage	102.783 %	102.320 %	101.971 %	103.045 %	100.724 %	102.621 %	103.265 %
Concentration RSD	0.6 %	0.7 %	1.0 %	0.5 %	0.4 %	0.3 %	1.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5050 ppm	0.5076 ppm	0.4896 ppm	10.1312 ppm	0.5139 ppm	0.4939 ppm	0.5084 ppm
Concentration per Run	0.5041 ppm	0.5085 ppm	0.4870 ppm	10.1079 ppm	0.5117 ppm	0.4914 ppm	0.5089 ppm
Concentration per Run	0.5030 ppm	0.5068 ppm	0.4883 ppm	10.1458 ppm	0.5153 ppm	0.4949 ppm	0.5116 ppm
Concentration per Run	0.5079 ppm	0.5074 ppm	0.4935 ppm	10.1400 ppm	0.5148 ppm	0.4954 ppm	0.5046 ppm
Recovery Percentage	101.003 %	101.512 %	97.921 %	101.312 %	102.788 %	98.784 %	101.674 %
Concentration RSD	0.5 %	0.2 %	0.7 %	0.2 %	0.4 %	0.4 %	0.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4804 ppm	5.3936 ppm	0.4963 ppm	0.4937 ppm	0.4978 ppm	0.5000 ppm	0.5094 ppm
Concentration per Run	0.4821 ppm	5.3627 ppm	0.4957 ppm	0.4953 ppm	0.4979 ppm	0.5003 ppm	0.5063 ppm
Concentration per Run	0.4792 ppm	5.3780 ppm	0.4933 ppm	0.4931 ppm	0.4959 ppm	0.4984 ppm	0.5094 ppm
Concentration per Run	0.4798 ppm	5.4400 ppm	0.5000 ppm	0.4925 ppm	0.4995 ppm	0.5014 ppm	0.5125 ppm
Recovery Percentage	96.078 %	102.734 %	99.266 %	98.730 %	99.552 %	100.006 %	101.883 %
Concentration RSD	0.3 %	0.8 %	0.7 %	0.3 %	0.4 %	0.3 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5105 ppm	101.0813 %	99.3490 %	100.8762 %	98.7755 %	97.7073 %	99.6799 %
Concentration per Run	0.5083 ppm	101.4401 %	98.6811 %	101.7477 %	98.9760 %	97.2727 %	100.3510 %
Concentration per Run	0.5096 ppm	101.2197 %	99.9236 %	100.6290 %	99.3850 %	98.2755 %	99.4531 %
Concentration per Run	0.5135 ppm	100.5842 %	99.4423 %	100.2521 %	97.9656 %	97.5735 %	99.2355 %
Recovery Percentage	102.091 %						
Concentration RSD	0.5 %	0.4 %	0.6 %	0.8 %	0.7 %	0.5 %	0.6 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: CCB
Analysis started at: 11/28/2025 8:39:54 AM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0090 ppm	-0.0005 ppm	0.0013 ppm	0.0002 ppm	0.0000 ppm	-0.0009 ppm
Concentration per Run	0.0002 ppm	0.0086 ppm	-0.0009 ppm	0.0014 ppm	0.0002 ppm	0.0001 ppm	-0.0022 ppm
Concentration per Run	-0.0001 ppm	0.0075 ppm	-0.0019 ppm	0.0010 ppm	0.0002 ppm	0.0000 ppm	-0.0008 ppm
Concentration per Run	-0.0003 ppm	0.0111 ppm	0.0013 ppm	0.0017 ppm	0.0002 ppm	0.0001 ppm	0.0004 ppm
Recovery Percentage	-0.864 %	9.041 %	-10.184 %	4.492 %	2.081 %	1.137 %	-0.876 %
Concentration RSD	354.7 %	20.3 %	321.4 %	23.6 %	19.6 %	50.9 %	149.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0003 ppm	0.0002 ppm	-0.0002 ppm	0.0023 ppm	-0.0254 ppm	0.0018 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	-0.0002 ppm	-0.0001 ppm	0.0033 ppm	-0.0440 ppm	0.0015 ppm
Concentration per Run	0.0000 ppm	-0.0003 ppm	0.0000 ppm	-0.0001 ppm	0.0010 ppm	-0.0184 ppm	0.0027 ppm
Concentration per Run	0.0000 ppm	-0.0005 ppm	0.0007 ppm	-0.0003 ppm	0.0027 ppm	-0.0137 ppm	0.0012 ppm
Recovery Percentage	-0.514 %	-1.496 %	1.829 %	-1.557 %	4.652 %	-1.015 %	35.514 %
Concentration RSD	39.8 %	63.2 %	248.4 %	56.5 %	52.8 %	64.3 %	44.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0009 ppm	0.0000 ppm	-0.0001 ppm	-0.0067 ppm	-0.0002 ppm	-0.0016 ppm	0.0048 ppm
Concentration per Run	-0.0020 ppm	0.0002 ppm	0.0003 ppm	-0.0084 ppm	-0.0005 ppm	-0.0007 ppm	0.0071 ppm
Concentration per Run	-0.0012 ppm	-0.0001 ppm	-0.0006 ppm	-0.0054 ppm	-0.0005 ppm	-0.0025 ppm	0.0021 ppm
Concentration per Run	0.0005 ppm	-0.0001 ppm	0.0001 ppm	-0.0063 ppm	0.0004 ppm	-0.0016 ppm	0.0054 ppm
Recovery Percentage	-0.946 %	0.111 %	-0.191 %	-0.336 %	-0.847 %	-16.099 %	9.696 %
Concentration RSD	134.8 %	1,863.2 %	503.7 %	22.4 %	235.5 %	54.5 %	52.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0014 ppm	0.0129 ppm	0.0006 ppm	0.0001 ppm	-0.0002 ppm	0.0011 ppm	0.0001 ppm
Concentration per Run	-0.0018 ppm	0.0107 ppm	0.0014 ppm	0.0001 ppm	0.0000 ppm	0.0008 ppm	-0.0001 ppm
Concentration per Run	0.0029 ppm	0.0113 ppm	-0.0001 ppm	0.0001 ppm	-0.0004 ppm	0.0018 ppm	0.0001 ppm
Concentration per Run	0.0029 ppm	0.0165 ppm	0.0005 ppm	0.0000 ppm	-0.0002 ppm	0.0007 ppm	0.0003 ppm
Recovery Percentage	13.800 %	2.571 %	1.183 %	0.651 %	-2.084 %	5.535 %	1.229 %
Concentration RSD	196.7 %	24.9 %	126.0 %	57.1 %	103.7 %	56.0 %	150.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	99.2177 %	97.5637 %	99.7818 %	99.4977 %	97.4501 %	99.7014 %
Concentration per Run	0.0001 ppm	99.0795 %	97.9936 %	99.6496 %	99.2493 %	97.6571 %	99.4407 %
Concentration per Run	0.0002 ppm	99.5413 %	97.3669 %	99.7592 %	99.8630 %	97.8247 %	99.7310 %
Concentration per Run	0.0004 ppm	99.0322 %	97.3307 %	99.9366 %	99.3807 %	96.8686 %	99.9324 %
Recovery Percentage	4.951 %						
Concentration RSD	47.5 %	0.3 %	0.4 %	0.1 %	0.3 %	0.5 %	0.2 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: LDR 300 Fe Pass
Analysis started at: 11/28/2025 8:43:14 AM
Comment <Comment>
Rack Number 1
Vial Numbers 37

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0015 ppm	0.0022 ppm	-0.0008 ppm	0.0009 ppm	0.0002 ppm	0.0000 ppm	0.0128 ppm
Concentration per Run	0.0018 ppm	0.0063 ppm	-0.0012 ppm	-0.0005 ppm	0.0003 ppm	0.0001 ppm	0.0142 ppm
Concentration per Run	0.0013 ppm	0.0014 ppm	-0.0004 ppm	0.0023 ppm	0.0000 ppm	0.0000 ppm	0.0106 ppm
Concentration per Run	0.0014 ppm	-0.0010 ppm	-0.0008 ppm	0.0010 ppm	0.0002 ppm	0.0000 ppm	0.0136 ppm
Concentration RSD	19.6 %	164.9 %	54.0 %	149.8 %	75.1 %	81.5 %	15.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0009 ppm	0.0016 ppm	0.0000 ppm	0.0017 ppm	277.4262 ppm	-0.0114 ppm	0.0011 ppm
Concentration per Run	0.0009 ppm	0.0014 ppm	-0.0002 ppm	0.0025 ppm	276.3921 ppm	-0.0123 ppm	0.0009 ppm
Concentration per Run	0.0011 ppm	0.0019 ppm	0.0002 ppm	0.0008 ppm	279.4082 ppm	-0.0248 ppm	0.0001 ppm
Concentration per Run	0.0008 ppm	0.0017 ppm	0.0001 ppm	0.0017 ppm	276.4782 ppm	0.0027 ppm	0.0022 ppm
Concentration RSD	17.7 %	15.8 %	503.1 %	51.4 %	0.6 %	120.3 %	100.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0087 ppm	-0.0016 ppm	-0.0021 ppm	-0.0051 ppm	0.0007 ppm	-0.0026 ppm	-0.0040 ppm
Concentration per Run	0.0098 ppm	-0.0017 ppm	-0.0020 ppm	-0.0063 ppm	0.0019 ppm	-0.0014 ppm	-0.0045 ppm
Concentration per Run	0.0108 ppm	-0.0018 ppm	-0.0017 ppm	0.0006 ppm	-0.0003 ppm	-0.0019 ppm	-0.0078 ppm
Concentration per Run	0.0054 ppm	-0.0014 ppm	-0.0025 ppm	-0.0095 ppm	0.0005 ppm	-0.0046 ppm	0.0004 ppm
Concentration RSD	32.9 %	12.7 %	22.3 %	102.4 %	157.5 %	64.9 %	105.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0006 ppm	0.0096 ppm	0.0019 ppm	0.0004 ppm	-0.0002 ppm	0.0000 ppm	-0.0029 ppm
Concentration per Run	0.0003 ppm	0.0095 ppm	0.0028 ppm	0.0005 ppm	0.0003 ppm	0.0003 ppm	-0.0025 ppm
Concentration per Run	-0.0016 ppm	0.0099 ppm	0.0020 ppm	0.0003 ppm	-0.0008 ppm	-0.0006 ppm	-0.0031 ppm
Concentration per Run	-0.0006 ppm	0.0093 ppm	0.0008 ppm	0.0002 ppm	-0.0002 ppm	0.0003 ppm	-0.0031 ppm
Concentration RSD	152.3 %	3.3 %	54.6 %	38.6 %	269.8 %	3,042.9 %	12.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0011 ppm	100.3768 %	99.4573 %	97.2699 %	98.2052 %	98.1027 %	99.4533 %
Concentration per Run	0.0008 ppm	100.6399 %	99.8174 %	97.1608 %	98.2627 %	97.8867 %	99.3654 %
Concentration per Run	0.0009 ppm	99.7472 %	98.3354 %	97.5066 %	97.8011 %	97.9145 %	99.8175 %
Concentration per Run	0.0015 ppm	100.7434 %	100.2192 %	97.1425 %	98.5518 %	98.5071 %	99.1770 %
Concentration RSD	37.3 %	0.5 %	1.0 %	0.2 %	0.4 %	0.4 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574361-15D2 WG2146097
Analysis started at: 11/28/2025 8:53:19 AM
Comment rr for Sb LDR
Rack Number 1
Vial Numbers 36

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0234 ppm	21.8906 ppm	0.3876 ppm	0.1238 ppm	0.4924 ppm	0.0020 ppm	13.3172 ppm
Concentration per Run	0.0236 ppm	21.8771 ppm	0.3874 ppm	0.1241 ppm	0.4921 ppm	0.0020 ppm	13.2870 ppm
Concentration per Run	0.0231 ppm	22.0024 ppm	0.3840 ppm	0.1251 ppm	0.4959 ppm	0.0021 ppm	13.4189 ppm
Concentration per Run	0.0236 ppm	21.7923 ppm	0.3913 ppm	0.1221 ppm	0.4892 ppm	0.0020 ppm	13.2458 ppm
Concentration RSD	1.3 %	0.5 %	0.9 %	1.2 %	0.7 %	1.9 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0140 ppm	0.0304 ppm	0.2164 ppm	0.3384 ppm	64.0632 ppm	2.7712 ppm	0.0371 ppm
Concentration per Run	0.0139 ppm	0.0306 ppm	0.2145 ppm	0.3365 ppm	64.0503 ppm	2.7852 ppm	0.0382 ppm
Concentration per Run	0.0142 ppm	0.0306 ppm	0.2158 ppm	0.3376 ppm	64.5037 ppm	2.7681 ppm	0.0357 ppm
Concentration per Run	0.0140 ppm	0.0300 ppm	0.2190 ppm	0.3412 ppm	63.6354 ppm	2.7602 ppm	0.0374 ppm
Concentration RSD	0.9 %	1.1 %	1.1 %	0.7 %	0.7 %	0.5 %	3.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	7.8401 ppm	0.9275 ppm	0.0145 ppm	1.5368 ppm	0.1016 ppm	502.7922 ppm	7.5072 ppm
Concentration per Run	7.8140 ppm	0.9252 ppm	0.0147 ppm	1.5301 ppm	0.1002 ppm	503.9378 ppm	7.4618 ppm
Concentration per Run	7.8414 ppm	0.9348 ppm	0.0145 ppm	1.5531 ppm	0.1021 ppm	501.5972 ppm	7.5261 ppm
Concentration per Run	7.8649 ppm	0.9226 ppm	0.0144 ppm	1.5272 ppm	0.1025 ppm	502.8417 ppm	7.5336 ppm
Concentration RSD	0.3 %	0.7 %	1.2 %	0.9 %	1.2 %	0.2 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0061 ppm	3.1587 ppm	0.4030 ppm	0.0935 ppm	0.8882 ppm	-0.0055 ppm	0.4155 ppm
Concentration per Run	0.0073 ppm	3.1420 ppm	0.3992 ppm	0.0937 ppm	0.8831 ppm	-0.0051 ppm	0.4128 ppm
Concentration per Run	0.0058 ppm	3.1655 ppm	0.4074 ppm	0.0943 ppm	0.8885 ppm	-0.0043 ppm	0.4155 ppm
Concentration per Run	0.0052 ppm	3.1686 ppm	0.4025 ppm	0.0926 ppm	0.8930 ppm	-0.0070 ppm	0.4183 ppm
Concentration RSD	18.3 %	0.5 %	1.0 %	0.9 %	0.6 %	25.6 %	0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	4.9652 ppm	102.7244 %	104.6395 %	99.2521 %	104.6270 %	106.7017 %	104.3566 %
Concentration per Run	4.9190 ppm	103.5598 %	104.7049 %	99.4549 %	105.1934 %	106.6846 %	104.6365 %
Concentration per Run	4.9785 ppm	102.3952 %	103.2309 %	99.4489 %	104.2672 %	106.0581 %	104.8255 %
Concentration per Run	4.9980 ppm	102.2183 %	105.9828 %	98.8524 %	104.4203 %	107.3623 %	103.6079 %
Concentration RSD	0.8 %	0.7 %	1.3 %	0.3 %	0.5 %	0.6 %	0.6 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2575694-06D2 WG2147040
Analysis started at: 11/28/2025 8:56:22 AM
Comment <Comment>
Rack Number 1
Vial Numbers 48

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0010 ppm	16.2569 ppm	0.0456 ppm	0.0073 ppm	0.4971 ppm	0.0013 ppm	6.2159 ppm
Concentration per Run	0.0013 ppm	16.2680 ppm	0.0438 ppm	0.0079 ppm	0.4987 ppm	0.0013 ppm	6.2304 ppm
Concentration per Run	0.0011 ppm	16.1781 ppm	0.0440 ppm	0.0064 ppm	0.4937 ppm	0.0013 ppm	6.1699 ppm
Concentration per Run	0.0007 ppm	16.3247 ppm	0.0489 ppm	0.0074 ppm	0.4988 ppm	0.0013 ppm	6.2472 ppm
Concentration RSD	33.9 %	0.5 %	6.4 %	10.3 %	0.6 %	2.6 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0026 ppm	0.0067 ppm	0.0341 ppm	0.1299 ppm	28.5687 ppm	0.9209 ppm	0.0313 ppm
Concentration per Run	0.0026 ppm	0.0064 ppm	0.0337 ppm	0.1296 ppm	28.6853 ppm	0.9383 ppm	0.0322 ppm
Concentration per Run	0.0027 ppm	0.0069 ppm	0.0346 ppm	0.1300 ppm	28.3822 ppm	0.9198 ppm	0.0320 ppm
Concentration per Run	0.0025 ppm	0.0068 ppm	0.0339 ppm	0.1300 ppm	28.6387 ppm	0.9045 ppm	0.0297 ppm
Concentration RSD	3.0 %	4.1 %	1.4 %	0.2 %	0.6 %	1.8 %	4.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	1.8690 ppm	0.7170 ppm	0.0048 ppm	0.4194 ppm	0.0172 ppm	2.2691 ppm	0.0137 ppm
Concentration per Run	1.8632 ppm	0.7161 ppm	0.0044 ppm	0.4217 ppm	0.0172 ppm	2.2712 ppm	0.0086 ppm
Concentration per Run	1.8667 ppm	0.7131 ppm	0.0052 ppm	0.4217 ppm	0.0168 ppm	2.2717 ppm	0.0136 ppm
Concentration per Run	1.8772 ppm	0.7217 ppm	0.0047 ppm	0.4149 ppm	0.0176 ppm	2.2643 ppm	0.0190 ppm
Concentration RSD	0.4 %	0.6 %	8.3 %	0.9 %	2.5 %	0.2 %	37.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0199 ppm	3.1580 ppm	0.0325 ppm	0.1200 ppm	0.4972 ppm	0.0012 ppm	0.0685 ppm
Concentration per Run	0.0195 ppm	3.1638 ppm	0.0337 ppm	0.1201 ppm	0.4944 ppm	0.0010 ppm	0.0687 ppm
Concentration per Run	0.0235 ppm	3.1644 ppm	0.0311 ppm	0.1194 ppm	0.4979 ppm	0.0022 ppm	0.0689 ppm
Concentration per Run	0.0168 ppm	3.1459 ppm	0.0327 ppm	0.1205 ppm	0.4993 ppm	0.0006 ppm	0.0680 ppm
Concentration RSD	16.8 %	0.3 %	4.0 %	0.5 %	0.5 %	66.1 %	0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.7238 ppm	102.2937 %	101.3064 %	100.1233 %	102.4140 %	101.3827 %	102.7719 %
Concentration per Run	0.7200 ppm	102.7637 %	101.2631 %	99.8689 %	102.9766 %	101.7341 %	102.3779 %
Concentration per Run	0.7266 ppm	101.7409 %	101.2409 %	100.0218 %	101.9506 %	100.7830 %	102.8651 %
Concentration per Run	0.7247 ppm	102.3765 %	101.4152 %	100.4791 %	102.3148 %	101.6309 %	103.0727 %
Concentration RSD	0.5 %	0.5 %	0.1 %	0.3 %	0.5 %	0.5 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: CCV
Analysis started at: 11/28/2025 8:58:32 AM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5043 ppm	0.4809 ppm	0.4770 ppm	0.4882 ppm	0.4981 ppm	0.5050 ppm	0.4907 ppm
Concentration per Run	0.5035 ppm	0.4981 ppm	0.4769 ppm	0.4868 ppm	0.5006 ppm	0.5067 ppm	0.4898 ppm
Concentration per Run	0.5069 ppm	0.4731 ppm	0.4761 ppm	0.4897 ppm	0.4996 ppm	0.5058 ppm	0.4901 ppm
Concentration per Run	0.5024 ppm	0.4715 ppm	0.4780 ppm	0.4882 ppm	0.4940 ppm	0.5024 ppm	0.4922 ppm
Recovery Percentage	100.853 %	96.182 %	95.398 %	97.645 %	99.612 %	100.992 %	98.135 %
Concentration RSD	0.5 %	3.1 %	0.2 %	0.3 %	0.7 %	0.5 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5127 ppm	0.5128 ppm	0.5130 ppm	0.5194 ppm	0.4942 ppm	5.1117 ppm	0.5212 ppm
Concentration per Run	0.5110 ppm	0.5108 ppm	0.5101 ppm	0.5182 ppm	0.4955 ppm	5.1231 ppm	0.5216 ppm
Concentration per Run	0.5164 ppm	0.5154 ppm	0.5176 ppm	0.5224 ppm	0.4925 ppm	5.1368 ppm	0.5320 ppm
Concentration per Run	0.5106 ppm	0.5121 ppm	0.5114 ppm	0.5175 ppm	0.4945 ppm	5.0751 ppm	0.5101 ppm
Recovery Percentage	102.536 %	102.556 %	102.610 %	103.874 %	98.837 %	102.234 %	104.248 %
Concentration RSD	0.6 %	0.5 %	0.8 %	0.5 %	0.3 %	0.6 %	2.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5031 ppm	0.5044 ppm	0.4882 ppm	10.1305 ppm	0.5130 ppm	0.4977 ppm	0.5078 ppm
Concentration per Run	0.5040 ppm	0.5051 ppm	0.4858 ppm	10.1339 ppm	0.5110 ppm	0.4967 ppm	0.5081 ppm
Concentration per Run	0.5049 ppm	0.5034 ppm	0.4917 ppm	10.1911 ppm	0.5168 ppm	0.4967 ppm	0.5075 ppm
Concentration per Run	0.5005 ppm	0.5046 ppm	0.4871 ppm	10.0665 ppm	0.5111 ppm	0.4999 ppm	0.5076 ppm
Recovery Percentage	100.628 %	100.874 %	97.641 %	101.305 %	102.596 %	99.549 %	101.552 %
Concentration RSD	0.5 %	0.2 %	0.6 %	0.6 %	0.7 %	0.4 %	0.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4798 ppm	5.3805 ppm	0.4922 ppm	0.4922 ppm	0.4957 ppm	0.5005 ppm	0.5126 ppm
Concentration per Run	0.4849 ppm	5.3594 ppm	0.4919 ppm	0.4947 ppm	0.4961 ppm	0.4995 ppm	0.5114 ppm
Concentration per Run	0.4776 ppm	5.4108 ppm	0.4972 ppm	0.4935 ppm	0.4975 ppm	0.5001 ppm	0.5157 ppm
Concentration per Run	0.4769 ppm	5.3713 ppm	0.4875 ppm	0.4885 ppm	0.4934 ppm	0.5017 ppm	0.5107 ppm
Recovery Percentage	95.968 %	102.486 %	98.441 %	98.446 %	99.136 %	100.094 %	102.516 %
Concentration RSD	0.9 %	0.5 %	1.0 %	0.7 %	0.4 %	0.2 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5078 ppm	102.1131 %	100.4788 %	101.3646 %	100.6630 %	98.2482 %	100.1979 %
Concentration per Run	0.5061 ppm	102.2556 %	101.1090 %	101.4840 %	100.5589 %	99.1995 %	100.2408 %
Concentration per Run	0.5118 ppm	101.7123 %	101.1086 %	101.0695 %	100.4764 %	98.9262 %	99.8601 %
Concentration per Run	0.5056 ppm	102.3715 %	99.2188 %	101.5402 %	100.9538 %	96.6190 %	100.4927 %
Recovery Percentage	101.565 %						
Concentration RSD	0.7 %	0.3 %	1.1 %	0.3 %	0.3 %	1.4 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: CCB
Analysis started at: 11/28/2025 9:00:41 AM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	0.0063 ppm	-0.0022 ppm	0.0005 ppm	0.0000 ppm	0.0000 ppm	-0.0016 ppm
Concentration per Run	0.0003 ppm	0.0066 ppm	-0.0024 ppm	0.0004 ppm	0.0000 ppm	0.0000 ppm	-0.0016 ppm
Concentration per Run	0.0002 ppm	0.0111 ppm	-0.0021 ppm	-0.0004 ppm	0.0001 ppm	0.0000 ppm	-0.0022 ppm
Concentration per Run	0.0001 ppm	0.0010 ppm	-0.0022 ppm	0.0015 ppm	-0.0002 ppm	0.0000 ppm	-0.0009 ppm
Recovery Percentage	2.658 %	6.264 %	-44.078 %	1.663 %	-0.182 %	0.229 %	-1.562 %
Concentration RSD	61.8 %	80.9 %	6.3 %	196.9 %	744.3 %	250.3 %	43.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0002 ppm	-0.0005 ppm	-0.0002 ppm	0.0000 ppm	-0.0426 ppm	0.0037 ppm
Concentration per Run	0.0001 ppm	0.0002 ppm	-0.0003 ppm	-0.0002 ppm	-0.0007 ppm	-0.0337 ppm	0.0033 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	-0.0005 ppm	0.0001 ppm	-0.0003 ppm	-0.0673 ppm	0.0029 ppm
Concentration per Run	0.0002 ppm	0.0003 ppm	-0.0005 ppm	-0.0004 ppm	0.0010 ppm	-0.0268 ppm	0.0049 ppm
Recovery Percentage	1.686 %	1.242 %	-4.506 %	-1.659 %	-0.019 %	-1.704 %	73.799 %
Concentration RSD	81.9 %	21.7 %	30.8 %	126.2 %	9,775.0 %	50.8 %	27.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0004 ppm	-0.0001 ppm	0.0000 ppm	-0.0063 ppm	-0.0004 ppm	0.0000 ppm	0.0014 ppm
Concentration per Run	0.0002 ppm	0.0001 ppm	-0.0002 ppm	-0.0018 ppm	-0.0006 ppm	0.0003 ppm	-0.0016 ppm
Concentration per Run	-0.0008 ppm	-0.0004 ppm	0.0000 ppm	-0.0051 ppm	-0.0001 ppm	-0.0006 ppm	0.0025 ppm
Concentration per Run	-0.0007 ppm	-0.0001 ppm	0.0002 ppm	-0.0121 ppm	-0.0006 ppm	0.0003 ppm	0.0032 ppm
Recovery Percentage	-0.448 %	-1.457 %	-0.023 %	-0.316 %	-1.612 %	0.177 %	2.713 %
Concentration RSD	118.5 %	160.3 %	1,640.6 %	83.0 %	68.0 %	2,995.6 %	189.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0033 ppm	0.0047 ppm	0.0013 ppm	0.0001 ppm	0.0000 ppm	0.0007 ppm	-0.0001 ppm
Concentration per Run	0.0024 ppm	0.0049 ppm	0.0016 ppm	0.0001 ppm	-0.0002 ppm	0.0010 ppm	0.0000 ppm
Concentration per Run	0.0041 ppm	0.0058 ppm	0.0015 ppm	0.0001 ppm	0.0002 ppm	0.0002 ppm	-0.0001 ppm
Concentration per Run	0.0034 ppm	0.0034 ppm	0.0008 ppm	0.0001 ppm	-0.0001 ppm	0.0010 ppm	0.0000 ppm
Recovery Percentage	32.970 %	0.943 %	2.607 %	0.906 %	-0.319 %	3.641 %	-0.801 %
Concentration RSD	26.6 %	25.8 %	31.4 %	24.6 %	749.0 %	64.5 %	68.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0001 ppm	100.0934 %	98.2188 %	100.7772 %	100.5858 %	98.1987 %	100.6444 %
Concentration per Run	0.0003 ppm	100.9388 %	98.6237 %	100.3243 %	101.3382 %	98.0352 %	100.2226 %
Concentration per Run	0.0001 ppm	99.6551 %	98.1355 %	100.5563 %	100.1270 %	98.1005 %	100.3133 %
Concentration per Run	0.0000 ppm	99.6864 %	97.8973 %	101.4509 %	100.2924 %	98.4604 %	101.3972 %
Recovery Percentage	2.154 %						
Concentration RSD	143.4 %	0.7 %	0.4 %	0.6 %	0.7 %	0.2 %	0.6 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2147040-1 WG2147040
Analysis started at: 11/28/2025 9:31:19 AM
Comment <Comment>
Rack Number 1
Vial Numbers 38

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0464 ppm	-0.0006 ppm	-0.0007 ppm	0.0004 ppm	0.0001 ppm	0.0285 ppm
Concentration per Run	0.0000 ppm	0.0506 ppm	-0.0006 ppm	-0.0005 ppm	0.0003 ppm	0.0000 ppm	0.0309 ppm
Concentration per Run	-0.0001 ppm	0.0410 ppm	-0.0008 ppm	-0.0007 ppm	0.0004 ppm	0.0001 ppm	0.0240 ppm
Concentration per Run	-0.0003 ppm	0.0475 ppm	-0.0004 ppm	-0.0009 ppm	0.0005 ppm	0.0001 ppm	0.0304 ppm
Recovery Percentage	-2.007 %	46.362 %	-12.227 %	-2.272 %	3.854 %	1.543 %	28.452 %
Concentration RSD	112.1 %	10.5 %	36.8 %	33.2 %	19.7 %	65.2 %	13.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0001 ppm	-0.0002 ppm	0.0000 ppm	**0.0683 ppm**	-0.0125 ppm	**0.0027 ppm**
Concentration per Run	0.0000 ppm	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0672 ppm	-0.0265 ppm	-0.0004 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	-0.0002 ppm	-0.0001 ppm	0.0685 ppm	0.0036 ppm	0.0040 ppm
Concentration per Run	0.0000 ppm	-0.0004 ppm	-0.0001 ppm	0.0003 ppm	0.0692 ppm	-0.0145 ppm	0.0046 ppm
Recovery Percentage	-0.298 %	-0.399 %	-1.635 %	0.388 %	136.583 %	-0.498 %	54.602 %
Concentration RSD	19.0 %	398.1 %	54.1 %	528.1 %	**1.5 %**	121.8 %	**100.0 %**

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0173 ppm	0.0025 ppm	0.0000 ppm	-0.0051 ppm	-0.0001 ppm	-0.0006 ppm	0.0010 ppm
Concentration per Run	0.0167 ppm	0.0025 ppm	0.0001 ppm	-0.0095 ppm	-0.0008 ppm	-0.0008 ppm	0.0031 ppm
Concentration per Run	0.0171 ppm	0.0023 ppm	0.0000 ppm	-0.0053 ppm	0.0008 ppm	-0.0009 ppm	0.0005 ppm
Concentration per Run	0.0182 ppm	0.0026 ppm	0.0001 ppm	-0.0005 ppm	-0.0003 ppm	-0.0002 ppm	-0.0006 ppm
Recovery Percentage	17.326 %	24.615 %	0.086 %	-0.254 %	-0.491 %	-6.273 %	1.970 %
Concentration RSD	4.4 %	6.6 %	141.6 %	89.0 %	659.9 %	61.8 %	196.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0011 ppm	0.0535 ppm	0.0098 ppm	0.0003 ppm	0.0023 ppm	-0.0013 ppm	0.0000 ppm
Concentration per Run	0.0005 ppm	0.0532 ppm	0.0100 ppm	0.0002 ppm	0.0021 ppm	-0.0025 ppm	0.0003 ppm
Concentration per Run	0.0009 ppm	0.0534 ppm	0.0098 ppm	0.0002 ppm	0.0022 ppm	-0.0001 ppm	-0.0002 ppm
Concentration per Run	0.0020 ppm	0.0538 ppm	0.0097 ppm	0.0004 ppm	0.0026 ppm	-0.0012 ppm	-0.0001 ppm
Recovery Percentage	11.353 %	10.694 %	19.629 %	2.844 %	22.709 %	-6.273 %	0.201 %
Concentration RSD	65.3 %	0.6 %	1.6 %	47.4 %	12.5 %	93.4 %	1,364.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0020 ppm	102.5759 %	101.6297 %	101.6146 %	102.5414 %	100.8763 %	102.3975 %
Concentration per Run	0.0023 ppm	102.5320 %	102.5530 %	101.1071 %	102.2405 %	101.8873 %	102.3206 %
Concentration per Run	0.0021 ppm	102.5797 %	101.2632 %	101.6336 %	102.8139 %	100.0407 %	102.1676 %
Concentration per Run	0.0017 ppm	102.6159 %	101.0728 %	102.1032 %	102.5698 %	100.7008 %	102.7041 %
Recovery Percentage	40.177 %						
Concentration RSD	14.7 %	0.0 %	0.8 %	0.5 %	0.3 %	0.9 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2147040-2D2 WG2147040
Analysis started at: 11/28/2025 9:33:39 AM
Comment <Comment>
Rack Number 1
Vial Numbers 39

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.2159 ppm	16.3542 ppm	0.5395 ppm	0.8191 ppm	0.6799 ppm	0.9329 ppm	15.3574 ppm
Concentration per Run	0.2138 ppm	16.4346 ppm	0.5407 ppm	0.8136 ppm	0.6877 ppm	0.9376 ppm	15.5021 ppm
Concentration per Run	0.2163 ppm	16.3744 ppm	0.5376 ppm	0.8200 ppm	0.6787 ppm	0.9331 ppm	15.3233 ppm
Concentration per Run	0.2176 ppm	16.2536 ppm	0.5401 ppm	0.8238 ppm	0.6735 ppm	0.9279 ppm	15.2468 ppm
Concentration RSD	0.9 %	0.6 %	0.3 %	0.6 %	1.1 %	0.5 %	0.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.7661 ppm	0.5002 ppm	0.5036 ppm	0.9327 ppm	20.0240 ppm	6.9061 ppm	0.6347 ppm
Concentration per Run	0.7631 ppm	0.4985 ppm	0.5024 ppm	0.9325 ppm	20.1594 ppm	6.9843 ppm	0.6504 ppm
Concentration per Run	0.7674 ppm	0.5003 ppm	0.5055 ppm	0.9314 ppm	20.0632 ppm	6.8942 ppm	0.6292 ppm
Concentration per Run	0.7678 ppm	0.5019 ppm	0.5029 ppm	0.9343 ppm	19.8495 ppm	6.8397 ppm	0.6244 ppm
Concentration RSD	0.3 %	0.3 %	0.3 %	0.2 %	0.8 %	1.1 %	2.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	6.4782 ppm	0.8974 ppm	0.3542 ppm	6.0156 ppm	0.6077 ppm	0.3696 ppm	0.3469 ppm
Concentration per Run	6.4727 ppm	0.9033 ppm	0.3524 ppm	6.0771 ppm	0.6059 ppm	0.3714 ppm	0.3468 ppm
Concentration per Run	6.4767 ppm	0.8982 ppm	0.3530 ppm	6.0362 ppm	0.6067 ppm	0.3682 ppm	0.3452 ppm
Concentration per Run	6.4852 ppm	0.8906 ppm	0.3571 ppm	5.9334 ppm	0.6104 ppm	0.3690 ppm	0.3485 ppm
Concentration RSD	0.1 %	0.7 %	0.7 %	1.2 %	0.4 %	0.5 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4591 ppm	2.9329 ppm	0.5596 ppm	0.5623 ppm	1.2960 ppm	0.7167 ppm	0.5147 ppm
Concentration per Run	0.4613 ppm	2.9052 ppm	0.5574 ppm	0.5694 ppm	1.2924 ppm	0.7181 ppm	0.5123 ppm
Concentration per Run	0.4552 ppm	2.9449 ppm	0.5622 ppm	0.5621 ppm	1.2976 ppm	0.7168 ppm	0.5145 ppm
Concentration per Run	0.4608 ppm	2.9487 ppm	0.5593 ppm	0.5554 ppm	1.2979 ppm	0.7153 ppm	0.5171 ppm
Concentration RSD	0.7 %	0.8 %	0.4 %	1.2 %	0.2 %	0.2 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.3634 ppm	98.5446 %	100.1545 %	96.6666 %	100.1629 %	101.7859 %	100.5190 %
Concentration per Run	1.3586 ppm	98.3853 %	99.2627 %	96.4236 %	100.1057 %	101.0907 %	100.1980 %
Concentration per Run	1.3686 ppm	98.6534 %	100.5405 %	96.4769 %	99.9647 %	102.7408 %	100.3676 %
Concentration per Run	1.3630 ppm	98.5950 %	100.6601 %	97.0993 %	100.4181 %	101.5261 %	100.9914 %
Concentration RSD	0.4 %	0.1 %	0.8 %	0.4 %	0.2 %	0.8 %	0.4 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2147040-3D2 WG2147040
Analysis started at: 11/28/2025 9:35:49 AM
Comment <Comment>
Rack Number 1
Vial Numbers 40

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.2175 ppm	16.7200 ppm	0.5557 ppm	0.8294 ppm	0.7568 ppm	0.9544 ppm	15.6439 ppm
Concentration per Run	0.2165 ppm	16.7316 ppm	0.5592 ppm	0.8270 ppm	0.7584 ppm	0.9575 ppm	15.6824 ppm
Concentration per Run	0.2184 ppm	16.7668 ppm	0.5571 ppm	0.8316 ppm	0.7571 ppm	0.9535 ppm	15.6336 ppm
Concentration per Run	0.2177 ppm	16.6616 ppm	0.5508 ppm	0.8294 ppm	0.7550 ppm	0.9522 ppm	15.6159 ppm
Concentration RSD	0.4 %	0.3 %	0.8 %	0.3 %	0.2 %	0.3 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.7561 ppm	0.5125 ppm	0.5372 ppm	0.9518 ppm	20.5496 ppm	7.2357 ppm	0.6499 ppm
Concentration per Run	0.7531 ppm	0.5106 ppm	0.5364 ppm	0.9472 ppm	20.6006 ppm	7.2576 ppm	0.6489 ppm
Concentration per Run	0.7572 ppm	0.5150 ppm	0.5395 ppm	0.9552 ppm	20.5273 ppm	7.2371 ppm	0.6511 ppm
Concentration per Run	0.7581 ppm	0.5119 ppm	0.5357 ppm	0.9531 ppm	20.5209 ppm	7.2125 ppm	0.6496 ppm
Concentration RSD	0.4 %	0.4 %	0.4 %	0.4 %	0.2 %	0.3 %	0.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	6.5899 ppm	0.9284 ppm	0.3698 ppm	6.3391 ppm	0.6304 ppm	0.3770 ppm	0.3736 ppm
Concentration per Run	6.5685 ppm	0.9301 ppm	0.3693 ppm	6.3603 ppm	0.6282 ppm	0.3781 ppm	0.3702 ppm
Concentration per Run	6.5915 ppm	0.9279 ppm	0.3707 ppm	6.3418 ppm	0.6330 ppm	0.3757 ppm	0.3747 ppm
Concentration per Run	6.6097 ppm	0.9272 ppm	0.3694 ppm	6.3154 ppm	0.6301 ppm	0.3771 ppm	0.3760 ppm
Concentration RSD	0.3 %	0.2 %	0.2 %	0.4 %	0.4 %	0.3 %	0.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4766 ppm	2.7639 ppm	0.5654 ppm	0.5988 ppm	1.2982 ppm	0.7161 ppm	0.5405 ppm
Concentration per Run	0.4755 ppm	2.7448 ppm	0.5643 ppm	0.6001 ppm	1.2966 ppm	0.7179 ppm	0.5393 ppm
Concentration per Run	0.4754 ppm	2.7836 ppm	0.5675 ppm	0.5991 ppm	1.2914 ppm	0.7153 ppm	0.5424 ppm
Concentration per Run	0.4788 ppm	2.7632 ppm	0.5645 ppm	0.5973 ppm	1.3065 ppm	0.7150 ppm	0.5397 ppm
Concentration RSD	0.4 %	0.7 %	0.3 %	0.2 %	0.6 %	0.2 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.3855 ppm	98.4985 %	99.4205 %	96.4191 %	99.9252 %	101.1417 %	100.1867 %
Concentration per Run	1.3836 ppm	98.4975 %	98.8994 %	95.4520 %	99.7892 %	100.6518 %	99.2935 %
Concentration per Run	1.3882 ppm	98.3007 %	99.2295 %	96.6780 %	99.9768 %	101.0478 %	100.4516 %
Concentration per Run	1.3845 ppm	98.6974 %	100.1325 %	97.1272 %	100.0096 %	101.7254 %	100.8151 %
Concentration RSD	0.2 %	0.2 %	0.6 %	0.9 %	0.1 %	0.5 %	0.8 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2575694-01D2 WG2147040
Analysis started at: 11/28/2025 9:37:58 AM
Comment <Comment>
Rack Number 1
Vial Numbers 46

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0005 ppm	27.7166 ppm	0.0208 ppm	0.0066 ppm	0.1338 ppm	0.0011 ppm	2.2371 ppm
Concentration per Run	0.0006 ppm	27.7330 ppm	0.0212 ppm	0.0067 ppm	0.1337 ppm	0.0012 ppm	2.2431 ppm
Concentration per Run	0.0003 ppm	27.6994 ppm	0.0211 ppm	0.0059 ppm	0.1330 ppm	0.0012 ppm	2.2232 ppm
Concentration per Run	0.0006 ppm	27.7173 ppm	0.0200 ppm	0.0071 ppm	0.1347 ppm	0.0011 ppm	2.2449 ppm
Concentration RSD	36.1 %	0.1 %	3.2 %	8.8 %	0.6 %	2.2 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0007 ppm	0.0073 ppm	0.0572 ppm	0.0549 ppm	57.7032 ppm	1.7908 ppm	0.0252 ppm
Concentration per Run	0.0007 ppm	0.0068 ppm	0.0568 ppm	0.0550 ppm	57.6561 ppm	1.8411 ppm	0.0283 ppm
Concentration per Run	0.0007 ppm	0.0074 ppm	0.0566 ppm	0.0542 ppm	57.2296 ppm	1.7515 ppm	0.0228 ppm
Concentration per Run	0.0007 ppm	0.0076 ppm	0.0581 ppm	0.0555 ppm	58.2241 ppm	1.7798 ppm	0.0246 ppm
Concentration RSD	4.8 %	5.7 %	1.4 %	1.3 %	0.9 %	2.6 %	11.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	4.0018 ppm	0.7871 ppm	0.0025 ppm	0.2351 ppm	0.0192 ppm	0.3840 ppm	0.0056 ppm
Concentration per Run	3.9921 ppm	0.7877 ppm	0.0027 ppm	0.2394 ppm	0.0201 ppm	0.3848 ppm	0.0112 ppm
Concentration per Run	3.9989 ppm	0.7821 ppm	0.0025 ppm	0.2310 ppm	0.0190 ppm	0.3846 ppm	0.0020 ppm
Concentration per Run	4.0143 ppm	0.7915 ppm	0.0023 ppm	0.2348 ppm	0.0184 ppm	0.3826 ppm	0.0036 ppm
Concentration RSD	0.3 %	0.6 %	8.2 %	1.8 %	4.3 %	0.3 %	87.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0028 ppm	2.9518 ppm	0.0072 ppm	0.0248 ppm	0.8499 ppm	0.0002 ppm	0.0765 ppm
Concentration per Run	0.0021 ppm	2.9605 ppm	0.0077 ppm	0.0248 ppm	0.8505 ppm	0.0010 ppm	0.0762 ppm
Concentration per Run	0.0029 ppm	2.9416 ppm	0.0063 ppm	0.0246 ppm	0.8519 ppm	-0.0006 ppm	0.0761 ppm
Concentration per Run	0.0034 ppm	2.9534 ppm	0.0076 ppm	0.0250 ppm	0.8472 ppm	0.0003 ppm	0.0772 ppm
Concentration RSD	23.1 %	0.3 %	10.8 %	0.8 %	0.3 %	350.9 %	0.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1544 ppm	100.1182 %	100.9405 %	98.2400 %	99.9586 %	101.1792 %	100.8935 %
Concentration per Run	0.1533 ppm	100.0415 %	100.7840 %	98.2948 %	99.6349 %	100.8646 %	100.9419 %
Concentration per Run	0.1549 ppm	100.1877 %	101.6018 %	98.2681 %	100.0925 %	101.5939 %	100.8594 %
Concentration per Run	0.1549 ppm	100.1255 %	100.4356 %	98.1570 %	100.1485 %	101.0792 %	100.8792 %
Concentration RSD	0.6 %	0.1 %	0.6 %	0.1 %	0.3 %	0.4 %	0.0 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2575694-02D2 WG2147040
Analysis started at: 11/28/2025 9:40:08 AM
Comment <Comment>
Rack Number 1
Vial Numbers 47

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0005 ppm	32.7457 ppm	0.0249 ppm	0.0077 ppm	0.1201 ppm	0.0014 ppm	2.3863 ppm
Concentration per Run	0.0006 ppm	32.7736 ppm	0.0250 ppm	0.0075 ppm	0.1204 ppm	0.0013 ppm	2.3955 ppm
Concentration per Run	0.0004 ppm	32.7285 ppm	0.0240 ppm	0.0078 ppm	0.1199 ppm	0.0014 ppm	2.3733 ppm
Concentration per Run	0.0006 ppm	32.7350 ppm	0.0257 ppm	0.0077 ppm	0.1201 ppm	0.0013 ppm	2.3901 ppm
Concentration RSD	24.6 %	0.1 %	3.3 %	1.9 %	0.2 %	2.7 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0008 ppm	0.0092 ppm	0.0673 ppm	0.0595 ppm	58.7392 ppm	2.2055 ppm	0.0275 ppm
Concentration per Run	0.0007 ppm	0.0092 ppm	0.0670 ppm	0.0592 ppm	58.9435 ppm	2.2215 ppm	0.0279 ppm
Concentration per Run	0.0008 ppm	0.0094 ppm	0.0665 ppm	0.0592 ppm	58.5361 ppm	2.1923 ppm	0.0300 ppm
Concentration per Run	0.0008 ppm	0.0091 ppm	0.0685 ppm	0.0601 ppm	58.7380 ppm	2.2028 ppm	0.0245 ppm
Concentration RSD	7.5 %	1.9 %	1.5 %	0.8 %	0.3 %	0.7 %	10.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	4.6224 ppm	0.4398 ppm	0.0026 ppm	0.2430 ppm	0.0221 ppm	0.3927 ppm	0.0023 ppm
Concentration per Run	4.6038 ppm	0.4404 ppm	0.0028 ppm	0.2498 ppm	0.0211 ppm	0.3904 ppm	0.0032 ppm
Concentration per Run	4.6255 ppm	0.4381 ppm	0.0023 ppm	0.2425 ppm	0.0240 ppm	0.3953 ppm	0.0032 ppm
Concentration per Run	4.6378 ppm	0.4410 ppm	0.0028 ppm	0.2367 ppm	0.0211 ppm	0.3925 ppm	0.0005 ppm
Concentration RSD	0.4 %	0.3 %	11.3 %	2.7 %	7.6 %	0.6 %	66.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0039 ppm	2.5534 ppm	0.0084 ppm	0.0251 ppm	0.9164 ppm	-0.0008 ppm	0.0938 ppm
Concentration per Run	0.0031 ppm	2.5508 ppm	0.0088 ppm	0.0251 ppm	0.9116 ppm	-0.0015 ppm	0.0939 ppm
Concentration per Run	0.0036 ppm	2.5541 ppm	0.0087 ppm	0.0250 ppm	0.9167 ppm	-0.0012 ppm	0.0935 ppm
Concentration per Run	0.0051 ppm	2.5554 ppm	0.0078 ppm	0.0251 ppm	0.9208 ppm	0.0001 ppm	0.0942 ppm
Concentration RSD	26.6 %	0.1 %	6.9 %	0.4 %	0.5 %	100.0 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1722 ppm	99.8778 %	101.0621 %	98.0224 %	99.9306 %	101.5393 %	101.3318 %
Concentration per Run	0.1718 ppm	100.3630 %	100.1023 %	97.8361 %	100.3214 %	100.7597 %	101.1231 %
Concentration per Run	0.1722 ppm	99.5790 %	102.1354 %	97.7270 %	99.7855 %	102.4395 %	101.2628 %
Concentration per Run	0.1726 ppm	99.6913 %	100.9486 %	98.5040 %	99.6850 %	101.4188 %	101.6096 %
Concentration RSD	0.2 %	0.4 %	1.0 %	0.4 %	0.3 %	0.8 %	0.2 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2575694-03D2 WG2147040
Analysis started at: 11/28/2025 9:42:17 AM
Comment <Comment>
Rack Number 1
Vial Numbers 41

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0004 ppm	11.2309 ppm	0.0247 ppm	0.0038 ppm	0.5726 ppm	0.0008 ppm	5.0202 ppm
Concentration per Run	0.0006 ppm	11.2401 ppm	0.0239 ppm	0.0046 ppm	0.5738 ppm	0.0008 ppm	5.0162 ppm
Concentration per Run	0.0001 ppm	11.2347 ppm	0.0264 ppm	0.0028 ppm	0.5708 ppm	0.0008 ppm	5.0374 ppm
Concentration per Run	0.0003 ppm	11.2180 ppm	0.0240 ppm	0.0042 ppm	0.5732 ppm	0.0008 ppm	5.0070 ppm
Concentration RSD	75.2 %	0.1 %	5.7 %	24.5 %	0.3 %	2.4 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0434 ppm	0.0041 ppm	0.0308 ppm	0.0552 ppm	19.4157 ppm	0.6744 ppm	0.0195 ppm
Concentration per Run	0.0435 ppm	0.0042 ppm	0.0312 ppm	0.0549 ppm	19.4491 ppm	0.7122 ppm	0.0209 ppm
Concentration per Run	0.0432 ppm	0.0038 ppm	0.0302 ppm	0.0557 ppm	19.3046 ppm	0.6676 ppm	0.0197 ppm
Concentration per Run	0.0435 ppm	0.0045 ppm	0.0312 ppm	0.0551 ppm	19.4935 ppm	0.6434 ppm	0.0180 ppm
Concentration RSD	0.4 %	8.5 %	1.9 %	0.7 %	0.5 %	5.2 %	7.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.9371 ppm	0.3271 ppm	0.0013 ppm	0.1866 ppm	0.0219 ppm	0.6485 ppm	0.0021 ppm
Concentration per Run	0.9403 ppm	0.3268 ppm	0.0014 ppm	0.1870 ppm	0.0211 ppm	0.6487 ppm	0.0031 ppm
Concentration per Run	0.9376 ppm	0.3282 ppm	0.0013 ppm	0.1901 ppm	0.0226 ppm	0.6464 ppm	-0.0007 ppm
Concentration per Run	0.9333 ppm	0.3262 ppm	0.0013 ppm	0.1826 ppm	0.0219 ppm	0.6504 ppm	0.0039 ppm
Concentration RSD	0.4 %	0.3 %	4.8 %	2.0 %	3.4 %	0.3 %	115.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0055 ppm	2.1586 ppm	0.0144 ppm	0.0769 ppm	0.4142 ppm	-0.0002 ppm	0.0467 ppm
Concentration per Run	0.0045 ppm	2.1437 ppm	0.0141 ppm	0.0768 ppm	0.4123 ppm	-0.0012 ppm	0.0467 ppm
Concentration per Run	0.0043 ppm	2.1584 ppm	0.0139 ppm	0.0766 ppm	0.4182 ppm	0.0004 ppm	0.0470 ppm
Concentration per Run	0.0077 ppm	2.1736 ppm	0.0152 ppm	0.0771 ppm	0.4122 ppm	0.0001 ppm	0.0463 ppm
Concentration RSD	34.6 %	0.7 %	4.6 %	0.3 %	0.8 %	335.8 %	0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	6.8411 ppm	99.8309 %	99.7247 %	98.4845 %	99.0371 %	99.2003 %	99.7099 %
Concentration per Run	6.8545 ppm	99.7912 %	100.2786 %	98.7900 %	98.9308 %	99.8247 %	99.9572 %
Concentration per Run	6.8499 ppm	99.5892 %	99.6769 %	98.8133 %	98.9994 %	99.4605 %	100.0554 %
Concentration per Run	6.8189 ppm	100.1124 %	99.2185 %	97.8501 %	99.1811 %	98.3158 %	99.1171 %
Concentration RSD	0.3 %	0.3 %	0.5 %	0.6 %	0.1 %	0.8 %	0.5 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: zWG2147040-4D2 WG2147040
Analysis started at: 11/28/2025 9:44:27 AM
Comment <Comment>
Rack Number 1
Vial Numbers 42

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0335 ppm	12.0329 ppm	0.1004 ppm	0.6943 ppm	1.7703 ppm	0.0343 ppm	11.2840 ppm
Concentration per Run	0.0335 ppm	12.0372 ppm	0.0991 ppm	0.6948 ppm	1.7737 ppm	0.0343 ppm	11.2698 ppm
Concentration per Run	0.0332 ppm	12.1081 ppm	0.0991 ppm	0.6898 ppm	1.7749 ppm	0.0344 ppm	11.3553 ppm
Concentration per Run	0.0339 ppm	11.9533 ppm	0.1030 ppm	0.6984 ppm	1.7624 ppm	0.0341 ppm	11.2271 ppm
Concentration RSD	1.0 %	0.6 %	2.2 %	0.6 %	0.4 %	0.5 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0708 ppm	0.3320 ppm	0.1460 ppm	0.2179 ppm	14.1950 ppm	7.8231 ppm	0.7924 ppm
Concentration per Run	0.0707 ppm	0.3318 ppm	0.1476 ppm	0.2187 ppm	14.2363 ppm	7.8712 ppm	0.8087 ppm
Concentration per Run	0.0704 ppm	0.3299 ppm	0.1436 ppm	0.2159 ppm	14.2457 ppm	7.8166 ppm	0.7904 ppm
Concentration per Run	0.0712 ppm	0.3343 ppm	0.1467 ppm	0.2191 ppm	14.1030 ppm	7.7815 ppm	0.7780 ppm
Concentration RSD	0.5 %	0.7 %	1.4 %	0.8 %	0.6 %	0.6 %	2.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	7.9620 ppm	0.5957 ppm	0.6919 ppm	7.5086 ppm	0.3509 ppm	0.9968 ppm	0.2629 ppm
Concentration per Run	7.9553 ppm	0.5961 ppm	0.6925 ppm	7.5144 ppm	0.3502 ppm	0.9977 ppm	0.2632 ppm
Concentration per Run	7.8908 ppm	0.5986 ppm	0.6872 ppm	7.5388 ppm	0.3491 ppm	0.9974 ppm	0.2630 ppm
Concentration per Run	8.0399 ppm	0.5923 ppm	0.6960 ppm	7.4726 ppm	0.3533 ppm	0.9953 ppm	0.2624 ppm
Concentration RSD	0.9 %	0.5 %	0.6 %	0.4 %	0.6 %	0.1 %	0.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0842 ppm	3.4445 ppm	0.6950 ppm	0.7562 ppm	0.9231 ppm	0.0850 ppm	0.3727 ppm
Concentration per Run	0.0858 ppm	3.4488 ppm	0.6979 ppm	0.7577 ppm	0.9231 ppm	0.0839 ppm	0.3736 ppm
Concentration per Run	0.0852 ppm	3.4364 ppm	0.6877 ppm	0.7582 ppm	0.9136 ppm	0.0868 ppm	0.3703 ppm
Concentration per Run	0.0815 ppm	3.4484 ppm	0.6993 ppm	0.7528 ppm	0.9326 ppm	0.0843 ppm	0.3744 ppm
Concentration RSD	2.8 %	0.2 %	0.9 %	0.4 %	1.0 %	1.9 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	5.6700 ppm	99.1966 %	100.0571 %	96.9383 %	98.1179 %	99.1848 %	98.3355 %
Concentration per Run	5.6760 ppm	99.4258 %	99.8267 %	96.4455 %	98.3605 %	99.2610 %	98.0507 %
Concentration per Run	5.6134 ppm	99.8148 %	99.7128 %	97.2000 %	98.3572 %	98.9561 %	98.5488 %
Concentration per Run	5.7208 ppm	98.3492 %	100.6318 %	97.1693 %	97.6358 %	99.3374 %	98.4069 %
Concentration RSD	1.0 %	0.8 %	0.5 %	0.4 %	0.4 %	0.2 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2147040-5D2 WG2147040
Analysis started at: 11/28/2025 9:46:36 AM
Comment <Comment>
Rack Number 1
Vial Numbers 43

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0473 ppm	15.1621 ppm	0.1421 ppm	0.9809 ppm	2.6043 ppm	0.0483 ppm	16.4474 ppm
Concentration per Run	0.0475 ppm	15.1466 ppm	0.1396 ppm	0.9756 ppm	2.6079 ppm	0.0483 ppm	16.5187 ppm
Concentration per Run	0.0471 ppm	15.1284 ppm	0.1432 ppm	0.9734 ppm	2.5939 ppm	0.0482 ppm	16.4109 ppm
Concentration per Run	0.0471 ppm	15.2112 ppm	0.1435 ppm	0.9936 ppm	2.6111 ppm	0.0483 ppm	16.4127 ppm
Concentration RSD	0.4 %	0.3 %	1.5 %	1.1 %	0.4 %	0.1 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.1103 ppm	0.4675 ppm	0.2049 ppm	0.3002 ppm	18.3310 ppm	10.9933 ppm	1.0896 ppm
Concentration per Run	0.1099 ppm	0.4668 ppm	0.2051 ppm	0.2991 ppm	18.4453 ppm	11.0213 ppm	1.1000 ppm
Concentration per Run	0.1095 ppm	0.4647 ppm	0.2023 ppm	0.2985 ppm	18.2132 ppm	10.9471 ppm	1.0781 ppm
Concentration per Run	0.1116 ppm	0.4710 ppm	0.2074 ppm	0.3030 ppm	18.3345 ppm	11.0116 ppm	1.0908 ppm
Concentration RSD	1.0 %	0.7 %	1.2 %	0.8 %	0.6 %	0.4 %	1.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	11.1308 ppm	0.7931 ppm	0.9819 ppm	10.4599 ppm	0.4933 ppm	1.2850 ppm	0.3937 ppm
Concentration per Run	11.0919 ppm	0.7932 ppm	0.9781 ppm	10.5540 ppm	0.4922 ppm	1.2808 ppm	0.3910 ppm
Concentration per Run	11.1208 ppm	0.7907 ppm	0.9773 ppm	10.4106 ppm	0.4904 ppm	1.2841 ppm	0.3906 ppm
Concentration per Run	11.1796 ppm	0.7953 ppm	0.9903 ppm	10.4150 ppm	0.4974 ppm	1.2901 ppm	0.3994 ppm
Concentration RSD	0.4 %	0.3 %	0.7 %	0.8 %	0.7 %	0.4 %	1.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1231 ppm	4.8308 ppm	0.9829 ppm	1.0724 ppm	1.3391 ppm	0.1168 ppm	0.5283 ppm
Concentration per Run	0.1216 ppm	4.8244 ppm	0.9786 ppm	1.0781 ppm	1.3401 ppm	0.1177 ppm	0.5252 ppm
Concentration per Run	0.1220 ppm	4.7792 ppm	0.9787 ppm	1.0675 ppm	1.3330 ppm	0.1150 ppm	0.5248 ppm
Concentration per Run	0.1258 ppm	4.8888 ppm	0.9913 ppm	1.0715 ppm	1.3442 ppm	0.1176 ppm	0.5349 ppm
Concentration RSD	1.9 %	1.1 %	0.7 %	0.5 %	0.4 %	1.3 %	1.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	8.9852 ppm	100.3570 %	101.1530 %	96.6526 %	99.4892 %	100.4290 %	98.7656 %
Concentration per Run	8.9611 ppm	100.4837 %	101.4602 %	97.1587 %	99.3198 %	101.0561 %	99.2779 %
Concentration per Run	8.9165 ppm	100.7064 %	101.2885 %	96.7566 %	99.6534 %	100.2917 %	98.6066 %
Concentration per Run	9.0779 ppm	99.8811 %	100.7102 %	96.0424 %	99.4943 %	99.9390 %	98.4121 %
Concentration RSD	0.9 %	0.4 %	0.4 %	0.6 %	0.2 %	0.6 %	0.5 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2147040-6D2 WG2147040
Analysis started at: 11/28/2025 9:48:45 AM
Comment <Comment>
Rack Number 1
Vial Numbers 44

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0461 ppm	12.7978 ppm	0.1382 ppm	1.0085 ppm	2.4248 ppm	0.0480 ppm	15.1729 ppm
Concentration per Run	0.0467 ppm	12.6992 ppm	0.1366 ppm	1.0082 ppm	2.3922 ppm	0.0475 ppm	15.1103 ppm
Concentration per Run	0.0452 ppm	12.8736 ppm	0.1395 ppm	1.0034 ppm	2.4443 ppm	0.0482 ppm	15.2378 ppm
Concentration per Run	0.0463 ppm	12.8205 ppm	0.1384 ppm	1.0138 ppm	2.4380 ppm	0.0482 ppm	15.1705 ppm
Concentration RSD	1.6 %	0.7 %	1.0 %	0.5 %	1.2 %	0.8 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0943 ppm	0.4652 ppm	0.2175 ppm	0.2902 ppm	19.6432 ppm	11.0112 ppm	0.0176 ppm
Concentration per Run	0.0944 ppm	0.4643 ppm	0.2171 ppm	0.2909 ppm	19.4777 ppm	10.8579 ppm	0.0174 ppm
Concentration per Run	0.0939 ppm	0.4644 ppm	0.2159 ppm	0.2888 ppm	19.6971 ppm	11.0996 ppm	0.0173 ppm
Concentration per Run	0.0947 ppm	0.4669 ppm	0.2195 ppm	0.2909 ppm	19.7548 ppm	11.0761 ppm	0.0180 ppm
Concentration RSD	0.4 %	0.3 %	0.9 %	0.4 %	0.7 %	1.2 %	2.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	11.0881 ppm	0.7825 ppm	1.0037 ppm	10.6720 ppm	0.4883 ppm	1.1412 ppm	0.4881 ppm
Concentration per Run	11.1167 ppm	0.7768 ppm	1.0042 ppm	10.5707 ppm	0.4890 ppm	1.1437 ppm	0.4919 ppm
Concentration per Run	11.0145 ppm	0.7871 ppm	1.0013 ppm	10.7101 ppm	0.4877 ppm	1.1454 ppm	0.4850 ppm
Concentration per Run	11.1331 ppm	0.7837 ppm	1.0057 ppm	10.7353 ppm	0.4881 ppm	1.1344 ppm	0.4875 ppm
Concentration RSD	0.6 %	0.7 %	0.2 %	0.8 %	0.1 %	0.5 %	0.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1217 ppm	3.3042 ppm	1.0156 [SIC 50]	1.0582 ppm	1.4066 ppm	0.1185 ppm	0.5234 ppm
Concentration per Run	0.1216 ppm	3.2998 ppm	1.0196 ppm	1.0440 ppm	1.4119 ppm	0.1195 ppm	0.5237 ppm
Concentration per Run	0.1216 ppm	3.2986 ppm	1.0133 ppm	1.0682 ppm	1.4027 ppm	0.1173 ppm	0.5210 ppm
Concentration per Run	0.1218 ppm	3.3141 ppm	1.0140 ppm	1.0625 ppm	1.4051 ppm	0.1188 ppm	0.5255 ppm
Concentration RSD	0.1 %	0.3 %	0.3 %	1.2 %	0.3 %	0.9 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	7.0661 ppm	98.7316 %	99.6830 %	96.5634 %	97.9118 %	99.4094 %	98.3985 %
Concentration per Run	7.0817 ppm	98.5934 %	100.5544 %	96.5817 %	97.7169 %	99.8764 %	98.3842 %
Concentration per Run	7.0300 ppm	99.0798 %	98.9287 %	95.9039 %	98.0724 %	98.8576 %	97.7640 %
Concentration per Run	7.0868 ppm	98.5216 %	99.5660 %	97.2047 %	97.9462 %	99.4943 %	99.0473 %
Concentration RSD	0.4 %	0.3 %	0.8 %	0.7 %	0.2 %	0.5 %	0.7 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2147040-7D10 WG2147040
Analysis started at: 11/28/2025 9:50:55 AM
Comment <Comment>
Rack Number 1
Vial Numbers 45

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	2.3544 ppm	0.0049 ppm	0.0013 ppm	0.1177 ppm	0.0002 ppm	1.0084 ppm
Concentration per Run	0.0002 ppm	2.3709 ppm	0.0038 ppm	0.0006 ppm	0.1183 ppm	0.0002 ppm	1.0138 ppm
Concentration per Run	0.0004 ppm	2.3269 ppm	0.0052 ppm	0.0006 ppm	0.1168 ppm	0.0002 ppm	1.0025 ppm
Concentration per Run	-0.0005 ppm	2.3655 ppm	0.0057 ppm	0.0027 ppm	0.1179 ppm	0.0002 ppm	1.0089 ppm
Concentration RSD	1,878.8 %	1.0 %	19.7 %	92.3 %	0.7 %	13.1 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0088 ppm	0.0007 ppm	0.0060 ppm	0.0113 ppm	3.9705 ppm	0.1307 ppm	0.0049 ppm
Concentration per Run	0.0087 ppm	0.0005 ppm	0.0058 ppm	0.0111 ppm	3.9851 ppm	0.1337 ppm	0.0058 ppm
Concentration per Run	0.0088 ppm	0.0007 ppm	0.0061 ppm	0.0114 ppm	3.9436 ppm	0.1209 ppm	0.0035 ppm
Concentration per Run	0.0090 ppm	0.0009 ppm	0.0063 ppm	0.0116 ppm	3.9827 ppm	0.1376 ppm	0.0053 ppm
Concentration RSD	1.8 %	31.6 %	4.2 %	1.9 %	0.6 %	6.7 %	25.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.2013 ppm	0.0662 ppm	0.0003 ppm	0.0329 ppm	0.0046 ppm	0.1297 ppm	0.0038 ppm
Concentration per Run	0.2006 ppm	0.0668 ppm	-0.0002 ppm	0.0324 ppm	0.0042 ppm	0.1295 ppm	0.0069 ppm
Concentration per Run	0.2003 ppm	0.0653 ppm	0.0005 ppm	0.0340 ppm	0.0052 ppm	0.1304 ppm	0.0040 ppm
Concentration per Run	0.2030 ppm	0.0666 ppm	0.0008 ppm	0.0322 ppm	0.0045 ppm	0.1291 ppm	0.0005 ppm
Concentration RSD	0.7 %	1.2 %	159.0 %	3.0 %	10.7 %	0.5 %	84.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0045 ppm	0.6407 ppm	0.0033 ppm	0.0158 ppm	0.0917 ppm	0.0002 ppm	0.0094 ppm
Concentration per Run	0.0022 ppm	0.6393 ppm	0.0039 ppm	0.0159 ppm	0.0916 ppm	0.0001 ppm	0.0092 ppm
Concentration per Run	0.0062 ppm	0.6485 ppm	0.0037 ppm	0.0156 ppm	0.0920 ppm	-0.0005 ppm	0.0094 ppm
Concentration per Run	0.0050 ppm	0.6344 ppm	0.0022 ppm	0.0158 ppm	0.0915 ppm	0.0010 ppm	0.0096 ppm
Concentration RSD	46.7 %	1.1 %	28.9 %	1.0 %	0.3 %	376.1 %	1.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.4173 ppm	99.7340 %	99.3826 %	100.9629 %	98.9218 %	98.5186 %	100.0631 %
Concentration per Run	1.4163 ppm	99.3818 %	99.2702 %	101.2610 %	98.3193 %	99.4501 %	100.4566 %
Concentration per Run	1.4165 ppm	100.1525 %	99.9816 %	100.7171 %	99.1675 %	97.8258 %	99.6486 %
Concentration per Run	1.4192 ppm	99.6677 %	98.8959 %	100.9106 %	99.2786 %	98.2798 %	100.0842 %
Concentration RSD	0.1 %	0.4 %	0.6 %	0.3 %	0.5 %	0.9 %	0.4 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: CCV
Analysis started at: 11/28/2025 9:53:04 AM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4997 ppm	0.4794 ppm	0.4753 ppm	0.4848 ppm	0.4958 ppm	0.5006 ppm	0.4876 ppm
Concentration per Run	0.4985 ppm	0.4643 ppm	0.4759 ppm	0.4849 ppm	0.4949 ppm	0.5003 ppm	0.4821 ppm
Concentration per Run	0.5014 ppm	0.4884 ppm	0.4732 ppm	0.4863 ppm	0.4962 ppm	0.5017 ppm	0.4917 ppm
Concentration per Run	0.4992 ppm	0.4856 ppm	0.4768 ppm	0.4831 ppm	0.4961 ppm	0.4998 ppm	0.4891 ppm
Recovery Percentage	99.942 %	95.886 %	95.059 %	96.950 %	99.153 %	100.128 %	97.529 %
Concentration RSD	0.3 %	2.8 %	0.4 %	0.3 %	0.1 %	0.2 %	1.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5091 ppm	0.5070 ppm	0.5074 ppm	0.5147 ppm	0.4905 ppm	5.0962 ppm	0.5120 ppm
Concentration per Run	0.5089 ppm	0.5061 ppm	0.5062 ppm	0.5146 ppm	0.4917 ppm	5.0937 ppm	0.5146 ppm
Concentration per Run	0.5089 ppm	0.5083 ppm	0.5075 ppm	0.5156 ppm	0.4892 ppm	5.1184 ppm	0.5083 ppm
Concentration per Run	0.5095 ppm	0.5066 ppm	0.5084 ppm	0.5138 ppm	0.4906 ppm	5.0766 ppm	0.5131 ppm
Recovery Percentage	101.820 %	101.398 %	101.474 %	102.938 %	98.098 %	101.924 %	102.396 %
Concentration RSD	0.1 %	0.2 %	0.2 %	0.2 %	0.3 %	0.4 %	0.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4999 ppm	0.5031 ppm	0.4846 ppm	10.0690 ppm	0.5087 ppm	0.4891 ppm	0.5033 ppm
Concentration per Run	0.5004 ppm	0.5023 ppm	0.4826 ppm	10.0013 ppm	0.5090 ppm	0.4884 ppm	0.5041 ppm
Concentration per Run	0.4994 ppm	0.5038 ppm	0.4864 ppm	10.1479 ppm	0.5100 ppm	0.4899 ppm	0.5002 ppm
Concentration per Run	0.4999 ppm	0.5032 ppm	0.4847 ppm	10.0577 ppm	0.5073 ppm	0.4890 ppm	0.5057 ppm
Recovery Percentage	99.984 %	100.625 %	96.914 %	100.690 %	101.747 %	97.819 %	100.668 %
Concentration RSD	0.1 %	0.1 %	0.4 %	0.7 %	0.3 %	0.2 %	0.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4723 ppm	5.3154 ppm	0.4878 ppm	0.4896 ppm	0.4935 ppm	0.4957 ppm	0.5057 ppm
Concentration per Run	0.4710 ppm	5.2863 ppm	0.4881 ppm	0.4890 ppm	0.4937 ppm	0.4952 ppm	0.5050 ppm
Concentration per Run	0.4724 ppm	5.3355 ppm	0.4881 ppm	0.4907 ppm	0.4936 ppm	0.4959 ppm	0.5070 ppm
Concentration per Run	0.4734 ppm	5.3243 ppm	0.4873 ppm	0.4891 ppm	0.4932 ppm	0.4960 ppm	0.5051 ppm
Recovery Percentage	94.452 %	101.245 %	97.562 %	97.924 %	98.698 %	99.137 %	101.141 %
Concentration RSD	0.2 %	0.5 %	0.1 %	0.2 %	0.0 %	0.1 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5042 ppm	100.4382 %	99.4209 %	99.9506 %	98.3772 %	97.9972 %	98.4790 %
Concentration per Run	0.5042 ppm	100.6374 %	98.9038 %	100.4175 %	98.5348 %	96.7418 %	98.9712 %
Concentration per Run	0.5035 ppm	100.2376 %	99.9080 %	99.7904 %	98.1766 %	99.1403 %	98.4338 %
Concentration per Run	0.5048 ppm	100.4396 %	99.4510 %	99.6439 %	98.4204 %	98.1096 %	98.0321 %
Recovery Percentage	100.835 %						
Concentration RSD	0.1 %	0.2 %	0.5 %	0.4 %	0.2 %	1.2 %	0.5 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: CCB
Analysis started at: 11/28/2025 9:55:14 AM
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Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	0.0094 ppm	-0.0002 ppm	0.0016 ppm	0.0002 ppm	0.0000 ppm	-0.0048 ppm
Concentration per Run	0.0001 ppm	0.0101 ppm	-0.0007 ppm	0.0023 ppm	0.0002 ppm	0.0001 ppm	-0.0045 ppm
Concentration per Run	0.0004 ppm	0.0195 ppm	0.0007 ppm	0.0000 ppm	0.0002 ppm	0.0000 ppm	-0.0046 ppm
Concentration per Run	0.0003 ppm	-0.0015 ppm	-0.0005 ppm	0.0026 ppm	0.0001 ppm	0.0000 ppm	-0.0054 ppm
Recovery Percentage	3.471 %	9.380 %	-3.674 %	5.347 %	1.557 %	1.126 %	-4.813 %
Concentration RSD	56.0 %	112.5 %	417.7 %	89.0 %	48.0 %	91.5 %	10.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	-0.0013 ppm	-0.0340 ppm	0.0027 ppm
Concentration per Run	0.0002 ppm	0.0001 ppm	-0.0002 ppm	-0.0002 ppm	-0.0004 ppm	-0.0315 ppm	0.0024 ppm
Concentration per Run	0.0000 ppm	-0.0004 ppm	-0.0004 ppm	-0.0002 ppm	-0.0019 ppm	-0.0268 ppm	0.0030 ppm
Concentration per Run	-0.0001 ppm	0.0002 ppm	0.0003 ppm	0.0002 ppm	-0.0017 ppm	-0.0437 ppm	0.0027 ppm
Recovery Percentage	0.724 %	-0.093 %	-0.884 %	-0.810 %	-2.670 %	-1.360 %	53.593 %
Concentration RSD	376.8 %	1,810.7 %	455.4 %	252.6 %	58.2 %	25.7 %	12.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0007 ppm	0.0000 ppm	0.0002 ppm	-0.0094 ppm	-0.0007 ppm	-0.0016 ppm	0.0013 ppm
Concentration per Run	0.0022 ppm	0.0000 ppm	0.0001 ppm	-0.0108 ppm	-0.0013 ppm	-0.0024 ppm	0.0014 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	0.0005 ppm	-0.0098 ppm	-0.0005 ppm	-0.0014 ppm	0.0027 ppm
Concentration per Run	-0.0002 ppm	0.0001 ppm	0.0001 ppm	-0.0075 ppm	-0.0002 ppm	-0.0009 ppm	-0.0002 ppm
Recovery Percentage	0.680 %	0.123 %	0.441 %	-0.469 %	-2.688 %	-15.523 %	2.566 %
Concentration RSD	196.5 %	591.4 %	123.3 %	17.7 %	81.6 %	48.1 %	113.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0001 ppm	0.0012 ppm	0.0004 ppm	0.0001 ppm	0.0001 ppm	0.0016 ppm	-0.0001 ppm
Concentration per Run	0.0035 ppm	0.0007 ppm	-0.0005 ppm	0.0001 ppm	-0.0002 ppm	0.0010 ppm	0.0000 ppm
Concentration per Run	-0.0024 ppm	0.0021 ppm	0.0009 ppm	0.0002 ppm	0.0004 ppm	0.0017 ppm	-0.0002 ppm
Concentration per Run	-0.0007 ppm	0.0006 ppm	0.0008 ppm	0.0001 ppm	0.0001 ppm	0.0021 ppm	-0.0001 ppm
Recovery Percentage	1.386 %	0.234 %	0.785 %	1.106 %	0.955 %	8.013 %	-0.831 %
Concentration RSD	2,155.4 %	71.3 %	205.2 %	63.1 %	279.1 %	34.7 %	139.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	97.7816 %	96.6399 %	97.9769 %	98.0771 %	96.9136 %	97.6178 %
Concentration per Run	0.0002 ppm	98.2511 %	96.2879 %	98.0139 %	98.5849 %	97.0286 %	97.8118 %
Concentration per Run	0.0003 ppm	98.2804 %	96.7751 %	98.2046 %	98.4984 %	96.8703 %	97.8181 %
Concentration per Run	0.0001 ppm	96.8135 %	96.8566 %	97.7123 %	97.1480 %	96.8418 %	97.2235 %
Recovery Percentage	3.542 %						
Concentration RSD	38.0 %	0.9 %	0.3 %	0.3 %	0.8 %	0.1 %	0.3 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2571841-01 WG2143049
Analysis started at: 11/28/2025 11:14:51 AM
Comment <Comment>
Rack Number 1
Vial Numbers 49

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	5.3569 ppm	0.0178 ppm	0.0654 ppm	0.0455 ppm	0.0002 ppm	66.4212 ppm
Concentration per Run	0.0002 ppm	5.4179 ppm	0.0173 ppm	0.0640 ppm	0.0460 ppm	0.0002 ppm	67.0928 ppm
Concentration per Run	0.0005 ppm	5.3478 ppm	0.0189 ppm	0.0666 ppm	0.0455 ppm	0.0002 ppm	66.3077 ppm
Concentration per Run	-0.0001 ppm	5.3049 ppm	0.0171 ppm	0.0657 ppm	0.0449 ppm	0.0002 ppm	65.8632 ppm
Concentration RSD	138.4 %	1.1 %	5.7 %	2.0 %	1.2 %	14.7 %	0.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0035 ppm	0.0111 ppm	0.0128 ppm	27.5617 ppm	28.0454 ppm	0.0076 ppm
Concentration per Run	0.0002 ppm	0.0041 ppm	0.0113 ppm	0.0127 ppm	27.9050 ppm	28.2515 ppm	0.0080 ppm
Concentration per Run	0.0003 ppm	0.0031 ppm	0.0114 ppm	0.0128 ppm	27.5514 ppm	28.1388 ppm	0.0109 ppm
Concentration per Run	0.0002 ppm	0.0033 ppm	0.0106 ppm	0.0129 ppm	27.2286 ppm	27.7459 ppm	0.0039 ppm
Concentration RSD	17.1 %	14.3 %	3.8 %	1.0 %	1.2 %	0.9 %	46.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	8.1038 ppm	0.7092 ppm	0.0000 ppm	27.0331 ppm	0.0059 ppm	0.0217 ppm	0.0040 ppm
Concentration per Run	8.0964 ppm	0.7166 ppm	-0.0004 ppm	27.4354 ppm	0.0067 ppm	0.0215 ppm	0.0048 ppm
Concentration per Run	8.0857 ppm	0.7089 ppm	0.0000 ppm	27.0066 ppm	0.0055 ppm	0.0219 ppm	0.0035 ppm
Concentration per Run	8.1293 ppm	0.7021 ppm	0.0005 ppm	26.6574 ppm	0.0056 ppm	0.0217 ppm	0.0036 ppm
Concentration RSD	0.3 %	1.0 %	1,461.6 %	1.4 %	10.7 %	0.8 %	17.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0023 ppm	16.6123 ppm	0.0001 ppm	0.1897 ppm	0.1870 ppm	0.0012 ppm	0.0131 ppm
Concentration per Run	-0.0001 ppm	16.6282 ppm	-0.0001 ppm	0.1922 ppm	0.1872 ppm	0.0016 ppm	0.0130 ppm
Concentration per Run	0.0048 ppm	16.5595 ppm	-0.0012 ppm	0.1897 ppm	0.1868 ppm	0.0010 ppm	0.0130 ppm
Concentration per Run	0.0021 ppm	16.6491 ppm	0.0017 ppm	0.1873 ppm	0.1870 ppm	0.0011 ppm	0.0133 ppm
Concentration RSD	107.6 %	0.3 %	968.0 %	1.3 %	0.1 %	26.3 %	1.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0391 ppm	99.3137 %	101.7961 %	96.0315 %	98.2458 %	99.8198 %	98.1642 %
Concentration per Run	0.0390 ppm	99.4716 %	101.2102 %	96.0213 %	98.5330 %	100.6828 %	98.1549 %
Concentration per Run	0.0390 ppm	99.6134 %	101.3298 %	96.3367 %	98.6444 %	99.3607 %	98.5045 %
Concentration per Run	0.0392 ppm	98.8561 %	102.8482 %	95.7364 %	97.5602 %	99.4159 %	97.8331 %
Concentration RSD	0.3 %	0.4 %	0.9 %	0.3 %	0.6 %	0.7 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2571841-02 WG2143049
Analysis started at: 11/28/2025 11:17:12 AM
Comment <Comment>
Rack Number 1
Vial Numbers 50

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0008 ppm	0.0126 ppm	0.1015 ppm	0.1145 ppm	0.0404 ppm	0.0000 ppm	40.7895 ppm
Concentration per Run	0.0010 ppm	0.0182 ppm	0.1032 ppm	0.1151 ppm	0.0402 ppm	0.0000 ppm	40.5153 ppm
Concentration per Run	0.0010 ppm	0.0080 ppm	0.1000 ppm	0.1142 ppm	0.0408 ppm	0.0000 ppm	41.1070 ppm
Concentration per Run	0.0005 ppm	0.0117 ppm	0.1012 ppm	0.1144 ppm	0.0401 ppm	0.0000 ppm	40.7462 ppm
Concentration RSD	37.0 %	41.1 %	1.6 %	0.4 %	0.9 %	254.5 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0003 ppm	0.0035 ppm	0.0014 ppm	0.0025 ppm	71.2973 ppm	22.2289 ppm	0.0014 ppm
Concentration per Run	0.0001 ppm	0.0036 ppm	0.0014 ppm	0.0024 ppm	70.5793 ppm	22.0491 ppm	0.0024 ppm
Concentration per Run	0.0003 ppm	0.0036 ppm	0.0013 ppm	0.0022 ppm	72.0509 ppm	22.4554 ppm	0.0030 ppm
Concentration per Run	0.0003 ppm	0.0034 ppm	0.0015 ppm	0.0028 ppm	71.2616 ppm	22.1822 ppm	-0.0011 ppm
Concentration RSD	50.4 %	3.3 %	9.6 %	13.4 %	1.0 %	0.9 %	155.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	21.6910 ppm	4.1112 ppm	0.0028 ppm	28.5748 ppm	0.0020 ppm	-0.0014 ppm	0.0015 ppm
Concentration per Run	21.6173 ppm	4.0934 ppm	0.0030 ppm	28.3571 ppm	0.0023 ppm	-0.0009 ppm	0.0008 ppm
Concentration per Run	21.7070 ppm	4.1377 ppm	0.0023 ppm	28.8613 ppm	0.0019 ppm	-0.0012 ppm	0.0044 ppm
Concentration per Run	21.7488 ppm	4.1025 ppm	0.0029 ppm	28.5061 ppm	0.0017 ppm	-0.0023 ppm	-0.0008 ppm
Concentration RSD	0.3 %	0.6 %	13.2 %	0.9 %	13.7 %	49.4 %	180.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0024 ppm	6.1739 ppm	-0.0001 ppm	0.1438 ppm	0.0008 ppm	0.0015 ppm	-0.0004 ppm
Concentration per Run	0.0014 ppm	6.1694 ppm	0.0002 ppm	0.1423 ppm	0.0011 ppm	0.0018 ppm	-0.0003 ppm
Concentration per Run	0.0037 ppm	6.1912 ppm	0.0006 ppm	0.1457 ppm	0.0009 ppm	0.0015 ppm	-0.0006 ppm
Concentration per Run	0.0022 ppm	6.1611 ppm	-0.0012 ppm	0.1434 ppm	0.0006 ppm	0.0011 ppm	-0.0002 ppm
Concentration RSD	49.3 %	0.3 %	713.0 %	1.2 %	30.2 %	24.9 %	53.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0030 ppm	100.2807 %	103.9148 %	96.4702 %	99.1305 %	100.7292 %	98.4555 %
Concentration per Run	0.0029 ppm	100.8603 %	104.4435 %	96.4340 %	99.4944 %	100.8460 %	98.5959 %
Concentration per Run	0.0031 ppm	99.9037 %	103.3005 %	96.7006 %	98.4197 %	100.6583 %	98.5563 %
Concentration per Run	0.0029 ppm	100.0780 %	104.0006 %	96.2758 %	99.4773 %	100.6833 %	98.2143 %
Concentration RSD	4.4 %	0.5 %	0.6 %	0.2 %	0.6 %	0.1 %	0.2 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2571841-03 WG2143049
Analysis started at: 11/28/2025 11:19:21 AM
Comment <Comment>
Rack Number 1
Vial Numbers 51

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.1753 ppm	-0.0011 ppm	0.0161 ppm	0.0279 ppm	0.0001 ppm	0.7910 ppm
Concentration per Run	0.0001 ppm	0.1804 ppm	-0.0003 ppm	0.0166 ppm	0.0279 ppm	0.0001 ppm	0.7937 ppm
Concentration per Run	0.0002 ppm	0.1759 ppm	-0.0012 ppm	0.0158 ppm	0.0279 ppm	0.0000 ppm	0.7939 ppm
Concentration per Run	-0.0005 ppm	0.1695 ppm	-0.0018 ppm	0.0160 ppm	0.0279 ppm	0.0001 ppm	0.7852 ppm
Concentration RSD	1,303.9 %	3.1 %	66.7 %	2.7 %	0.1 %	66.9 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0019 ppm	0.0001 ppm	0.0007 ppm	0.1678 ppm	1.8617 ppm	0.0013 ppm
Concentration per Run	0.0002 ppm	0.0020 ppm	0.0003 ppm	0.0007 ppm	0.1686 ppm	1.8805 ppm	0.0003 ppm
Concentration per Run	0.0003 ppm	0.0018 ppm	-0.0003 ppm	0.0005 ppm	0.1670 ppm	1.8469 ppm	0.0011 ppm
Concentration per Run	0.0002 ppm	0.0018 ppm	0.0003 ppm	0.0008 ppm	0.1678 ppm	1.8578 ppm	0.0026 ppm
Concentration RSD	17.9 %	5.0 %	557.9 %	25.7 %	0.5 %	0.9 %	87.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	1.4450 ppm	0.6541 ppm	-0.0007 ppm	11.9046 ppm	0.0140 ppm	-0.0012 ppm	0.0040 ppm
Concentration per Run	1.4504 ppm	0.6543 ppm	-0.0009 ppm	11.8927 ppm	0.0137 ppm	-0.0008 ppm	0.0037 ppm
Concentration per Run	1.4431 ppm	0.6553 ppm	-0.0004 ppm	11.9098 ppm	0.0144 ppm	-0.0021 ppm	0.0003 ppm
Concentration per Run	1.4414 ppm	0.6529 ppm	-0.0009 ppm	11.9111 ppm	0.0139 ppm	-0.0006 ppm	0.0080 ppm
Concentration RSD	0.3 %	0.2 %	40.1 %	0.1 %	2.5 %	73.1 %	96.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0015 ppm	3.4482 ppm	0.0001 ppm	0.0118 ppm	0.0018 ppm	0.0014 ppm	0.0003 ppm
Concentration per Run	0.0016 ppm	3.4432 ppm	-0.0003 ppm	0.0118 ppm	0.0015 ppm	0.0019 ppm	0.0002 ppm
Concentration per Run	0.0022 ppm	3.4529 ppm	-0.0006 ppm	0.0118 ppm	0.0020 ppm	0.0003 ppm	0.0004 ppm
Concentration per Run	0.0007 ppm	3.4485 ppm	0.0010 ppm	0.0118 ppm	0.0020 ppm	0.0019 ppm	0.0003 ppm
Concentration RSD	53.3 %	0.1 %	1,344.3 %	0.1 %	16.2 %	65.1 %	36.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0139 ppm	101.7605 %	101.2319 %	101.5280 %	101.2110 %	99.7035 %	100.2747 %
Concentration per Run	0.0140 ppm	102.0330 %	101.2105 %	101.1978 %	101.5937 %	100.0571 %	99.8696 %
Concentration per Run	0.0139 ppm	101.7338 %	101.1881 %	101.7563 %	101.2723 %	99.6948 %	100.4059 %
Concentration per Run	0.0139 ppm	101.5146 %	101.2972 %	101.6301 %	100.7670 %	99.3586 %	100.5487 %
Concentration RSD	0.6 %	0.3 %	0.1 %	0.3 %	0.4 %	0.4 %	0.4 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2571841-04 WG2143049
Analysis started at: 11/28/2025 11:21:30 AM
Comment <Comment>
Rack Number 1
Vial Numbers 52

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0006 ppm	0.0184 ppm	-0.0011 ppm	0.0152 ppm	0.0039 ppm	0.0001 ppm	5.0347 ppm
Concentration per Run	-0.0007 ppm	0.0184 ppm	-0.0001 ppm	0.0152 ppm	0.0039 ppm	0.0000 ppm	5.0183 ppm
Concentration per Run	-0.0007 ppm	0.0217 ppm	-0.0019 ppm	0.0160 ppm	0.0039 ppm	0.0001 ppm	5.0500 ppm
Concentration per Run	-0.0002 ppm	0.0151 ppm	-0.0013 ppm	0.0144 ppm	0.0039 ppm	0.0000 ppm	5.0356 ppm
Concentration RSD	49.9 %	17.8 %	82.8 %	5.1 %	0.6 %	48.8 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0080 ppm	0.0001 ppm	0.0009 ppm	0.0137 ppm	1.6576 ppm	0.0027 ppm
Concentration per Run	0.0002 ppm	0.0082 ppm	-0.0002 ppm	0.0009 ppm	0.0139 ppm	1.6477 ppm	0.0011 ppm
Concentration per Run	0.0001 ppm	0.0083 ppm	0.0005 ppm	0.0007 ppm	0.0130 ppm	1.6657 ppm	0.0041 ppm
Concentration per Run	0.0004 ppm	0.0077 ppm	0.0000 ppm	0.0012 ppm	0.0143 ppm	1.6594 ppm	0.0029 ppm
Concentration RSD	71.5 %	3.4 %	267.4 %	27.3 %	4.8 %	0.6 %	55.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	6.1704 ppm	1.0344 ppm	-0.0006 ppm	10.6547 ppm	0.0027 ppm	-0.0009 ppm	0.0009 ppm
Concentration per Run	6.1742 ppm	1.0308 ppm	-0.0005 ppm	10.5953 ppm	0.0023 ppm	-0.0012 ppm	-0.0013 ppm
Concentration per Run	6.2085 ppm	1.0363 ppm	-0.0008 ppm	10.6933 ppm	0.0023 ppm	-0.0002 ppm	0.0017 ppm
Concentration per Run	6.1286 ppm	1.0362 ppm	-0.0005 ppm	10.6756 ppm	0.0037 ppm	-0.0013 ppm	0.0022 ppm
Concentration RSD	0.6 %	0.3 %	33.7 %	0.5 %	29.6 %	67.8 %	219.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0026 ppm	7.9217 ppm	-0.0007 ppm	0.0626 ppm	0.0000 ppm	0.0013 ppm	0.0001 ppm
Concentration per Run	0.0048 ppm	7.9336 ppm	0.0005 ppm	0.0620 ppm	-0.0001 ppm	0.0015 ppm	0.0002 ppm
Concentration per Run	0.0028 ppm	7.9344 ppm	-0.0009 ppm	0.0627 ppm	0.0001 ppm	0.0013 ppm	-0.0001 ppm
Concentration per Run	0.0001 ppm	7.8971 ppm	-0.0018 ppm	0.0630 ppm	0.0001 ppm	0.0012 ppm	0.0002 ppm
Concentration RSD	93.4 %	0.3 %	163.7 %	0.8 %	344.5 %	9.1 %	208.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0086 ppm	100.5123 %	100.5221 %	99.2467 %	99.5194 %	98.7613 %	98.3725 %
Concentration per Run	0.0083 ppm	100.5513 %	100.9006 %	98.5696 %	99.8820 %	99.1934 %	97.9245 %
Concentration per Run	0.0087 ppm	100.3102 %	100.0469 %	99.4602 %	99.5569 %	98.1182 %	98.6905 %
Concentration per Run	0.0087 ppm	100.6755 %	100.6188 %	99.7104 %	99.1194 %	98.9725 %	98.5026 %
Concentration RSD	2.6 %	0.2 %	0.4 %	0.6 %	0.4 %	0.6 %	0.4 %

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LabBook: WG2147204_11282025T11.imexp

Sample: L2571841-05 WG2143049
Analysis started at: 11/28/2025 11:23:40 AM
Comment <Comment>
Rack Number 1
Vial Numbers 53

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0005 ppm	0.1124 ppm	0.0015 ppm	0.0772 ppm	0.0364 ppm	0.0001 ppm	21.4351 ppm
Concentration per Run	0.0008 ppm	0.1056 ppm	0.0028 ppm	0.0777 ppm	0.0364 ppm	0.0000 ppm	21.3779 ppm
Concentration per Run	0.0004 ppm	0.1193 ppm	0.0010 ppm	0.0757 ppm	0.0364 ppm	0.0001 ppm	21.4663 ppm
Concentration per Run	0.0005 ppm	0.1124 ppm	0.0007 ppm	0.0781 ppm	0.0363 ppm	0.0001 ppm	21.4609 ppm
Concentration RSD	38.2 %	6.1 %	77.2 %	1.7 %	0.2 %	55.0 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0147 ppm	0.0005 ppm	0.0015 ppm	8.0858 ppm	23.7810 ppm	0.0023 ppm
Concentration per Run	0.0002 ppm	0.0143 ppm	0.0005 ppm	0.0017 ppm	8.1130 ppm	23.7686 ppm	0.0019 ppm
Concentration per Run	0.0003 ppm	0.0150 ppm	0.0007 ppm	0.0015 ppm	8.1195 ppm	23.9142 ppm	0.0033 ppm
Concentration per Run	0.0002 ppm	0.0147 ppm	0.0004 ppm	0.0012 ppm	8.0248 ppm	23.6603 ppm	0.0017 ppm
Concentration RSD	22.8 %	2.3 %	31.4 %	17.1 %	0.7 %	0.5 %	37.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	15.6212 ppm	9.9448 ppm	-0.0014 ppm	35.8170 ppm	0.0034 ppm	-0.0012 ppm	0.0027 ppm
Concentration per Run	15.6262 ppm	9.9477 ppm	-0.0018 ppm	35.5301 ppm	0.0030 ppm	-0.0012 ppm	-0.0013 ppm
Concentration per Run	15.6655 ppm	9.9844 ppm	-0.0015 ppm	36.1473 ppm	0.0031 ppm	-0.0009 ppm	0.0053 ppm
Concentration per Run	15.5718 ppm	9.9022 ppm	-0.0010 ppm	35.7736 ppm	0.0041 ppm	-0.0016 ppm	0.0041 ppm
Concentration RSD	0.3 %	0.4 %	26.2 %	0.9 %	17.9 %	27.3 %	128.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0014 ppm	4.4131 ppm	-0.0006 ppm	0.1176 ppm	0.0047 ppm	0.0012 ppm	-0.0005 ppm
Concentration per Run	0.0007 ppm	4.3906 ppm	0.0000 ppm	0.1175 ppm	0.0046 ppm	0.0002 ppm	-0.0007 ppm
Concentration per Run	0.0006 ppm	4.4311 ppm	-0.0007 ppm	0.1180 ppm	0.0049 ppm	0.0025 ppm	-0.0004 ppm
Concentration per Run	0.0029 ppm	4.4177 ppm	-0.0009 ppm	0.1173 ppm	0.0046 ppm	0.0008 ppm	-0.0004 ppm
Concentration RSD	94.0 %	0.5 %	86.0 %	0.3 %	3.3 %	101.2 %	32.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0027 ppm	100.6337 %	102.1986 %	98.4613 %	99.3052 %	100.2619 %	99.2574 %
Concentration per Run	0.0029 ppm	101.0774 %	101.3129 %	98.6376 %	99.9446 %	99.2651 %	99.5125 %
Concentration per Run	0.0025 ppm	100.3044 %	101.5865 %	98.2883 %	98.7228 %	100.1880 %	99.1840 %
Concentration per Run	0.0028 ppm	100.5194 %	103.6965 %	98.4581 %	99.2481 %	101.3327 %	99.0755 %
Concentration RSD	7.0 %	0.4 %	1.3 %	0.2 %	0.6 %	1.0 %	0.2 %

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LabBook: WG2147204_11282025T11.imexp

Sample: L2571841-06 WG2143049
Analysis started at: 11/28/2025 11:25:49 AM
Comment <Comment>
Rack Number 1
Vial Numbers 54

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.1047 ppm	-0.0004 ppm	0.0116 ppm	0.0266 ppm	0.0001 ppm	3.0453 ppm
Concentration per Run	-0.0002 ppm	0.1025 ppm	-0.0024 ppm	0.0116 ppm	0.0267 ppm	0.0001 ppm	3.0553 ppm
Concentration per Run	-0.0001 ppm	0.0993 ppm	0.0017 ppm	0.0121 ppm	0.0267 ppm	0.0001 ppm	3.0480 ppm
Concentration per Run	-0.0001 ppm	0.1123 ppm	-0.0007 ppm	0.0111 ppm	0.0265 ppm	0.0001 ppm	3.0327 ppm
Concentration RSD	26.3 %	6.5 %	457.1 %	4.4 %	0.4 %	19.9 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0002 ppm	0.0004 ppm	0.0000 ppm	0.0772 ppm	1.5449 ppm	0.0030 ppm
Concentration per Run	0.0001 ppm	0.0002 ppm	0.0002 ppm	0.0003 ppm	0.0772 ppm	1.5558 ppm	0.0043 ppm
Concentration per Run	0.0002 ppm	0.0004 ppm	-0.0001 ppm	0.0002 ppm	0.0784 ppm	1.5374 ppm	0.0018 ppm
Concentration per Run	0.0002 ppm	-0.0001 ppm	0.0012 ppm	-0.0006 ppm	0.0759 ppm	1.5416 ppm	0.0028 ppm
Concentration RSD	15.1 %	137.4 %	171.2 %	2,264.7 %	1.6 %	0.6 %	41.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	2.4443 ppm	0.0692 ppm	-0.0003 ppm	7.3045 ppm	0.0002 ppm	-0.0010 ppm	0.0005 ppm
Concentration per Run	2.4523 ppm	0.0695 ppm	-0.0004 ppm	7.3115 ppm	0.0002 ppm	-0.0022 ppm	0.0032 ppm
Concentration per Run	2.4370 ppm	0.0692 ppm	0.0001 ppm	7.3204 ppm	-0.0002 ppm	-0.0002 ppm	-0.0023 ppm
Concentration per Run	2.4437 ppm	0.0688 ppm	-0.0005 ppm	7.2817 ppm	0.0007 ppm	-0.0006 ppm	0.0005 ppm
Concentration RSD	0.3 %	0.5 %	109.2 %	0.3 %	172.0 %	106.7 %	577.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0022 ppm	5.5980 ppm	-0.0010 ppm	0.0360 ppm	0.0002 ppm	0.0011 ppm	0.0000 ppm
Concentration per Run	0.0022 ppm	5.6078 ppm	-0.0007 ppm	0.0359 ppm	-0.0002 ppm	0.0018 ppm	0.0001 ppm
Concentration per Run	0.0013 ppm	5.6024 ppm	-0.0013 ppm	0.0361 ppm	0.0007 ppm	0.0013 ppm	0.0000 ppm
Concentration per Run	0.0031 ppm	5.5838 ppm	-0.0010 ppm	0.0360 ppm	0.0002 ppm	0.0002 ppm	-0.0001 ppm
Concentration RSD	40.5 %	0.2 %	31.9 %	0.2 %	206.5 %	73.9 %	820.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0013 ppm	102.5844 %	102.6871 %	103.4418 %	101.2067 %	101.0568 %	102.0933 %
Concentration per Run	0.0013 ppm	102.9050 %	103.4873 %	103.4032 %	102.0254 %	101.8745 %	102.4515 %
Concentration per Run	0.0012 ppm	102.7347 %	102.4495 %	103.3369 %	101.4883 %	100.8804 %	101.7941 %
Concentration per Run	0.0013 ppm	102.1135 %	102.1247 %	103.5853 %	100.1064 %	100.4156 %	102.0345 %
Concentration RSD	4.5 %	0.4 %	0.7 %	0.1 %	1.0 %	0.7 %	0.3 %

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LabBook: WG2147204_11282025T11.imexp

Sample: L2571998-09 WG2143049
Analysis started at: 11/28/2025 11:27:59 AM
Comment <Comment>
Rack Number 1
Vial Numbers 55

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	0.3288 ppm	0.0016 ppm	0.2148 ppm	0.0318 ppm	0.0001 ppm	31.3257 ppm
Concentration per Run	0.0001 ppm	0.3225 ppm	0.0008 ppm	0.2161 ppm	0.0318 ppm	0.0001 ppm	31.2406 ppm
Concentration per Run	-0.0003 ppm	0.3238 ppm	0.0024 ppm	0.2141 ppm	0.0317 ppm	0.0001 ppm	31.3630 ppm
Concentration per Run	-0.0003 ppm	0.3402 ppm	0.0017 ppm	0.2143 ppm	0.0319 ppm	0.0000 ppm	31.3734 ppm
Concentration RSD	137.8 %	3.0 %	47.7 %	0.5 %	0.3 %	140.7 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0109 ppm	0.0021 ppm	0.0054 ppm	2.4819 ppm	5.6418 ppm	0.0026 ppm
Concentration per Run	0.0002 ppm	0.0105 ppm	0.0022 ppm	0.0053 ppm	2.4661 ppm	5.6198 ppm	0.0048 ppm
Concentration per Run	0.0001 ppm	0.0115 ppm	0.0026 ppm	0.0054 ppm	2.4879 ppm	5.6461 ppm	0.0010 ppm
Concentration per Run	0.0003 ppm	0.0106 ppm	0.0014 ppm	0.0054 ppm	2.4916 ppm	5.6596 ppm	0.0020 ppm
Concentration RSD	48.5 %	5.2 %	29.2 %	0.3 %	0.6 %	0.4 %	75.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	5.8581 ppm	3.4204 ppm	-0.0004 ppm	18.6616 ppm	0.0029 ppm	-0.0005 ppm	0.0039 ppm
Concentration per Run	5.8722 ppm	3.4078 ppm	-0.0005 ppm	18.4246 ppm	0.0027 ppm	-0.0011 ppm	0.0044 ppm
Concentration per Run	5.8407 ppm	3.4203 ppm	-0.0004 ppm	18.7827 ppm	0.0031 ppm	-0.0015 ppm	0.0062 ppm
Concentration per Run	5.8615 ppm	3.4332 ppm	-0.0002 ppm	18.7776 ppm	0.0030 ppm	0.0011 ppm	0.0011 ppm
Concentration RSD	0.3 %	0.4 %	35.1 %	1.1 %	7.0 %	287.2 %	67.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0021 ppm	3.3664 ppm	-0.0002 ppm	0.1478 ppm	0.0094 ppm	0.0015 ppm	0.0017 ppm
Concentration per Run	0.0026 ppm	3.3690 ppm	-0.0017 ppm	0.1467 ppm	0.0097 ppm	0.0010 ppm	0.0016 ppm
Concentration per Run	0.0008 ppm	3.3742 ppm	0.0008 ppm	0.1479 ppm	0.0087 ppm	0.0021 ppm	0.0017 ppm
Concentration per Run	0.0030 ppm	3.3560 ppm	0.0004 ppm	0.1490 ppm	0.0098 ppm	0.0013 ppm	0.0018 ppm
Concentration RSD	55.6 %	0.3 %	661.8 %	0.8 %	6.6 %	37.0 %	4.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0628 ppm	101.7110 %	102.8255 %	101.2109 %	100.4952 %	100.9734 %	100.7140 %
Concentration per Run	0.0623 ppm	100.9248 %	103.7001 %	101.3822 %	99.8835 %	101.3825 %	101.3800 %
Concentration per Run	0.0632 ppm	102.0389 %	102.1067 %	101.6677 %	100.6869 %	100.3378 %	100.8910 %
Concentration per Run	0.0628 ppm	102.1693 %	102.6698 %	100.5829 %	100.9152 %	101.2000 %	99.8710 %
Concentration RSD	0.7 %	0.7 %	0.8 %	0.6 %	0.5 %	0.6 %	0.8 %

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LabBook: WG2147204_11282025T11.imexp

Sample: L2571998-10 WG2143049
Analysis started at: 11/28/2025 11:30:09 AM
Comment <Comment>
Rack Number 1
Vial Numbers 56

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0003 ppm	0.6751 ppm	0.0130 ppm	0.5067 ppm	0.1243 ppm	0.0001 ppm	31.7290 ppm
Concentration per Run	0.0004 ppm	0.6684 ppm	0.0121 ppm	0.5039 ppm	0.1249 ppm	0.0001 ppm	31.7722 ppm
Concentration per Run	0.0007 ppm	0.6762 ppm	0.0136 ppm	0.5081 ppm	0.1236 ppm	0.0001 ppm	31.5548 ppm
Concentration per Run	-0.0001 ppm	0.6809 ppm	0.0133 ppm	0.5083 ppm	0.1244 ppm	0.0001 ppm	31.8600 ppm
Concentration RSD	129.0 %	0.9 %	6.3 %	0.5 %	0.5 %	26.2 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0005 ppm	0.0099 ppm	0.0007 ppm	0.0068 ppm	19.4247 ppm	14.2689 ppm	0.0023 ppm
Concentration per Run	0.0004 ppm	0.0101 ppm	0.0002 ppm	0.0073 ppm	19.5201 ppm	14.3382 ppm	0.0026 ppm
Concentration per Run	0.0005 ppm	0.0097 ppm	0.0009 ppm	0.0064 ppm	19.2902 ppm	14.1831 ppm	0.0026 ppm
Concentration per Run	0.0004 ppm	0.0098 ppm	0.0009 ppm	0.0068 ppm	19.4637 ppm	14.2855 ppm	0.0016 ppm
Concentration RSD	10.6 %	2.1 %	57.8 %	6.6 %	0.6 %	0.6 %	26.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	4.2938 ppm	0.7458 ppm	-0.0002 ppm	41.2942 ppm	0.0032 ppm	0.0143 ppm	-0.0001 ppm
Concentration per Run	4.3140 ppm	0.7479 ppm	0.0001 ppm	41.3267 ppm	0.0034 ppm	0.0148 ppm	-0.0008 ppm
Concentration per Run	4.2778 ppm	0.7417 ppm	-0.0008 ppm	41.2831 ppm	0.0034 ppm	0.0140 ppm	-0.0036 ppm
Concentration per Run	4.2896 ppm	0.7479 ppm	0.0001 ppm	41.2727 ppm	0.0028 ppm	0.0141 ppm	0.0042 ppm
Concentration RSD	0.4 %	0.5 %	251.1 %	0.1 %	11.4 %	3.1 %	6,285.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0026 ppm	6.2855 ppm	-0.0001 ppm	0.0811 ppm	0.0146 ppm	0.0011 ppm	0.0019 ppm
Concentration per Run	0.0044 ppm	6.2476 ppm	-0.0006 ppm	0.0816 ppm	0.0150 ppm	0.0012 ppm	0.0018 ppm
Concentration per Run	0.0021 ppm	6.3202 ppm	0.0009 ppm	0.0806 ppm	0.0145 ppm	0.0010 ppm	0.0019 ppm
Concentration per Run	0.0012 ppm	6.2887 ppm	-0.0007 ppm	0.0810 ppm	0.0145 ppm	0.0012 ppm	0.0020 ppm
Concentration RSD	64.8 %	0.6 %	666.0 %	0.7 %	1.9 %	7.1 %	6.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0376 ppm	99.7746 %	102.7718 %	98.5168 %	97.9933 %	100.3213 %	99.0861 %
Concentration per Run	0.0374 ppm	100.6363 %	102.3271 %	98.4823 %	98.6467 %	100.3744 %	98.8372 %
Concentration per Run	0.0380 ppm	99.2687 %	102.9401 %	98.8984 %	97.7018 %	100.0249 %	99.4292 %
Concentration per Run	0.0375 ppm	99.4187 %	103.0481 %	98.1698 %	97.6314 %	100.5646 %	98.9920 %
Concentration RSD	0.9 %	0.8 %	0.4 %	0.4 %	0.6 %	0.3 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574432-01D2 WG2145767
Analysis started at: 11/28/2025 11:39:15 AM
Comment <Comment>
Rack Number 1
Vial Numbers 57

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0006 ppm	70.9445 ppm	0.0178 ppm	0.1626 ppm	0.3163 ppm	0.0021 ppm	912.4427 ppm
Concentration per Run	0.0014 ppm	70.5486 ppm	0.0187 ppm	0.1627 ppm	0.3147 ppm	0.0021 ppm	907.5113 ppm
Concentration per Run	0.0001 ppm	71.2910 ppm	0.0180 ppm	0.1624 ppm	0.3172 ppm	0.0021 ppm	915.4745 ppm
Concentration per Run	0.0003 ppm	70.9939 ppm	0.0166 ppm	0.1626 ppm	0.3169 ppm	0.0021 ppm	914.3423 ppm
Concentration RSD	113.3 %	0.5 %	6.0 %	0.1 %	0.4 %	1.6 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0008 ppm	0.0142 ppm	0.1123 ppm	0.0762 ppm	53.7438 ppm	2.0685 ppm	0.0765 ppm
Concentration per Run	0.0009 ppm	0.0144 ppm	0.1118 ppm	0.0759 ppm	53.5216 ppm	2.0610 ppm	0.0626 ppm
Concentration per Run	0.0006 ppm	0.0143 ppm	0.1123 ppm	0.0764 ppm	53.9210 ppm	2.0868 ppm	0.0992 ppm
Concentration per Run	0.0008 ppm	0.0140 ppm	0.1128 ppm	0.0764 ppm	53.7890 ppm	2.0578 ppm	0.0675 ppm
Concentration RSD	18.2 %	1.2 %	0.5 %	0.4 %	0.4 %	0.8 %	26.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	50.0002 ppm	0.9788 ppm	0.0062 ppm	1.0543 ppm	0.0457 ppm	0.0380 ppm	0.0009 ppm
Concentration per Run	49.8849 ppm	0.9750 ppm	0.0065 ppm	1.0486 ppm	0.0470 ppm	0.0380 ppm	-0.0027 ppm
Concentration per Run	49.9776 ppm	0.9808 ppm	0.0058 ppm	1.0545 ppm	0.0446 ppm	0.0385 ppm	-0.0007 ppm
Concentration per Run	50.1380 ppm	0.9806 ppm	0.0063 ppm	1.0597 ppm	0.0454 ppm	0.0375 ppm	0.0061 ppm
Concentration RSD	0.3 %	0.3 %	6.5 %	0.5 %	2.7 %	1.3 %	514.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0044 ppm	39.0031 [SIC 100]	0.0116 ppm	3.3601 ppm	3.1994 ppm	0.0008 ppm	0.0874 ppm
Concentration per Run	0.0051 ppm	38.9118 ppm	0.0100 ppm	3.3442 ppm	3.1835 ppm	0.0015 ppm	0.0877 ppm
Concentration per Run	-0.0015 ppm	39.0329 ppm	0.0126 ppm	3.3727 ppm	3.2008 ppm	0.0005 ppm	0.0872 ppm
Concentration per Run	0.0095 ppm	39.0646 ppm	0.0121 ppm	3.3633 ppm	3.2138 ppm	0.0003 ppm	0.0872 ppm
Concentration RSD	127.2 %	0.2 %	11.7 %	0.4 %	0.5 %	82.1 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1367 ppm	89.3166 %	99.2131 %	81.4861 %	90.1245 %	101.6466 %	91.5243 %
Concentration per Run	0.1368 ppm	89.1387 %	99.5992 %	81.8076 %	89.9462 %	102.8324 %	91.5594 %
Concentration per Run	0.1370 ppm	89.7401 %	98.6067 %	81.4718 %	90.6423 %	100.6293 %	91.8148 %
Concentration per Run	0.1362 ppm	89.0712 %	99.4335 %	81.1790 %	89.7850 %	101.4782 %	91.1986 %
Concentration RSD	0.3 %	0.4 %	0.5 %	0.4 %	0.5 %	1.1 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574432-02D2 WG2145767
Analysis started at: 11/28/2025 11:41:31 AM
Comment <Comment>
Rack Number 1
Vial Numbers 58

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0014 ppm	89.2113 ppm	0.0498 ppm	0.1317 ppm	0.4594 ppm	0.0037 ppm	889.5273 ppm
Concentration per Run	0.0017 ppm	89.4281 ppm	0.0502 ppm	0.1294 ppm	0.4625 ppm	0.0037 ppm	894.9237 ppm
Concentration per Run	0.0010 ppm	88.3053 ppm	0.0503 ppm	0.1325 ppm	0.4518 ppm	0.0035 ppm	877.0729 ppm
Concentration per Run	0.0014 ppm	89.9005 ppm	0.0489 ppm	0.1331 ppm	0.4640 ppm	0.0037 ppm	896.5854 ppm
Concentration RSD	24.2 %	0.9 %	1.6 %	1.5 %	1.4 %	3.1 %	1.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0038 ppm	0.0343 ppm	0.3087 ppm	0.2082 ppm	111.6610 ppm	9.8470 ppm	0.0665 ppm
Concentration per Run	0.0038 ppm	0.0343 ppm	0.3050 ppm	0.2068 ppm	112.5317 ppm	9.9642 ppm	0.0736 ppm
Concentration per Run	0.0039 ppm	0.0343 ppm	0.3076 ppm	0.2083 ppm	109.8643 ppm	9.6979 ppm	0.0503 ppm
Concentration per Run	0.0037 ppm	0.0343 ppm	0.3135 ppm	0.2096 ppm	112.5871 ppm	9.8790 ppm	0.0756 ppm
Concentration RSD	2.2 %	0.1 %	1.4 %	0.7 %	1.4 %	1.4 %	21.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	23.4243 ppm	1.8464 ppm	0.0384 ppm	0.5291 ppm	0.0787 ppm	0.1536 ppm	0.0007 ppm
Concentration per Run	23.3243 ppm	1.8472 ppm	0.0381 ppm	0.5354 ppm	0.0766 ppm	0.1533 ppm	0.0031 ppm
Concentration per Run	23.4702 ppm	1.8261 ppm	0.0386 ppm	0.5228 ppm	0.0785 ppm	0.1536 ppm	0.0000 ppm
Concentration per Run	23.4783 ppm	1.8658 ppm	0.0385 ppm	0.5290 ppm	0.0809 ppm	0.1537 ppm	-0.0011 ppm
Concentration RSD	0.4 %	1.1 %	0.7 %	1.2 %	2.7 %	0.2 %	333.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0036 ppm	**37.4913 [SIC 100]**	0.0219 ppm	0.3802 ppm	2.6746 ppm	0.0006 ppm	0.2589 ppm
Concentration per Run	0.0030 ppm	37.2280 ppm	0.0224 ppm	0.3822 ppm	2.6648 ppm	0.0010 ppm	0.2562 ppm
Concentration per Run	0.0014 ppm	37.6037 ppm	0.0218 ppm	0.3737 ppm	2.6847 ppm	0.0013 ppm	0.2596 ppm
Concentration per Run	0.0063 ppm	37.6421 ppm	0.0215 ppm	0.3848 ppm	2.6743 ppm	-0.0004 ppm	0.2609 ppm
Concentration RSD	70.6 %	0.6 %	2.1 %	1.5 %	0.4 %	138.4 %	0.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.5780 ppm	92.8578 %	100.6705 %	84.2863 %	97.4891 %	107.2841 %	98.8775 %
Concentration per Run	1.5600 ppm	93.4172 %	100.3384 %	84.4937 %	97.8229 %	107.8387 %	98.7644 %
Concentration per Run	1.5752 ppm	93.1394 %	101.5768 %	83.8202 %	97.8573 %	106.6141 %	98.4576 %
Concentration per Run	1.5987 ppm	92.0167 %	100.0964 %	84.5448 %	96.7870 %	107.3994 %	99.4104 %
Concentration RSD	1.2 %	0.8 %	0.8 %	0.5 %	0.6 %	0.6 %	0.5 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: CCV
Analysis started at: 11/28/2025 11:50:49 AM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4988 ppm	0.4782 ppm	0.4781 ppm	0.4816 ppm	0.4932 ppm	0.4981 ppm	0.4840 ppm
Concentration per Run	0.4984 ppm	0.4822 ppm	0.4798 ppm	0.4801 ppm	0.4918 ppm	0.4975 ppm	0.4861 ppm
Concentration per Run	0.4998 ppm	0.4719 ppm	0.4767 ppm	0.4839 ppm	0.4937 ppm	0.4993 ppm	0.4854 ppm
Concentration per Run	0.4983 ppm	0.4806 ppm	0.4778 ppm	0.4809 ppm	0.4940 ppm	0.4974 ppm	0.4805 ppm
Recovery Percentage	99.767 %	95.646 %	95.616 %	96.327 %	98.630 %	99.610 %	96.792 %
Concentration RSD	0.2 %	1.2 %	0.3 %	0.4 %	0.2 %	0.2 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5077 ppm	0.5052 ppm	0.5078 ppm	0.5128 ppm	0.4808 ppm	5.0879 ppm	0.5134 ppm
Concentration per Run	0.5074 ppm	0.5051 ppm	0.5086 ppm	0.5121 ppm	0.4775 ppm	5.0436 ppm	0.5104 ppm
Concentration per Run	0.5097 ppm	0.5066 ppm	0.5088 ppm	0.5144 ppm	0.4832 ppm	5.1470 ppm	0.5181 ppm
Concentration per Run	0.5058 ppm	0.5038 ppm	0.5061 ppm	0.5120 ppm	0.4818 ppm	5.0732 ppm	0.5117 ppm
Recovery Percentage	101.531 %	101.030 %	101.566 %	102.565 %	96.167 %	101.759 %	102.686 %
Concentration RSD	0.4 %	0.3 %	0.3 %	0.3 %	0.6 %	1.0 %	0.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4967 ppm	0.4977 ppm	0.4806 ppm	10.0136 ppm	0.5065 ppm	0.4887 ppm	0.5002 ppm
Concentration per Run	0.4982 ppm	0.4975 ppm	0.4797 ppm	9.9912 ppm	0.5073 ppm	0.4872 ppm	0.4992 ppm
Concentration per Run	0.5002 ppm	0.4969 ppm	0.4818 ppm	10.0222 ppm	0.5070 ppm	0.4903 ppm	0.5001 ppm
Concentration per Run	0.4918 ppm	0.4988 ppm	0.4803 ppm	10.0274 ppm	0.5052 ppm	0.4885 ppm	0.5014 ppm
Recovery Percentage	99.348 %	99.548 %	96.120 %	100.136 %	101.302 %	97.736 %	100.045 %
Concentration RSD	0.9 %	0.2 %	0.2 %	0.2 %	0.2 %	0.3 %	0.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4722 ppm	5.3209 ppm	0.4862 ppm	0.4874 ppm	0.4903 ppm	0.4932 ppm	0.5042 ppm
Concentration per Run	0.4713 ppm	5.2961 ppm	0.4861 ppm	0.4854 ppm	0.4907 ppm	0.4898 ppm	0.5050 ppm
Concentration per Run	0.4748 ppm	5.3299 ppm	0.4858 ppm	0.4879 ppm	0.4920 ppm	0.4958 ppm	0.5036 ppm
Concentration per Run	0.4704 ppm	5.3368 ppm	0.4867 ppm	0.4889 ppm	0.4882 ppm	0.4939 ppm	0.5041 ppm
Recovery Percentage	94.431 %	101.351 %	97.241 %	97.486 %	98.061 %	98.633 %	100.844 %
Concentration RSD	0.5 %	0.4 %	0.1 %	0.4 %	0.4 %	0.6 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5008 ppm	100.2681 %	100.4004 %	100.1843 %	98.2425 %	98.7811 %	99.0455 %
Concentration per Run	0.5024 ppm	99.5985 %	101.0005 %	99.8050 %	97.3589 %	99.3971 %	98.2951 %
Concentration per Run	0.5011 ppm	100.2523 %	100.2921 %	100.7493 %	98.1800 %	98.0084 %	99.5757 %
Concentration per Run	0.4989 ppm	100.9534 %	99.9087 %	99.9986 %	99.1885 %	98.9377 %	99.2657 %
Recovery Percentage	100.158 %						
Concentration RSD	0.4 %	0.7 %	0.6 %	0.5 %	0.9 %	0.7 %	0.7 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: CCB
Analysis started at: 11/28/2025 11:53:09 AM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0003 ppm	0.0083 ppm	-0.0002 ppm	0.0009 ppm	0.0002 ppm	0.0000 ppm	-0.0043 ppm
Concentration per Run	0.0005 ppm	-0.0006 ppm	0.0003 ppm	0.0008 ppm	0.0001 ppm	0.0001 ppm	-0.0073 ppm
Concentration per Run	0.0003 ppm	0.0151 ppm	-0.0015 ppm	0.0001 ppm	0.0002 ppm	0.0000 ppm	-0.0059 ppm
Concentration per Run	0.0002 ppm	0.0104 ppm	0.0006 ppm	0.0016 ppm	0.0001 ppm	0.0000 ppm	0.0005 ppm
Recovery Percentage	4.702 %	8.278 %	-3.918 %	2.840 %	1.555 %	0.807 %	-4.252 %
Concentration RSD	43.4 %	97.2 %	572.4 %	93.1 %	44.1 %	156.2 %	97.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0005 ppm	-0.0002 ppm	0.0000 ppm	-0.0008 ppm	-0.0469 ppm	0.0024 ppm
Concentration per Run	0.0000 ppm	-0.0010 ppm	-0.0002 ppm	-0.0001 ppm	-0.0009 ppm	-0.0517 ppm	0.0041 ppm
Concentration per Run	0.0000 ppm	-0.0008 ppm	0.0000 ppm	0.0003 ppm	-0.0016 ppm	-0.0565 ppm	0.0022 ppm
Concentration per Run	-0.0001 ppm	0.0001 ppm	-0.0004 ppm	-0.0001 ppm	-0.0001 ppm	-0.0325 ppm	0.0011 ppm
Recovery Percentage	-0.381 %	-2.724 %	-1.967 %	0.207 %	-1.663 %	-1.877 %	48.408 %
Concentration RSD	222.4 %	101.0 %	115.7 %	1,029.0 %	90.3 %	27.1 %	62.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0007 ppm	0.0001 ppm	-0.0002 ppm	-0.0081 ppm	-0.0013 ppm	-0.0012 ppm	0.0011 ppm
Concentration per Run	0.0013 ppm	0.0002 ppm	-0.0002 ppm	-0.0043 ppm	-0.0009 ppm	-0.0014 ppm	0.0003 ppm
Concentration per Run	-0.0003 ppm	0.0001 ppm	-0.0004 ppm	-0.0075 ppm	-0.0013 ppm	-0.0013 ppm	0.0040 ppm
Concentration per Run	-0.0031 ppm	0.0000 ppm	0.0000 ppm	-0.0127 ppm	-0.0015 ppm	-0.0010 ppm	-0.0010 ppm
Recovery Percentage	-0.705 %	0.962 %	-0.448 %	-0.406 %	-5.027 %	-12.002 %	2.183 %
Concentration RSD	313.8 %	132.9 %	92.2 %	52.1 %	23.8 %	17.1 %	236.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0014 ppm	0.0011 ppm	0.0010 ppm	0.0000 ppm	-0.0004 ppm	0.0009 ppm	0.0001 ppm
Concentration per Run	0.0037 ppm	0.0012 ppm	0.0003 ppm	0.0000 ppm	-0.0007 ppm	0.0004 ppm	-0.0005 ppm
Concentration per Run	0.0009 ppm	0.0001 ppm	0.0013 ppm	0.0000 ppm	0.0000 ppm	0.0015 ppm	0.0003 ppm
Concentration per Run	-0.0003 ppm	0.0019 ppm	0.0012 ppm	0.0000 ppm	-0.0006 ppm	0.0008 ppm	0.0003 ppm
Recovery Percentage	14.199 %	0.217 %	1.911 %	0.091 %	-4.126 %	4.395 %	0.516 %
Concentration RSD	141.8 %	82.5 %	56.4 %	448.6 %	95.2 %	64.1 %	880.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0000 ppm	98.5422 %	98.1074 %	99.3522 %	98.8497 %	97.9146 %	98.8432 %
Concentration per Run	0.0001 ppm	98.7858 %	97.7981 %	99.1232 %	98.8037 %	97.7030 %	98.5310 %
Concentration per Run	-0.0002 ppm	98.6899 %	98.3877 %	100.0305 %	98.9644 %	97.9005 %	99.7681 %
Concentration per Run	0.0001 ppm	98.1510 %	98.1365 %	98.9028 %	98.7810 %	98.1402 %	98.2305 %
Recovery Percentage	-0.077 %						
Concentration RSD	5,106.2 %	0.3 %	0.3 %	0.6 %	0.1 %	0.2 %	0.8 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574432-03D2 WG2145767
Analysis started at: 11/28/2025 11:59:04 AM
Comment <Comment>
Rack Number 1
Vial Numbers 59

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0008 ppm	87.9797 ppm	0.0280 ppm	0.4183 ppm	1.9005 ppm	0.0029 ppm	767.8330 ppm
Concentration per Run	0.0006 ppm	88.2548 ppm	0.0297 ppm	0.4177 ppm	1.9143 ppm	0.0030 ppm	769.8190 ppm
Concentration per Run	0.0010 ppm	88.0566 ppm	0.0244 ppm	0.4169 ppm	1.8999 ppm	0.0029 ppm	770.3060 ppm
Concentration per Run	0.0009 ppm	87.6278 ppm	0.0298 ppm	0.4203 ppm	1.8872 ppm	0.0029 ppm	763.3741 ppm
Concentration RSD	20.9 %	0.4 %	11.2 %	0.4 %	0.7 %	2.1 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0007 ppm	0.0190 ppm	0.1458 ppm	0.1223 ppm	58.8433 ppm	1.4530 ppm	0.0810 ppm
Concentration per Run	0.0008 ppm	0.0190 ppm	0.1451 ppm	0.1215 ppm	59.1472 ppm	1.4511 ppm	0.0785 ppm
Concentration per Run	0.0006 ppm	0.0187 ppm	0.1455 ppm	0.1220 ppm	58.8591 ppm	1.4749 ppm	0.0860 ppm
Concentration per Run	0.0006 ppm	0.0193 ppm	0.1466 ppm	0.1233 ppm	58.5235 ppm	1.4330 ppm	0.0784 ppm
Concentration RSD	16.2 %	1.5 %	0.5 %	0.7 %	0.5 %	1.4 %	5.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	42.1235 ppm	1.1719 ppm	0.0064 ppm	1.5132 ppm	0.0626 ppm	0.0428 ppm	0.0011 ppm
Concentration per Run	42.0010 ppm	1.1751 ppm	0.0067 ppm	1.5321 ppm	0.0619 ppm	0.0438 ppm	0.0007 ppm
Concentration per Run	42.2826 ppm	1.1755 ppm	0.0062 ppm	1.5090 ppm	0.0622 ppm	0.0430 ppm	0.0024 ppm
Concentration per Run	42.0870 ppm	1.1652 ppm	0.0063 ppm	1.4984 ppm	0.0639 ppm	0.0415 ppm	0.0003 ppm
Concentration RSD	0.3 %	0.5 %	4.6 %	1.1 %	1.7 %	2.8 %	98.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0071 ppm	31.8579 [SIC 100]	0.0100 ppm	3.5745 ppm	4.5278 ppm	0.0012 ppm	0.1468 ppm
Concentration per Run	0.0031 ppm	31.8317 ppm	0.0107 ppm	3.6042 ppm	4.5160 ppm	0.0015 ppm	0.1464 ppm
Concentration per Run	0.0101 ppm	31.7617 ppm	0.0083 ppm	3.5734 ppm	4.5435 ppm	0.0021 ppm	0.1459 ppm
Concentration per Run	0.0080 ppm	31.9802 ppm	0.0112 ppm	3.5458 ppm	4.5239 ppm	-0.0001 ppm	0.1481 ppm
Concentration RSD	50.6 %	0.4 %	15.5 %	0.8 %	0.3 %	101.6 %	0.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2874 ppm	92.4274 %	99.3546 %	84.6837 %	94.7912 %	103.5233 %	96.1240 %
Concentration per Run	0.2875 ppm	92.6523 %	99.0141 %	85.4331 %	94.8023 %	103.3993 %	97.1364 %
Concentration per Run	0.2875 ppm	92.3313 %	99.6216 %	83.5762 %	94.7418 %	104.4085 %	94.6700 %
Concentration per Run	0.2870 ppm	92.2984 %	99.4281 %	85.0419 %	94.8296 %	102.7621 %	96.5657 %
Concentration RSD	0.1 %	0.2 %	0.3 %	1.2 %	0.0 %	0.8 %	1.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574432-04D2 WG2145767
Analysis started at: 11/28/2025 12:01:22 PM
Comment <Comment>
Rack Number 1
Vial Numbers 60

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0006 ppm	66.6804 ppm	0.0123 ppm	0.1436 ppm	0.3021 ppm	0.0021 ppm	843.5106 ppm
Concentration per Run	0.0005 ppm	66.9939 ppm	0.0125 ppm	0.1429 ppm	0.3029 ppm	0.0020 ppm	846.7766 ppm
Concentration per Run	0.0007 ppm	66.3835 ppm	0.0135 ppm	0.1418 ppm	0.3010 ppm	0.0020 ppm	840.3956 ppm
Concentration per Run	0.0005 ppm	66.6638 ppm	0.0108 ppm	0.1459 ppm	0.3022 ppm	0.0021 ppm	843.3596 ppm
Concentration RSD	12.6 %	0.5 %	11.3 %	1.5 %	0.3 %	2.5 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0006 ppm	0.0162 ppm	0.1077 ppm	0.0555 ppm	55.2061 ppm	2.2201 ppm	0.0827 ppm
Concentration per Run	0.0007 ppm	0.0162 ppm	0.1060 ppm	0.0557 ppm	55.4519 ppm	2.2555 ppm	0.0923 ppm
Concentration per Run	0.0006 ppm	0.0160 ppm	0.1074 ppm	0.0558 ppm	54.9852 ppm	2.1973 ppm	0.0690 ppm
Concentration per Run	0.0006 ppm	0.0163 ppm	0.1096 ppm	0.0549 ppm	55.1813 ppm	2.2073 ppm	0.0867 ppm
Concentration RSD	7.1 %	1.3 %	1.7 %	0.9 %	0.4 %	1.4 %	14.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	44.4803 ppm	0.9172 ppm	0.0036 ppm	0.9667 ppm	0.0488 ppm	0.0336 ppm	-0.0012 ppm
Concentration per Run	44.5030 ppm	0.9223 ppm	0.0035 ppm	0.9646 ppm	0.0487 ppm	0.0338 ppm	0.0002 ppm
Concentration per Run	44.4632 ppm	0.9127 ppm	0.0035 ppm	0.9576 ppm	0.0475 ppm	0.0335 ppm	0.0002 ppm
Concentration per Run	44.4746 ppm	0.9165 ppm	0.0038 ppm	0.9779 ppm	0.0502 ppm	0.0335 ppm	-0.0039 ppm
Concentration RSD	0.0 %	0.5 %	4.6 %	1.1 %	2.8 %	0.5 %	198.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0008 ppm	9.2241 ppm	0.0101 ppm	2.9891 ppm	2.8052 ppm	0.0007 ppm	0.0925 ppm
Concentration per Run	-0.0007 ppm	9.2493 ppm	0.0105 ppm	3.0018 ppm	2.7992 ppm	0.0026 ppm	0.0925 ppm
Concentration per Run	-0.0055 ppm	9.2586 ppm	0.0103 ppm	2.9733 ppm	2.8133 ppm	-0.0008 ppm	0.0925 ppm
Concentration per Run	0.0036 ppm	9.1646 ppm	0.0093 ppm	2.9922 ppm	2.8030 ppm	0.0002 ppm	0.0926 ppm
Concentration RSD	535.8 %	0.6 %	6.6 %	0.5 %	0.3 %	263.7 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1253 ppm	91.3981 %	97.8046 %	83.8194 %	92.2777 %	100.9380 %	93.7435 %
Concentration per Run	0.1241 ppm	91.3233 %	97.7565 %	83.7755 %	92.0372 %	101.5027 %	93.8389 %
Concentration per Run	0.1257 ppm	91.2603 %	98.0100 %	83.5927 %	92.2279 %	100.7899 %	93.4001 %
Concentration per Run	0.1260 ppm	91.6107 %	97.6474 %	84.0899 %	92.5681 %	100.5212 %	93.9915 %
Concentration RSD	0.8 %	0.2 %	0.2 %	0.3 %	0.3 %	0.5 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574432-05D2 WG2145767
Analysis started at: 11/28/2025 12:03:32 PM
Comment <Comment>
Rack Number 2
Vial Numbers 1

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	55.9743 ppm	0.0111 ppm	0.0945 ppm	0.1852 ppm	0.0016 ppm	560.7597 ppm
Concentration per Run	0.0001 ppm	55.2753 ppm	0.0098 ppm	0.0939 ppm	0.1830 ppm	0.0015 ppm	553.5642 ppm
Concentration per Run	-0.0005 ppm	56.2652 ppm	0.0111 ppm	0.0920 ppm	0.1859 ppm	0.0016 ppm	564.4699 ppm
Concentration per Run	0.0005 ppm	56.3823 ppm	0.0123 ppm	0.0976 ppm	0.1867 ppm	0.0016 ppm	564.2449 ppm
Concentration RSD	1,575.5 %	1.1 %	11.6 %	3.0 %	1.1 %	1.9 %	1.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0108 ppm	0.0761 ppm	0.0259 ppm	38.2264 ppm	0.3896 ppm	0.0379 ppm
Concentration per Run	0.0001 ppm	0.0112 ppm	0.0768 ppm	0.0258 ppm	37.8354 ppm	0.4113 ppm	0.0358 ppm
Concentration per Run	0.0003 ppm	0.0109 ppm	0.0756 ppm	0.0255 ppm	38.4410 ppm	0.3825 ppm	0.0425 ppm
Concentration per Run	0.0002 ppm	0.0103 ppm	0.0758 ppm	0.0264 ppm	38.4029 ppm	0.3752 ppm	0.0353 ppm
Concentration RSD	33.3 %	4.6 %	0.8 %	1.7 %	0.9 %	4.9 %	10.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	32.8657 ppm	0.6017 ppm	0.0018 ppm	0.1008 ppm	0.0273 ppm	0.0173 ppm	0.0000 ppm
Concentration per Run	32.8698 ppm	0.5938 ppm	0.0019 ppm	0.0923 ppm	0.0276 ppm	0.0185 ppm	-0.0027 ppm
Concentration per Run	32.8284 ppm	0.6050 ppm	0.0016 ppm	0.1099 ppm	0.0270 ppm	0.0172 ppm	0.0039 ppm
Concentration per Run	32.8989 ppm	0.6063 ppm	0.0020 ppm	0.1002 ppm	0.0272 ppm	0.0162 ppm	-0.0012 ppm
Concentration RSD	0.1 %	1.1 %	10.3 %	8.8 %	1.1 %	6.8 %	16,513.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0016 ppm	11.6246 ppm	0.0073 ppm	1.3479 ppm	1.9156 ppm	0.0018 ppm	0.0633 ppm
Concentration per Run	0.0011 ppm	11.6605 ppm	0.0073 ppm	1.3377 ppm	1.9181 ppm	0.0016 ppm	0.0636 ppm
Concentration per Run	0.0046 ppm	11.5738 ppm	0.0075 ppm	1.3537 ppm	1.9111 ppm	0.0022 ppm	0.0628 ppm
Concentration per Run	-0.0009 ppm	11.6393 ppm	0.0070 ppm	1.3522 ppm	1.9176 ppm	0.0017 ppm	0.0636 ppm
Concentration RSD	177.3 %	0.4 %	3.8 %	0.7 %	0.2 %	17.4 %	0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0450 ppm	93.1388 %	99.1499 %	86.1944 %	92.6172 %	100.2704 %	94.0639 %
Concentration per Run	0.0453 ppm	92.9132 %	100.4735 %	86.3885 %	92.5604 %	100.8596 %	94.0664 %
Concentration per Run	0.0452 ppm	93.5194 %	97.7608 %	85.9089 %	93.1689 %	99.4280 %	93.8564 %
Concentration per Run	0.0446 ppm	92.9837 %	99.2153 %	86.2858 %	92.1224 %	100.5237 %	94.2690 %
Concentration RSD	0.8 %	0.4 %	1.4 %	0.3 %	0.6 %	0.7 %	0.2 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574432-06D2 WG2145767
Analysis started at: 11/28/2025 12:05:41 PM
Comment <Comment>
Rack Number 2
Vial Numbers 2

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	42.4778 ppm	0.0188 ppm	0.1286 ppm	0.2176 ppm	0.0017 ppm	363.9083 ppm
Concentration per Run	0.0000 ppm	42.5501 ppm	0.0177 ppm	0.1263 ppm	0.2165 ppm	0.0017 ppm	363.9152 ppm
Concentration per Run	-0.0001 ppm	42.4179 ppm	0.0170 ppm	0.1306 ppm	0.2190 ppm	0.0017 ppm	364.2209 ppm
Concentration per Run	-0.0004 ppm	42.4654 ppm	0.0216 ppm	0.1288 ppm	0.2172 ppm	0.0017 ppm	363.5888 ppm
Concentration RSD	160.7 %	0.2 %	13.2 %	1.7 %	0.6 %	1.4 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0064 ppm	0.1071 ppm	0.0258 ppm	40.2067 ppm	4.2166 ppm	0.0352 ppm
Concentration per Run	0.0004 ppm	0.0067 ppm	0.1062 ppm	0.0262 ppm	40.1386 ppm	4.1690 ppm	0.0458 ppm
Concentration per Run	0.0001 ppm	0.0063 ppm	0.1066 ppm	0.0256 ppm	40.4677 ppm	4.2454 ppm	0.0283 ppm
Concentration per Run	0.0002 ppm	0.0061 ppm	0.1084 ppm	0.0257 ppm	40.0139 ppm	4.2354 ppm	0.0314 ppm
Concentration RSD	56.5 %	5.0 %	1.1 %	1.2 %	0.6 %	1.0 %	26.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	24.6989 ppm	0.3935 ppm	0.0068 ppm	0.3248 ppm	0.0186 ppm	0.0473 ppm	0.0016 ppm
Concentration per Run	24.6835 ppm	0.3943 ppm	0.0071 ppm	0.3215 ppm	0.0184 ppm	0.0486 ppm	-0.0002 ppm
Concentration per Run	24.7386 ppm	0.3934 ppm	0.0065 ppm	0.3257 ppm	0.0187 ppm	0.0460 ppm	-0.0006 ppm
Concentration per Run	24.6744 ppm	0.3928 ppm	0.0068 ppm	0.3274 ppm	0.0186 ppm	0.0472 ppm	0.0055 ppm
Concentration RSD	0.1 %	0.2 %	4.6 %	0.9 %	0.8 %	2.7 %	215.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0017 ppm	15.1114 ppm	0.0062 ppm	1.5857 ppm	1.3124 ppm	0.0017 ppm	0.0732 ppm
Concentration per Run	0.0025 ppm	15.1039 ppm	0.0064 ppm	1.5802 ppm	1.3199 ppm	0.0013 ppm	0.0725 ppm
Concentration per Run	0.0041 ppm	15.0487 ppm	0.0064 ppm	1.5925 ppm	1.3047 ppm	0.0007 ppm	0.0732 ppm
Concentration per Run	-0.0015 ppm	15.1815 ppm	0.0058 ppm	1.5844 ppm	1.3126 ppm	0.0030 ppm	0.0738 ppm
Concentration RSD	171.9 %	0.4 %	5.7 %	0.4 %	0.6 %	72.6 %	0.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0866 ppm	95.1839 %	99.0813 %	88.6850 %	95.0613 %	100.5670 %	96.3912 %
Concentration per Run	0.0853 ppm	95.9843 %	99.6183 %	88.6805 %	95.7779 %	101.6459 %	96.6446 %
Concentration per Run	0.0875 ppm	94.4114 %	98.5765 %	88.7005 %	93.9889 %	99.8357 %	96.4359 %
Concentration per Run	0.0869 ppm	95.1562 %	99.0492 %	88.6742 %	95.4172 %	100.2195 %	96.0932 %
Concentration RSD	1.3 %	0.8 %	0.5 %	0.0 %	1.0 %	0.9 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574432-07D2 WG2145767
Analysis started at: 11/28/2025 12:07:51 PM
Comment <Comment>
Rack Number 2
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0009 ppm	60.3371 ppm	0.0295 ppm	0.1649 ppm	0.3446 ppm	0.0030 ppm	446.7703 ppm
Concentration per Run	0.0006 ppm	60.5553 ppm	0.0296 ppm	0.1631 ppm	0.3467 ppm	0.0031 ppm	447.5159 ppm
Concentration per Run	0.0008 ppm	60.1919 ppm	0.0276 ppm	0.1646 ppm	0.3441 ppm	0.0030 ppm	445.9920 ppm
Concentration per Run	0.0012 ppm	60.2643 ppm	0.0313 ppm	0.1672 ppm	0.3432 ppm	0.0030 ppm	446.8030 ppm
Concentration RSD	35.6 %	0.3 %	6.3 %	1.3 %	0.5 %	1.0 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0004 ppm	0.0091 ppm	0.2762 ppm	0.0280 ppm	76.2950 ppm	9.6893 ppm	0.0512 ppm
Concentration per Run	0.0004 ppm	0.0082 ppm	0.2770 ppm	0.0283 ppm	76.4746 ppm	9.6927 ppm	0.0610 ppm
Concentration per Run	0.0005 ppm	0.0094 ppm	0.2743 ppm	0.0277 ppm	76.0494 ppm	9.6702 ppm	0.0456 ppm
Concentration per Run	0.0004 ppm	0.0096 ppm	0.2771 ppm	0.0279 ppm	76.3609 ppm	9.7049 ppm	0.0470 ppm
Concentration RSD	1.9 %	8.1 %	0.6 %	1.2 %	0.3 %	0.2 %	16.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	36.9947 ppm	0.4859 ppm	0.0071 ppm	0.1830 ppm	0.0269 ppm	0.0273 ppm	0.0042 ppm
Concentration per Run	37.0897 ppm	0.4872 ppm	0.0074 ppm	0.1856 ppm	0.0267 ppm	0.0264 ppm	0.0062 ppm
Concentration per Run	37.1358 ppm	0.4853 ppm	0.0065 ppm	0.1836 ppm	0.0267 ppm	0.0283 ppm	0.0015 ppm
Concentration per Run	36.7586 ppm	0.4853 ppm	0.0073 ppm	0.1797 ppm	0.0273 ppm	0.0272 ppm	0.0049 ppm
Concentration RSD	0.6 %	0.2 %	7.3 %	1.6 %	1.3 %	3.5 %	57.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0047 ppm	36.0499 [SIC 100]	0.0073 ppm	1.1858 ppm	1.7236 ppm	0.0004 ppm	0.1224 ppm
Concentration per Run	0.0043 ppm	36.1874 ppm	0.0068 ppm	1.1898 ppm	1.7246 ppm	0.0013 ppm	0.1230 ppm
Concentration per Run	0.0032 ppm	36.0122 ppm	0.0074 ppm	1.1812 ppm	1.7299 ppm	0.0002 ppm	0.1220 ppm
Concentration per Run	0.0066 ppm	35.9500 ppm	0.0077 ppm	1.1864 ppm	1.7162 ppm	-0.0004 ppm	0.1223 ppm
Concentration RSD	36.6 %	0.3 %	6.2 %	0.4 %	0.4 %	227.5 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0915 ppm	95.2545 %	98.6147 %	86.9518 %	95.0376 %	100.5679 %	95.6678 %
Concentration per Run	0.0923 ppm	95.2150 %	98.4540 %	86.5076 %	94.9029 %	100.6688 %	95.2557 %
Concentration per Run	0.0909 ppm	95.2627 %	99.2123 %	87.3921 %	94.7966 %	100.7519 %	96.1513 %
Concentration per Run	0.0914 ppm	95.2859 %	98.1779 %	86.9556 %	95.4133 %	100.2830 %	95.5962 %
Concentration RSD	0.8 %	0.0 %	0.5 %	0.5 %	0.3 %	0.2 %	0.5 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2574432-08D2 WG2145767
Analysis started at: 11/28/2025 12:10:01 PM
Comment <Comment>
Rack Number 2
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0005 ppm	86.2261 ppm	0.0098 ppm	0.1122 ppm	0.2972 ppm	0.0024 ppm	980.3547 ppm
Concentration per Run	-0.0008 ppm	86.6147 ppm	0.0107 ppm	0.1125 ppm	0.2984 ppm	0.0024 ppm	982.8176 ppm
Concentration per Run	-0.0003 ppm	85.7357 ppm	0.0090 ppm	0.1133 ppm	0.2967 ppm	0.0023 ppm	975.6063 ppm
Concentration per Run	-0.0003 ppm	86.3279 ppm	0.0097 ppm	0.1109 ppm	0.2964 ppm	0.0024 ppm	982.6402 ppm
Concentration RSD	61.0 %	0.5 %	9.1 %	1.1 %	0.4 %	3.0 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0133 ppm	0.0893 ppm	0.0317 ppm	42.8435 ppm	0.3403 ppm	0.0669 ppm
Concentration per Run	0.0000 ppm	0.0131 ppm	0.0889 ppm	0.0318 ppm	43.0460 ppm	0.3553 ppm	0.0724 ppm
Concentration per Run	0.0002 ppm	0.0138 ppm	0.0891 ppm	0.0315 ppm	42.6843 ppm	0.3346 ppm	0.0540 ppm
Concentration per Run	0.0000 ppm	0.0129 ppm	0.0898 ppm	0.0318 ppm	42.8002 ppm	0.3309 ppm	0.0744 ppm
Concentration RSD	120.5 %	3.5 %	0.5 %	0.5 %	0.4 %	3.9 %	16.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	41.5343 ppm	1.4517 ppm	0.0019 ppm	0.1264 ppm	0.0436 ppm	0.0155 ppm	0.0024 ppm
Concentration per Run	41.6133 ppm	1.4554 ppm	0.0018 ppm	0.1290 ppm	0.0442 ppm	0.0154 ppm	0.0042 ppm
Concentration per Run	41.4421 ppm	1.4462 ppm	0.0022 ppm	0.1245 ppm	0.0433 ppm	0.0144 ppm	0.0018 ppm
Concentration per Run	41.5475 ppm	1.4537 ppm	0.0017 ppm	0.1258 ppm	0.0434 ppm	0.0166 ppm	0.0011 ppm
Concentration RSD	0.2 %	0.3 %	14.1 %	1.8 %	1.2 %	7.2 %	69.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0012 ppm	15.5034 ppm	0.0078 ppm	2.1319 ppm	2.9701 ppm	0.0006 ppm	0.0857 ppm
Concentration per Run	0.0037 ppm	15.5716 ppm	0.0076 ppm	2.1451 ppm	2.9787 ppm	0.0012 ppm	0.0860 ppm
Concentration per Run	-0.0008 ppm	15.4665 ppm	0.0077 ppm	2.1215 ppm	2.9684 ppm	0.0009 ppm	0.0855 ppm
Concentration per Run	0.0007 ppm	15.4722 ppm	0.0080 ppm	2.1291 ppm	2.9631 ppm	-0.0005 ppm	0.0856 ppm
Concentration RSD	191.3 %	0.4 %	2.9 %	0.6 %	0.3 %	161.6 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0547 ppm	90.8494 %	98.5240 %	82.9696 %	92.2117 %	101.2954 %	93.1691 %
Concentration per Run	0.0548 ppm	90.0070 %	98.2656 %	82.9242 %	91.5507 %	101.4899 %	93.1780 %
Concentration per Run	0.0547 ppm	91.3267 %	98.5967 %	83.1159 %	92.6065 %	100.5332 %	93.2133 %
Concentration per Run	0.0546 ppm	91.2144 %	98.7097 %	82.8686 %	92.4780 %	101.8629 %	93.1159 %
Concentration RSD	0.2 %	0.8 %	0.2 %	0.2 %	0.6 %	0.7 %	0.1 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2574432-09D2 WG2145767
Analysis started at: 11/28/2025 12:12:10 PM
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Rack Number 2
Vial Numbers 5

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	58.4047 ppm	0.0108 ppm	0.1317 ppm	0.3165 ppm	0.0017 ppm	720.2644 ppm
Concentration per Run	-0.0002 ppm	58.7331 ppm	0.0115 ppm	0.1323 ppm	0.3182 ppm	0.0017 ppm	725.6067 ppm
Concentration per Run	0.0001 ppm	58.1304 ppm	0.0107 ppm	0.1320 ppm	0.3136 ppm	0.0016 ppm	715.7736 ppm
Concentration per Run	0.0006 ppm	58.3505 ppm	0.0102 ppm	0.1308 ppm	0.3178 ppm	0.0017 ppm	719.4128 ppm
Concentration RSD	239.8 %	0.5 %	6.2 %	0.6 %	0.8 %	2.8 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0003 ppm	0.0197 ppm	0.0705 ppm	0.0699 ppm	44.2939 ppm	1.0825 ppm	0.0447 ppm
Concentration per Run	0.0002 ppm	0.0193 ppm	0.0711 ppm	0.0701 ppm	44.5462 ppm	1.1299 ppm	0.0501 ppm
Concentration per Run	0.0004 ppm	0.0206 ppm	0.0706 ppm	0.0701 ppm	43.9037 ppm	1.0583 ppm	0.0438 ppm
Concentration per Run	0.0003 ppm	0.0192 ppm	0.0699 ppm	0.0694 ppm	44.4319 ppm	1.0592 ppm	0.0404 ppm
Concentration RSD	41.7 %	3.9 %	0.9 %	0.6 %	0.8 %	3.8 %	11.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	34.0757 ppm	0.7390 ppm	0.0012 ppm	0.6440 ppm	0.0287 ppm	0.0140 ppm	0.0024 ppm
Concentration per Run	34.0415 ppm	0.7449 ppm	0.0014 ppm	0.6548 ppm	0.0284 ppm	0.0132 ppm	0.0026 ppm
Concentration per Run	34.1230 ppm	0.7345 ppm	0.0009 ppm	0.6339 ppm	0.0294 ppm	0.0156 ppm	0.0035 ppm
Concentration per Run	34.0625 ppm	0.7375 ppm	0.0015 ppm	0.6431 ppm	0.0283 ppm	0.0133 ppm	0.0011 ppm
Concentration RSD	0.1 %	0.7 %	26.3 %	1.6 %	2.2 %	9.9 %	51.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0027 ppm	51.8343 [SIC 100]	0.0092 ppm	3.0177 ppm	2.5511 ppm	0.0014 ppm	0.0716 ppm
Concentration per Run	-0.0017 ppm	52.0118 ppm	0.0086 ppm	3.0382 ppm	2.5449 ppm	0.0008 ppm	0.0722 ppm
Concentration per Run	-0.0061 ppm	52.0031 ppm	0.0084 ppm	2.9951 ppm	2.5604 ppm	0.0001 ppm	0.0717 ppm
Concentration per Run	-0.0003 ppm	51.4879 ppm	0.0105 ppm	3.0197 ppm	2.5480 ppm	0.0032 ppm	0.0709 ppm
Concentration RSD	114.4 %	0.6 %	12.5 %	0.7 %	0.3 %	119.3 %	1.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1129 ppm	91.4153 %	98.1113 %	84.6633 %	91.7152 %	99.3322 %	93.8244 %
Concentration per Run	0.1131 ppm	91.0556 %	96.7743 %	84.6124 %	91.3917 %	98.7841 %	93.3903 %
Concentration per Run	0.1141 ppm	91.2331 %	99.3044 %	85.1368 %	91.9724 %	100.1288 %	94.6500 %
Concentration per Run	0.1117 ppm	91.9572 %	98.2551 %	84.2407 %	91.7814 %	99.0838 %	93.4329 %
Concentration RSD	1.1 %	0.5 %	1.3 %	0.5 %	0.3 %	0.7 %	0.8 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: eL2574432-10D2 WG2145767
Analysis started at: 11/28/2025 12:14:20 PM
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Rack Number 2
Vial Numbers 6

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	82.5280 ppm	0.0109 ppm	0.1469 ppm	0.3527 ppm	0.0026 ppm	1,016.5120 [SIC 1000]
Concentration per Run	-0.0005 ppm	82.4483 ppm	0.0095 ppm	0.1469 ppm	0.3534 ppm	0.0026 ppm	1,014.8081 ppm
Concentration per Run	0.0000 ppm	82.4747 ppm	0.0124 ppm	0.1452 ppm	0.3531 ppm	0.0025 ppm	1,015.3623 ppm
Concentration per Run	-0.0002 ppm	82.6611 ppm	0.0109 ppm	0.1486 ppm	0.3516 ppm	0.0026 ppm	1,019.3656 ppm
Concentration RSD	123.9 %	0.1 %	13.2 %	1.2 %	0.3 %	2.2 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0219 ppm	0.0713 ppm	0.0842 ppm	68.6200 ppm	2.5448 ppm	0.0655 ppm
Concentration per Run	0.0002 ppm	0.0222 ppm	0.0716 ppm	0.0842 ppm	68.5782 ppm	2.5526 ppm	0.0627 ppm
Concentration per Run	0.0002 ppm	0.0218 ppm	0.0715 ppm	0.0843 ppm	68.4883 ppm	2.5470 ppm	0.0719 ppm
Concentration per Run	0.0002 ppm	0.0216 ppm	0.0708 ppm	0.0842 ppm	68.7934 ppm	2.5347 ppm	0.0619 ppm
Concentration RSD	12.7 %	1.4 %	0.6 %	0.1 %	0.2 %	0.4 %	8.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	49.9768 ppm	1.3731 ppm	0.0008 ppm	1.8825 ppm	0.0501 ppm	0.0194 ppm	-0.0018 ppm
Concentration per Run	49.8955 ppm	1.3718 ppm	0.0010 ppm	1.8804 ppm	0.0506 ppm	0.0187 ppm	-0.0010 ppm
Concentration per Run	50.0303 ppm	1.3720 ppm	0.0010 ppm	1.8820 ppm	0.0491 ppm	0.0198 ppm	-0.0038 ppm
Concentration per Run	50.0045 ppm	1.3755 ppm	0.0005 ppm	1.8852 ppm	0.0507 ppm	0.0198 ppm	-0.0005 ppm
Concentration RSD	0.1 %	0.2 %	30.5 %	0.1 %	1.8 %	3.3 %	98.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0048 ppm	28.0860 [SIC 100]	0.0096 ppm	1.6104 ppm	3.0514 ppm	-0.0005 ppm	0.0929 ppm
Concentration per Run	0.0047 ppm	28.1176 ppm	0.0101 ppm	1.6107 ppm	3.0447 ppm	-0.0016 ppm	0.0929 ppm
Concentration per Run	0.0022 ppm	28.0597 ppm	0.0099 ppm	1.6085 ppm	3.0534 ppm	0.0007 ppm	0.0926 ppm
Concentration per Run	0.0075 ppm	28.0808 ppm	0.0087 ppm	1.6121 ppm	3.0560 ppm	-0.0005 ppm	0.0931 ppm
Concentration RSD	55.1 %	0.1 %	7.5 %	0.1 %	0.2 %	253.6 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0992 ppm	90.8668 %	97.3157 %	83.3702 %	99.4127 %	108.3342 %	101.3305 %
Concentration per Run	0.0998 ppm	90.7080 %	97.2472 %	82.8248 %	99.1873 %	108.1219 %	100.6976 %
Concentration per Run	0.0986 ppm	90.7523 %	97.5136 %	83.4381 %	99.0382 %	108.3594 %	101.4137 %
Concentration per Run	0.0993 ppm	91.1401 %	97.1864 %	83.8478 %	100.0125 %	108.5212 %	101.8804 %
Concentration RSD	0.6 %	0.3 %	0.2 %	0.6 %	0.5 %	0.2 %	0.6 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2574432-11D2 WG2145767
Analysis started at: 11/28/2025 12:16:30 PM
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Rack Number 2
Vial Numbers 7

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	57.0335 ppm	0.0100 ppm	0.1049 ppm	0.2315 ppm	0.0015 ppm	591.5681 ppm
Concentration per Run	0.0003 ppm	56.9844 ppm	0.0134 ppm	0.1042 ppm	0.2317 ppm	0.0015 ppm	590.8285 ppm
Concentration per Run	-0.0003 ppm	57.1081 ppm	0.0076 ppm	0.1046 ppm	0.2321 ppm	0.0015 ppm	592.2934 ppm
Concentration per Run	-0.0003 ppm	57.0082 ppm	0.0090 ppm	0.1059 ppm	0.2308 ppm	0.0014 ppm	591.5823 ppm
Concentration RSD	331.9 %	0.1 %	30.1 %	0.9 %	0.3 %	1.8 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0005 ppm	0.0088 ppm	0.0835 ppm	0.0240 ppm	45.6611 ppm	0.6073 ppm	0.0387 ppm
Concentration per Run	0.0005 ppm	0.0084 ppm	0.0828 ppm	0.0236 ppm	45.8157 ppm	0.6365 ppm	0.0429 ppm
Concentration per Run	0.0005 ppm	0.0093 ppm	0.0839 ppm	0.0242 ppm	45.7516 ppm	0.5977 ppm	0.0352 ppm
Concentration per Run	0.0005 ppm	0.0088 ppm	0.0839 ppm	0.0244 ppm	45.4161 ppm	0.5878 ppm	0.0379 ppm
Concentration RSD	7.8 %	4.7 %	0.8 %	1.8 %	0.5 %	4.2 %	10.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	34.7881 ppm	0.5783 ppm	0.0019 ppm	0.2704 ppm	0.0238 ppm	0.0184 ppm	0.0017 ppm
Concentration per Run	34.7862 ppm	0.5782 ppm	0.0023 ppm	0.2703 ppm	0.0243 ppm	0.0180 ppm	0.0002 ppm
Concentration per Run	34.7806 ppm	0.5780 ppm	0.0021 ppm	0.2715 ppm	0.0247 ppm	0.0182 ppm	0.0007 ppm
Concentration per Run	34.7976 ppm	0.5786 ppm	0.0015 ppm	0.2693 ppm	0.0225 ppm	0.0189 ppm	0.0043 ppm
Concentration RSD	0.0 %	0.1 %	21.5 %	0.4 %	4.9 %	2.6 %	130.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0070 ppm	39.8148 [SIC 100]	0.0062 ppm	2.5614 ppm	2.0999 ppm	0.0001 ppm	0.0681 ppm
Concentration per Run	0.0072 ppm	39.6356 ppm	0.0072 ppm	2.5606 ppm	2.0973 ppm	-0.0006 ppm	0.0676 ppm
Concentration per Run	0.0050 ppm	39.9483 ppm	0.0054 ppm	2.5714 ppm	2.1087 ppm	-0.0009 ppm	0.0683 ppm
Concentration per Run	0.0089 ppm	39.8604 ppm	0.0060 ppm	2.5521 ppm	2.0939 ppm	0.0017 ppm	0.0684 ppm
Concentration RSD	27.7 %	0.4 %	14.5 %	0.4 %	0.4 %	1,372.8 %	0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0599 ppm	93.3848 %	99.0650 %	85.8598 %	93.1428 %	99.9438 %	94.1331 %
Concentration per Run	0.0593 ppm	93.7934 %	98.8107 %	86.4197 %	93.1407 %	99.8352 %	94.4059 %
Concentration per Run	0.0601 ppm	93.0040 %	99.0636 %	85.5164 %	93.5441 %	99.9582 %	94.0372 %
Concentration per Run	0.0603 ppm	93.3569 %	99.3209 %	85.6434 %	92.7437 %	100.0381 %	93.9563 %
Concentration RSD	0.9 %	0.4 %	0.3 %	0.6 %	0.4 %	0.1 %	0.3 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2574497-01D2 WG2145767
Analysis started at: 11/28/2025 12:18:39 PM
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Rack Number 2
Vial Numbers 8

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0017 ppm	93.9554 ppm	0.1274 ppm	0.0336 ppm	0.7485 ppm	0.0064 ppm	77.0890 ppm
Concentration per Run	0.0013 ppm	93.3240 ppm	0.1280 ppm	0.0324 ppm	0.7452 ppm	0.0064 ppm	76.6875 ppm
Concentration per Run	0.0016 ppm	94.0410 ppm	0.1264 ppm	0.0333 ppm	0.7525 ppm	0.0065 ppm	77.1415 ppm
Concentration per Run	0.0023 ppm	94.5013 ppm	0.1278 ppm	0.0351 ppm	0.7478 ppm	0.0064 ppm	77.4378 ppm
Concentration RSD	29.9 %	0.6 %	0.7 %	4.2 %	0.5 %	0.3 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0026 ppm	0.0801 ppm	0.1057 ppm	0.1707 ppm	201.7191 ppm	6.0226 ppm	0.0927 ppm
Concentration per Run	0.0026 ppm	0.0801 ppm	0.1056 ppm	0.1709 ppm	200.7190 ppm	6.0222 ppm	0.0935 ppm
Concentration per Run	0.0025 ppm	0.0802 ppm	0.1068 ppm	0.1703 ppm	202.0513 ppm	6.0235 ppm	0.0933 ppm
Concentration per Run	0.0026 ppm	0.0799 ppm	0.1048 ppm	0.1708 ppm	202.3870 ppm	6.0221 ppm	0.0913 ppm
Concentration RSD	1.0 %	0.2 %	1.0 %	0.2 %	0.4 %	0.0 %	1.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	19.7920 ppm	6.7163 ppm	0.0165 ppm	1.2289 ppm	0.1530 ppm	0.2283 ppm	0.0015 ppm
Concentration per Run	19.8461 ppm	6.6784 ppm	0.0170 ppm	1.2098 ppm	0.1533 ppm	0.2283 ppm	0.0005 ppm
Concentration per Run	19.6510 ppm	6.7308 ppm	0.0160 ppm	1.2377 ppm	0.1535 ppm	0.2282 ppm	0.0027 ppm
Concentration per Run	19.8790 ppm	6.7396 ppm	0.0166 ppm	1.2390 ppm	0.1524 ppm	0.2284 ppm	0.0012 ppm
Concentration RSD	0.6 %	0.5 %	3.2 %	1.3 %	0.4 %	0.0 %	79.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0045 ppm	7.3374 ppm	0.0082 ppm	0.2979 ppm	1.2783 ppm	0.0002 ppm	0.1743 ppm
Concentration per Run	0.0026 ppm	7.3923 ppm	0.0085 ppm	0.2977 ppm	1.2764 ppm	0.0000 ppm	0.1755 ppm
Concentration per Run	0.0080 ppm	7.3019 ppm	0.0091 ppm	0.2988 ppm	1.2750 ppm	-0.0005 ppm	0.1740 ppm
Concentration per Run	0.0030 ppm	7.3180 ppm	0.0071 ppm	0.2973 ppm	1.2835 ppm	0.0011 ppm	0.1734 ppm
Concentration RSD	65.9 %	0.7 %	12.2 %	0.3 %	0.4 %	345.6 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.7296 ppm	99.2723 %	102.3676 %	92.9055 %	112.4917 %	117.7632 %	113.9323 %
Concentration per Run	0.7354 ppm	98.7105 %	102.9339 %	92.4289 %	111.6493 %	118.1287 %	113.6526 %
Concentration per Run	0.7294 ppm	99.6922 %	103.2615 %	93.3661 %	113.1736 %	118.6826 %	114.5542 %
Concentration per Run	0.7239 ppm	99.4142 %	100.9074 %	92.9216 %	112.6522 %	116.4783 %	113.5902 %
Concentration RSD	0.8 %	0.5 %	1.2 %	0.5 %	0.7 %	1.0 %	0.5 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: CCV
Analysis started at: 11/28/2025 12:29:22 PM
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Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0287 ppm	0.2236 ppm	0.0000 ppm	0.8203 ppm	0.1989 ppm	0.1999 ppm	0.1970 ppm
Concentration per Run	0.0860 ppm	0.1790 ppm	0.0001 ppm	2.3775 ppm	0.1514 ppm	0.1509 ppm	0.1479 ppm
Concentration per Run	-0.0001 ppm	0.2263 ppm	-0.0001 ppm	0.0864 ppm	0.1984 ppm	0.1990 ppm	0.1965 ppm
Concentration per Run	0.0001 ppm	0.2655 ppm	0.0001 ppm	-0.0029 ppm	0.2469 ppm	0.2499 ppm	0.2465 ppm
Recovery Percentage	5.733 %	44.718 %	0.006 %	164.061 %	39.784 %	39.990 %	39.396 %
Concentration RSD	173.3 %	19.4 %	367.7 %	164.5 %	24.0 %	24.8 %	25.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0027 ppm	0.2870 ppm	0.3769 ppm	0.2567 ppm	0.2007 ppm	2.1108 ppm	0.2106 ppm
Concentration per Run	0.0093 ppm	0.8024 ppm	1.0589 ppm	0.7509 ppm	0.1550 ppm	1.5581 ppm	0.1573 ppm
Concentration per Run	-0.0013 ppm	0.0594 ppm	0.0724 ppm	0.0224 ppm	0.2027 ppm	2.1098 ppm	0.2131 ppm
Concentration per Run	0.0000 ppm	-0.0007 ppm	-0.0006 ppm	-0.0033 ppm	0.2444 ppm	2.6645 ppm	0.2612 ppm
Recovery Percentage	0.532 %	57.408 %	75.378 %	51.337 %	40.137 %	42.216 %	42.111 %
Concentration RSD	216.5 %	155.8 %	157.0 %	166.8 %	22.3 %	26.2 %	24.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.2206 ppm	0.2053 ppm	-0.0322 ppm	4.1786 ppm	-0.7062 ppm	-0.0008 ppm	0.2287 ppm
Concentration per Run	-0.9879 ppm	0.1574 ppm	-0.1137 ppm	3.1417 ppm	-2.0306 ppm	-0.0007 ppm	0.8623 ppm
Concentration per Run	0.3241 ppm	0.2056 ppm	0.0175 ppm	4.2015 ppm	-0.0890 ppm	-0.0011 ppm	-0.1787 ppm
Concentration per Run	0.0020 ppm	0.2530 ppm	-0.0004 ppm	5.1927 ppm	0.0009 ppm	-0.0007 ppm	0.0025 ppm
Recovery Percentage	-44.117 %	41.060 %	-6.435 %	41.786 %	-141.245 %	-0.166 %	45.740 %
Concentration RSD	310.0 %	23.3 %	221.2 %	24.5 %	162.5 %	23.9 %	243.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0031 ppm	1.7679 ppm	-0.2476 ppm	0.1968 ppm	-0.2942 ppm	0.0013 ppm	-0.0539 ppm
Concentration per Run	0.0025 ppm	1.4541 ppm	-0.6685 ppm	0.1501 ppm	-0.8635 ppm	0.0014 ppm	-0.1529 ppm
Concentration per Run	0.0033 ppm	3.7425 ppm	-0.0744 ppm	0.1969 ppm	-0.0210 ppm	0.0013 ppm	-0.0090 ppm
Concentration per Run	0.0033 ppm	0.1070 ppm	0.0001 ppm	0.2436 ppm	0.0017 ppm	0.0013 ppm	0.0001 ppm
Recovery Percentage	0.614 %	33.674 %	-49.518 %	39.370 %	-58.848 %	0.265 %	-10.782 %
Concentration RSD	14.8 %	104.0 %	148.0 %	23.7 %	167.6 %	4.5 %	159.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0221 ppm	61.0024 %	166.0114 %	434.7008 %	67.7781 %	161.0929 %	431.7787 %
Concentration per Run	-0.0705 ppm	0.1472 %	185.7961 %	385.1060 %	-0.1194 %	180.3913 %	383.0030 %
Concentration per Run	0.0045 ppm	2.2061 %	163.6482 %	466.0304 %	2.0995 %	159.3968 %	450.5597 %
Concentration per Run	-0.0002 ppm	180.6539 %	148.5899 %	452.9659 %	201.3543 %	143.4906 %	461.7735 %
Recovery Percentage	-4.417 %						
Concentration RSD	190.2 %	169.9 %	11.3 %	10.0 %	170.7 %	11.5 %	9.9 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: CCB
Analysis started at: 11/28/2025 12:31:43 PM
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Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0064 ppm	-0.0017 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	-0.0042 ppm
Concentration per Run	-0.0003 ppm	0.0087 ppm	-0.0011 ppm	-0.0009 ppm	0.0000 ppm	0.0001 ppm	-0.0010 ppm
Concentration per Run	-0.0002 ppm	0.0093 ppm	-0.0028 ppm	0.0009 ppm	-0.0003 ppm	0.0000 ppm	-0.0041 ppm
Concentration per Run	0.0001 ppm	0.0011 ppm	-0.0011 ppm	0.0002 ppm	0.0003 ppm	0.0000 ppm	-0.0076 ppm
Recovery Percentage	-2.009 %	6.356 %	-33.418 %	0.286 %	0.162 %	0.944 %	-4.236 %
Concentration RSD	120.6 %	72.2 %	58.4 %	1,106.6 %	1,664.2 %	106.2 %	78.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0001 ppm	-0.0003 ppm	-0.0002 ppm	-0.0018 ppm	-0.0563 ppm	0.0012 ppm
Concentration per Run	0.0000 ppm	-0.0002 ppm	0.0003 ppm	-0.0001 ppm	-0.0023 ppm	-0.0657 ppm	0.0012 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	-0.0006 ppm	-0.0006 ppm	-0.0021 ppm	-0.0630 ppm	0.0030 ppm
Concentration per Run	-0.0001 ppm	0.0002 ppm	-0.0007 ppm	0.0000 ppm	-0.0008 ppm	-0.0402 ppm	-0.0005 ppm
Recovery Percentage	0.007 %	0.397 %	-3.353 %	-2.321 %	-3.504 %	-2.252 %	24.010 %
Concentration RSD	29,980.1 %	349.6 %	159.8 %	132.6 %	45.4 %	24.9 %	146.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0012 ppm	-0.0001 ppm	-0.0003 ppm	-0.0120 ppm	-0.0005 ppm	-0.0012 ppm	0.0005 ppm
Concentration per Run	-0.0024 ppm	-0.0003 ppm	-0.0004 ppm	-0.0115 ppm	-0.0013 ppm	-0.0019 ppm	-0.0014 ppm
Concentration per Run	0.0014 ppm	0.0000 ppm	-0.0005 ppm	-0.0121 ppm	0.0001 ppm	-0.0009 ppm	0.0024 ppm
Concentration per Run	-0.0027 ppm	0.0000 ppm	-0.0001 ppm	-0.0123 ppm	-0.0003 ppm	-0.0008 ppm	0.0005 ppm
Recovery Percentage	-1.235 %	-0.920 %	-0.660 %	-0.600 %	-2.004 %	-12.077 %	0.939 %
Concentration RSD	188.0 %	211.5 %	69.5 %	3.5 %	150.1 %	46.9 %	403.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0014 ppm	0.0033 ppm	0.0004 ppm	0.0002 ppm	-0.0001 ppm	0.0000 ppm	-0.0002 ppm
Concentration per Run	-0.0016 ppm	0.0022 ppm	-0.0004 ppm	0.0002 ppm	-0.0003 ppm	0.0003 ppm	-0.0003 ppm
Concentration per Run	0.0054 ppm	0.0023 ppm	0.0002 ppm	0.0002 ppm	-0.0002 ppm	0.0000 ppm	-0.0002 ppm
Concentration per Run	0.0005 ppm	0.0055 ppm	0.0014 ppm	0.0001 ppm	0.0001 ppm	-0.0003 ppm	-0.0002 ppm
Recovery Percentage	14.440 %	0.663 %	0.826 %	1.577 %	-1.498 %	0.078 %	-2.025 %
Concentration RSD	250.4 %	56.4 %	225.6 %	30.0 %	124.5 %	1,620.7 %	21.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0001 ppm	97.3115 %	97.0877 %	98.4596 %	97.3646 %	97.5871 %	98.0187 %
Concentration per Run	0.0002 ppm	96.6810 %	97.2552 %	98.5409 %	96.3221 %	98.1932 %	98.3344 %
Concentration per Run	0.0003 ppm	97.5128 %	96.4829 %	98.4497 %	97.6337 %	97.2078 %	97.7573 %
Concentration per Run	0.0000 ppm	97.7405 %	97.5251 %	98.3883 %	98.1381 %	97.3603 %	97.9645 %
Recovery Percentage	2.909 %						
Concentration RSD	82.3 %	0.6 %	0.6 %	0.1 %	1.0 %	0.5 %	0.3 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: CCV
Analysis started at: 11/28/2025 12:47:08 PM
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Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5075 ppm	0.4796 ppm	0.4774 ppm	0.4908 ppm	0.5017 ppm	0.5059 ppm	0.4893 ppm
Concentration per Run	0.5057 ppm	0.4733 ppm	0.4758 ppm	0.4861 ppm	0.4984 ppm	0.5036 ppm	0.4850 ppm
Concentration per Run	0.5086 ppm	0.4872 ppm	0.4816 ppm	0.4968 ppm	0.5007 ppm	0.5039 ppm	0.4895 ppm
Concentration per Run	0.5082 ppm	0.4783 ppm	0.4748 ppm	0.4897 ppm	0.5059 ppm	0.5102 ppm	0.4933 ppm
Recovery Percentage	101.502 %	95.921 %	95.481 %	98.170 %	100.331 %	101.174 %	97.850 %
Concentration RSD	0.3 %	1.5 %	0.8 %	1.1 %	0.8 %	0.7 %	0.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5170 ppm	0.5153 ppm	0.5170 ppm	0.5234 ppm	0.4914 ppm	5.1668 ppm	0.5198 ppm
Concentration per Run	0.5151 ppm	0.5131 ppm	0.5140 ppm	0.5222 ppm	0.4857 ppm	5.1278 ppm	0.5183 ppm
Concentration per Run	0.5198 ppm	0.5160 ppm	0.5187 ppm	0.5235 ppm	0.4916 ppm	5.1580 ppm	0.5174 ppm
Concentration per Run	0.5161 ppm	0.5167 ppm	0.5181 ppm	0.5246 ppm	0.4970 ppm	5.2148 ppm	0.5238 ppm
Recovery Percentage	103.395 %	103.052 %	103.391 %	104.687 %	98.284 %	103.337 %	103.967 %
Concentration RSD	0.5 %	0.4 %	0.5 %	0.2 %	1.1 %	0.9 %	0.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5069 ppm	0.5040 ppm	0.4913 ppm	10.2281 ppm	0.5162 ppm	0.4964 ppm	0.5119 ppm
Concentration per Run	0.5072 ppm	0.5020 ppm	0.4887 ppm	10.1626 ppm	0.5152 ppm	0.4964 ppm	0.5076 ppm
Concentration per Run	0.5085 ppm	0.5033 ppm	0.4942 ppm	10.1621 ppm	0.5191 ppm	0.4960 ppm	0.5143 ppm
Concentration per Run	0.5049 ppm	0.5068 ppm	0.4910 ppm	10.3596 ppm	0.5143 ppm	0.4970 ppm	0.5137 ppm
Recovery Percentage	101.377 %	100.802 %	98.257 %	102.281 %	103.241 %	99.290 %	102.372 %
Concentration RSD	0.4 %	0.5 %	0.6 %	1.1 %	0.5 %	0.1 %	0.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4783 ppm	5.4175 ppm	0.4951 ppm	0.4957 ppm	0.4981 ppm	0.4968 ppm	0.5148 ppm
Concentration per Run	0.4750 ppm	5.3839 ppm	0.4958 ppm	0.4916 ppm	0.4977 ppm	0.4944 ppm	0.5123 ppm
Concentration per Run	0.4787 ppm	5.4312 ppm	0.4957 ppm	0.4949 ppm	0.5006 ppm	0.4997 ppm	0.5163 ppm
Concentration per Run	0.4812 ppm	5.4373 ppm	0.4937 ppm	0.5005 ppm	0.4959 ppm	0.4963 ppm	0.5157 ppm
Recovery Percentage	95.656 %	103.190 %	99.018 %	99.139 %	99.611 %	99.362 %	102.956 %
Concentration RSD	0.6 %	0.5 %	0.2 %	0.9 %	0.5 %	0.5 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5095 ppm	99.0642 %	99.8080 %	98.9206 %	97.4147 %	97.9092 %	97.5863 %
Concentration per Run	0.5071 ppm	99.0416 %	101.0070 %	98.7781 %	97.5257 %	98.7352 %	97.5268 %
Concentration per Run	0.5131 ppm	98.7528 %	99.5398 %	99.2676 %	96.9144 %	97.5743 %	97.7207 %
Concentration per Run	0.5081 ppm	99.3983 %	98.8773 %	98.7161 %	97.8041 %	97.4180 %	97.5113 %
Recovery Percentage	101.891 %						
Concentration RSD	0.6 %	0.3 %	1.1 %	0.3 %	0.5 %	0.7 %	0.1 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: CCB
Analysis started at: 11/28/2025 12:49:29 PM
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Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0042 ppm	-0.0002 ppm	-0.0008 ppm	0.0002 ppm	0.0000 ppm	-0.0037 ppm
Concentration per Run	-0.0002 ppm	-0.0041 ppm	0.0005 ppm	-0.0019 ppm	0.0002 ppm	0.0001 ppm	-0.0053 ppm
Concentration per Run	0.0000 ppm	0.0128 ppm	-0.0013 ppm	0.0001 ppm	0.0000 ppm	0.0001 ppm	-0.0036 ppm
Concentration per Run	-0.0002 ppm	0.0040 ppm	0.0002 ppm	-0.0006 ppm	0.0002 ppm	0.0000 ppm	-0.0022 ppm
Recovery Percentage	-2.069 %	4.246 %	-3.641 %	-2.651 %	1.677 %	0.878 %	-3.709 %
Concentration RSD	57.5 %	199.5 %	517.4 %	132.0 %	62.2 %	137.6 %	41.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0004 ppm	-0.0001 ppm	-0.0004 ppm	-0.0019 ppm	-0.0511 ppm	0.0014 ppm
Concentration per Run	0.0000 ppm	-0.0002 ppm	0.0000 ppm	-0.0002 ppm	-0.0020 ppm	-0.0634 ppm	0.0019 ppm
Concentration per Run	0.0000 ppm	-0.0004 ppm	-0.0003 ppm	-0.0008 ppm	-0.0012 ppm	-0.0437 ppm	0.0012 ppm
Concentration per Run	0.0000 ppm	-0.0006 ppm	0.0000 ppm	-0.0001 ppm	-0.0025 ppm	-0.0462 ppm	0.0009 ppm
Recovery Percentage	-0.023 %	-2.001 %	-1.425 %	-3.627 %	-3.770 %	-2.044 %	27.071 %
Concentration RSD	1,773.7 %	47.5 %	125.2 %	93.6 %	36.0 %	21.0 %	37.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0003 ppm	-0.0076 ppm	-0.0002 ppm	-0.0006 ppm	0.0027 ppm
Concentration per Run	-0.0007 ppm	0.0001 ppm	0.0000 ppm	-0.0137 ppm	-0.0006 ppm	-0.0003 ppm	0.0013 ppm
Concentration per Run	0.0006 ppm	-0.0001 ppm	0.0005 ppm	-0.0039 ppm	0.0002 ppm	-0.0012 ppm	0.0033 ppm
Concentration per Run	0.0002 ppm	-0.0001 ppm	0.0003 ppm	-0.0052 ppm	-0.0003 ppm	-0.0003 ppm	0.0036 ppm
Recovery Percentage	0.010 %	-0.280 %	0.507 %	-0.381 %	-0.887 %	-6.226 %	5.438 %
Concentration RSD	6,697.9 %	469.7 %	97.9 %	70.0 %	178.3 %	86.3 %	45.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0001 ppm	0.0016 ppm	0.0011 ppm	0.0002 ppm	-0.0006 ppm	0.0001 ppm	-0.0002 ppm
Concentration per Run	0.0008 ppm	0.0025 ppm	0.0022 ppm	0.0003 ppm	-0.0003 ppm	0.0002 ppm	-0.0001 ppm
Concentration per Run	-0.0016 ppm	0.0004 ppm	0.0002 ppm	0.0001 ppm	-0.0006 ppm	-0.0007 ppm	-0.0001 ppm
Concentration per Run	0.0005 ppm	0.0018 ppm	0.0009 ppm	0.0001 ppm	-0.0009 ppm	0.0007 ppm	-0.0003 ppm
Recovery Percentage	-0.764 %	0.315 %	2.164 %	1.671 %	-5.726 %	0.315 %	-1.799 %
Concentration RSD	1,690.4 %	69.8 %	95.3 %	52.3 %	52.9 %	1,124.7 %	62.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0001 ppm	96.7952 %	96.2048 %	97.4319 %	97.3010 %	96.1075 %	97.1611 %
Concentration per Run	0.0002 ppm	96.5058 %	96.2322 %	97.1009 %	96.9281 %	96.5416 %	96.7674 %
Concentration per Run	0.0001 ppm	97.0018 %	96.7644 %	98.0403 %	97.8863 %	96.7386 %	97.6959 %
Concentration per Run	0.0000 ppm	96.8780 %	95.6179 %	97.1545 %	97.0885 %	95.0424 %	97.0201 %
Recovery Percentage	1.817 %						
Concentration RSD	115.4 %	0.3 %	0.6 %	0.5 %	0.5 %	1.0 %	0.5 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574497-02D2 WG2145767
Analysis started at: 11/28/2025 12:52:38 PM
Comment <Comment>
Rack Number 2
Vial Numbers 9

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0036 ppm	42.1404 ppm	0.2471 ppm	0.0126 ppm	0.3656 ppm	0.0026 ppm	6.7556 ppm
Concentration per Run	0.0029 ppm	42.0823 ppm	0.2475 ppm	0.0124 ppm	0.3635 ppm	0.0026 ppm	6.7346 ppm
Concentration per Run	0.0042 ppm	42.0193 ppm	0.2461 ppm	0.0129 ppm	0.3670 ppm	0.0026 ppm	6.7354 ppm
Concentration per Run	0.0038 ppm	42.3196 ppm	0.2478 ppm	0.0124 ppm	0.3664 ppm	0.0026 ppm	6.7966 ppm
Concentration RSD	18.8 %	0.4 %	0.4 %	2.3 %	0.5 %	1.5 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0022 ppm	0.0529 ppm	0.0872 ppm	0.2638 ppm	350.7662 [SIC 800]	3.8372 ppm	0.0510 ppm
Concentration per Run	0.0023 ppm	0.0520 ppm	0.0871 ppm	0.2630 ppm	349.5194 ppm	3.8257 ppm	0.0512 ppm
Concentration per Run	0.0023 ppm	0.0529 ppm	0.0875 ppm	0.2647 ppm	350.4486 ppm	3.8374 ppm	0.0523 ppm
Concentration per Run	0.0021 ppm	0.0538 ppm	0.0870 ppm	0.2636 ppm	352.3306 ppm	3.8485 ppm	0.0495 ppm
Concentration RSD	6.5 %	1.7 %	0.3 %	0.3 %	0.4 %	0.3 %	2.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	12.4296 ppm	3.3125 ppm	0.0142 ppm	0.9966 ppm	0.1371 ppm	0.2156 ppm	0.0002 ppm
Concentration per Run	12.3929 ppm	3.3058 ppm	0.0139 ppm	0.9937 ppm	0.1365 ppm	0.2163 ppm	-0.0002 ppm
Concentration per Run	12.4712 ppm	3.3096 ppm	0.0143 ppm	0.9970 ppm	0.1367 ppm	0.2143 ppm	0.0012 ppm
Concentration per Run	12.4246 ppm	3.3220 ppm	0.0145 ppm	0.9992 ppm	0.1380 ppm	0.2161 ppm	-0.0003 ppm
Concentration RSD	0.3 %	0.3 %	2.0 %	0.3 %	0.6 %	0.5 %	400.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0012 ppm	1.6919 ppm	0.0064 ppm	0.0448 ppm	0.5695 ppm	0.0003 ppm	0.1115 ppm
Concentration per Run	0.0012 ppm	1.6851 ppm	0.0062 ppm	0.0446 ppm	0.5672 ppm	-0.0008 ppm	0.1119 ppm
Concentration per Run	0.0020 ppm	1.6978 ppm	0.0054 ppm	0.0450 ppm	0.5707 ppm	0.0008 ppm	0.1115 ppm
Concentration per Run	0.0004 ppm	1.6927 ppm	0.0076 ppm	0.0450 ppm	0.5705 ppm	0.0008 ppm	0.1112 ppm
Concentration RSD	68.1 %	0.4 %	17.2 %	0.5 %	0.3 %	334.9 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.1208 ppm	99.8092 %	101.1661 %	92.6204 %	105.7820 %	109.4600 %	107.2206 %
Concentration per Run	1.1209 ppm	99.7482 %	101.7079 %	92.7718 %	105.6102 %	109.9844 %	107.0390 %
Concentration per Run	1.1206 ppm	99.4615 %	101.0580 %	92.7465 %	105.4192 %	109.1798 %	107.5007 %
Concentration per Run	1.1210 ppm	100.2179 %	100.7324 %	92.3428 %	106.3165 %	109.2159 %	107.1221 %
Concentration RSD	0.0 %	0.4 %	0.5 %	0.3 %	0.4 %	0.4 %	0.2 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574497-03D2 WG2145767
Analysis started at: 11/28/2025 12:54:48 PM
Comment <Comment>
Rack Number 2
Vial Numbers 10

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0024 ppm	59.0737 ppm	0.1802 ppm	0.0087 ppm	0.3650 ppm	0.0036 ppm	5.9274 ppm
Concentration per Run	0.0020 ppm	59.1595 ppm	0.1797 ppm	0.0079 ppm	0.3641 ppm	0.0036 ppm	5.9424 ppm
Concentration per Run	0.0026 ppm	59.0849 ppm	0.1811 ppm	0.0096 ppm	0.3644 ppm	0.0036 ppm	5.9332 ppm
Concentration per Run	0.0026 ppm	58.9766 ppm	0.1798 ppm	0.0086 ppm	0.3663 ppm	0.0035 ppm	5.9067 ppm
Concentration RSD	13.5 %	0.2 %	0.4 %	10.1 %	0.3 %	0.8 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0027 ppm	0.0811 ppm	0.0955 ppm	0.3181 ppm	267.1140 ppm	4.1158 ppm	0.0839 ppm
Concentration per Run	0.0029 ppm	0.0816 ppm	0.0957 ppm	0.3179 ppm	266.7495 ppm	4.1219 ppm	0.0850 ppm
Concentration per Run	0.0027 ppm	0.0812 ppm	0.0963 ppm	0.3188 ppm	267.8220 ppm	4.1274 ppm	0.0851 ppm
Concentration per Run	0.0027 ppm	0.0804 ppm	0.0944 ppm	0.3175 ppm	266.7704 ppm	4.0980 ppm	0.0815 ppm
Concentration RSD	4.3 %	0.8 %	1.0 %	0.2 %	0.2 %	0.4 %	2.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	17.7781 ppm	7.4788 ppm	0.0145 ppm	0.1494 ppm	0.1831 ppm	0.1865 ppm	0.0020 ppm
Concentration per Run	17.7514 ppm	7.4868 ppm	0.0144 ppm	0.1477 ppm	0.1834 ppm	0.1847 ppm	0.0036 ppm
Concentration per Run	17.7986 ppm	7.4751 ppm	0.0145 ppm	0.1498 ppm	0.1834 ppm	0.1894 ppm	0.0008 ppm
Concentration per Run	17.7842 ppm	7.4747 ppm	0.0146 ppm	0.1506 ppm	0.1825 ppm	0.1854 ppm	0.0017 ppm
Concentration RSD	0.1 %	0.1 %	0.7 %	1.0 %	0.3 %	1.3 %	69.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0017 ppm	2.0166 ppm	0.0066 ppm	0.0405 ppm	0.9444 ppm	0.0005 ppm	0.1207 ppm
Concentration per Run	0.0023 ppm	2.0186 ppm	0.0078 ppm	0.0405 ppm	0.9420 ppm	0.0003 ppm	0.1205 ppm
Concentration per Run	0.0004 ppm	2.0175 ppm	0.0069 ppm	0.0404 ppm	0.9449 ppm	0.0011 ppm	0.1209 ppm
Concentration per Run	0.0023 ppm	2.0138 ppm	0.0052 ppm	0.0405 ppm	0.9462 ppm	0.0002 ppm	0.1209 ppm
Concentration RSD	65.0 %	0.1 %	19.6 %	0.2 %	0.2 %	97.2 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0729 ppm	100.4296 %	100.7934 %	93.4097 %	118.8220 %	121.8180 %	120.0203 %
Concentration per Run	1.0774 ppm	100.0418 %	100.5787 %	93.5688 %	118.3656 %	121.7668 %	120.2254 %
Concentration per Run	1.0732 ppm	100.0854 %	100.7414 %	93.1370 %	118.2764 %	121.9275 %	119.8987 %
Concentration per Run	1.0681 ppm	101.1615 %	101.0600 %	93.5234 %	119.8239 %	121.7598 %	119.9368 %
Concentration RSD	0.4 %	0.6 %	0.2 %	0.3 %	0.7 %	0.1 %	0.1 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: WG2147040-4D2 WG2147040
Analysis started at: 11/28/2025 12:56:58 PM
Comment <Comment>
Rack Number 2
Vial Numbers 11

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0386 ppm	11.9918 ppm	0.1051 ppm	0.7368 ppm	1.8012 ppm	0.0345 ppm	11.4293 ppm
Concentration per Run	0.0388 ppm	11.9881 ppm	0.1035 ppm	0.7364 ppm	1.7917 ppm	0.0344 ppm	11.4054 ppm
Concentration per Run	0.0386 ppm	11.9584 ppm	0.1065 ppm	0.7335 ppm	1.8004 ppm	0.0346 ppm	11.4138 ppm
Concentration per Run	0.0384 ppm	12.0288 ppm	0.1053 ppm	0.7404 ppm	1.8116 ppm	0.0346 ppm	11.4686 ppm
Concentration RSD	0.6 %	0.3 %	1.5 %	0.5 %	0.6 %	0.2 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0759 ppm	0.3351 ppm	0.1479 ppm	0.2205 ppm	14.2305 ppm	8.0794 ppm	0.8087 ppm
Concentration per Run	0.0760 ppm	0.3350 ppm	0.1482 ppm	0.2202 ppm	14.1895 ppm	8.0400 ppm	0.7934 ppm
Concentration per Run	0.0759 ppm	0.3357 ppm	0.1478 ppm	0.2204 ppm	14.2435 ppm	8.0943 ppm	0.8034 ppm
Concentration per Run	0.0757 ppm	0.3346 ppm	0.1477 ppm	0.2209 ppm	14.2585 ppm	8.1040 ppm	0.8295 ppm
Concentration RSD	0.2 %	0.2 %	0.2 %	0.2 %	0.3 %	0.4 %	2.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	8.0365 ppm	0.6060 ppm	0.7156 ppm	7.7990 ppm	0.3561 ppm	1.0662 ppm	0.2712 ppm
Concentration per Run	8.0404 ppm	0.6046 ppm	0.7158 ppm	7.7517 ppm	0.3543 ppm	1.0677 ppm	0.2743 ppm
Concentration per Run	8.0254 ppm	0.6043 ppm	0.7154 ppm	7.7807 ppm	0.3577 ppm	1.0653 ppm	0.2714 ppm
Concentration per Run	8.0437 ppm	0.6090 ppm	0.7157 ppm	7.8646 ppm	0.3563 ppm	1.0655 ppm	0.2680 ppm
Concentration RSD	0.1 %	0.4 %	0.0 %	0.8 %	0.5 %	0.1 %	1.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0872 ppm	3.2263 ppm	0.7200 ppm	0.7681 ppm	0.9150 ppm	0.0921 ppm	0.3800 ppm
Concentration per Run	0.0877 ppm	3.2249 ppm	0.7233 ppm	0.7642 ppm	0.9161 ppm	0.0921 ppm	0.3798 ppm
Concentration per Run	0.0879 ppm	3.2280 ppm	0.7155 ppm	0.7679 ppm	0.9139 ppm	0.0925 ppm	0.3801 ppm
Concentration per Run	0.0858 ppm	3.2259 ppm	0.7211 ppm	0.7724 ppm	0.9150 ppm	0.0916 ppm	0.3801 ppm
Concentration RSD	1.3 %	0.0 %	0.6 %	0.5 %	0.1 %	0.5 %	0.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	5.8233 ppm	97.4595 %	98.1957 %	96.3984 %	96.1804 %	98.2717 %	98.1816 %
Concentration per Run	5.8280 ppm	97.0611 %	98.2354 %	95.6506 %	96.1810 %	97.9495 %	97.2075 %
Concentration per Run	5.8023 ppm	97.9552 %	98.8562 %	96.6292 %	96.8613 %	98.7281 %	98.5673 %
Concentration per Run	5.8394 ppm	97.3624 %	97.4954 %	96.9155 %	95.4987 %	98.1375 %	98.7701 %
Concentration RSD	0.3 %	0.5 %	0.7 %	0.7 %	0.7 %	0.4 %	0.9 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: LDR 1000 Ca
Analysis started at: 11/28/2025 12:59:08 PM
Comment <Comment>
Rack Number 2
Vial Numbers 12

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0003 ppm	-0.0007 ppm	-0.0018 ppm	0.0006 ppm	0.0025 ppm	0.0000 ppm	998.2057 ppm
Concentration per Run	-0.0004 ppm	-0.0044 ppm	-0.0013 ppm	-0.0003 ppm	0.0023 ppm	0.0000 ppm	994.9106 ppm
Concentration per Run	0.0006 ppm	0.0011 ppm	-0.0015 ppm	0.0016 ppm	0.0026 ppm	0.0001 ppm	998.8507 ppm
Concentration per Run	-0.0011 ppm	0.0013 ppm	-0.0027 ppm	0.0004 ppm	0.0025 ppm	0.0000 ppm	1,000.8559 ppm
Concentration RSD	278.6 %	490.3 %	41.0 %	171.7 %	7.2 %	52.6 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0097 ppm	0.0002 ppm	0.0001 ppm	0.0008 ppm	0.0024 ppm	-0.0243 ppm	0.0751 ppm
Concentration per Run	0.0099 ppm	0.0007 ppm	-0.0002 ppm	0.0011 ppm	0.0023 ppm	-0.0003 ppm	0.0608 ppm
Concentration per Run	0.0095 ppm	0.0001 ppm	0.0005 ppm	0.0007 ppm	0.0017 ppm	-0.0338 ppm	0.0912 ppm
Concentration per Run	0.0098 ppm	0.0000 ppm	0.0001 ppm	0.0008 ppm	0.0032 ppm	-0.0387 ppm	0.0732 ppm
Concentration RSD	2.1 %	170.2 %	290.0 %	23.2 %	31.8 %	86.0 %	20.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0057 ppm	0.0003 ppm	0.0003 ppm	0.0061 ppm	0.0003 ppm	-0.0006 ppm	0.0041 ppm
Concentration per Run	0.0071 ppm	0.0003 ppm	0.0006 ppm	0.0079 ppm	0.0001 ppm	-0.0009 ppm	0.0042 ppm
Concentration per Run	0.0039 ppm	0.0002 ppm	-0.0001 ppm	0.0047 ppm	-0.0005 ppm	-0.0006 ppm	0.0077 ppm
Concentration per Run	0.0060 ppm	0.0003 ppm	0.0005 ppm	0.0056 ppm	0.0012 ppm	-0.0003 ppm	0.0006 ppm
Concentration RSD	29.3 %	6.8 %	115.7 %	27.6 %	339.3 %	48.7 %	85.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0009 ppm	0.0102 ppm	0.0005 ppm	-0.0051 ppm	0.0006 ppm	0.0012 ppm	0.0007 ppm
Concentration per Run	-0.0004 ppm	0.0108 ppm	-0.0009 ppm	-0.0050 ppm	0.0000 ppm	0.0001 ppm	0.0005 ppm
Concentration per Run	0.0012 ppm	0.0064 ppm	0.0003 ppm	-0.0051 ppm	0.0012 ppm	-0.0003 ppm	0.0010 ppm
Concentration per Run	0.0018 ppm	0.0133 ppm	0.0022 ppm	-0.0052 ppm	0.0007 ppm	0.0039 ppm	0.0007 ppm
Concentration RSD	136.0 %	34.2 %	296.4 %	1.9 %	95.1 %	191.7 %	39.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0016 ppm	86.0550 %	91.8714 %	80.3092 %	85.6589 %	92.3656 %	86.7614 %
Concentration per Run	0.0017 ppm	85.9929 %	91.9300 %	79.9599 %	85.6386 %	92.3510 %	86.5001 %
Concentration per Run	0.0012 ppm	86.1118 %	92.2696 %	80.2960 %	85.5687 %	92.9103 %	86.8499 %
Concentration per Run	0.0018 ppm	86.0602 %	91.4147 %	80.6716 %	85.7693 %	91.8355 %	86.9343 %
Concentration RSD	21.9 %	0.1 %	0.5 %	0.4 %	0.1 %	0.6 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574432-10D10 WG2145767
Analysis started at: 11/28/2025 1:09:45 PM
Comment <Comment>
Rack Number 2
Vial Numbers 13

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	16.7276 ppm	0.0028 ppm	0.0301 ppm	0.0712 ppm	0.0005 ppm	217.3286 ppm
Concentration per Run	0.0000 ppm	16.7935 ppm	0.0020 ppm	0.0291 ppm	0.0713 ppm	0.0005 ppm	217.5360 ppm
Concentration per Run	0.0001 ppm	16.6943 ppm	0.0027 ppm	0.0299 ppm	0.0710 ppm	0.0006 ppm	217.2134 ppm
Concentration per Run	0.0002 ppm	16.6949 ppm	0.0037 ppm	0.0312 ppm	0.0712 ppm	0.0005 ppm	217.2364 ppm
Concentration RSD	133.0 %	0.3 %	30.4 %	3.6 %	0.2 %	4.9 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0046 ppm	0.0143 ppm	0.0171 ppm	14.4986 ppm	0.4671 ppm	0.0177 ppm
Concentration per Run	-0.0001 ppm	0.0048 ppm	0.0142 ppm	0.0170 ppm	14.4605 ppm	0.4936 ppm	0.0175 ppm
Concentration per Run	0.0000 ppm	0.0042 ppm	0.0148 ppm	0.0171 ppm	14.5344 ppm	0.4537 ppm	0.0164 ppm
Concentration per Run	0.0000 ppm	0.0049 ppm	0.0141 ppm	0.0173 ppm	14.5008 ppm	0.4540 ppm	0.0191 ppm
Concentration RSD	74.3 %	8.1 %	2.6 %	0.9 %	0.3 %	4.9 %	7.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	10.8416 ppm	0.2852 ppm	0.0000 ppm	0.3605 ppm	0.0099 ppm	0.0034 ppm	0.0010 ppm
Concentration per Run	10.8360 ppm	0.2865 ppm	0.0000 ppm	0.3678 ppm	0.0096 ppm	0.0034 ppm	0.0005 ppm
Concentration per Run	10.8619 ppm	0.2852 ppm	0.0002 ppm	0.3591 ppm	0.0104 ppm	0.0029 ppm	0.0015 ppm
Concentration per Run	10.8269 ppm	0.2840 ppm	-0.0002 ppm	0.3546 ppm	0.0098 ppm	0.0039 ppm	0.0009 ppm
Concentration RSD	0.2 %	0.4 %	2,207.2 %	1.9 %	4.1 %	14.7 %	50.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0009 ppm	5.4869 ppm	0.0020 ppm	0.3260 ppm	0.6228 ppm	0.0010 ppm	0.0184 ppm
Concentration per Run	0.0015 ppm	5.5067 ppm	0.0031 ppm	0.3230 ppm	0.6214 ppm	0.0008 ppm	0.0188 ppm
Concentration per Run	0.0020 ppm	5.4814 ppm	0.0011 ppm	0.3278 ppm	0.6228 ppm	0.0017 ppm	0.0182 ppm
Concentration per Run	-0.0008 ppm	5.4726 ppm	0.0018 ppm	0.3271 ppm	0.6243 ppm	0.0005 ppm	0.0182 ppm
Concentration RSD	165.0 %	0.3 %	50.1 %	0.8 %	0.2 %	64.2 %	1.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0211 ppm	95.2421 %	97.7262 %	90.7161 %	95.1572 %	98.6052 %	96.2274 %
Concentration per Run	0.0212 ppm	95.5813 %	97.4336 %	90.0670 %	95.5815 %	98.8025 %	95.8710 %
Concentration per Run	0.0211 ppm	95.4108 %	97.7604 %	90.7928 %	95.3150 %	98.4586 %	96.4916 %
Concentration per Run	0.0210 ppm	94.7341 %	97.9845 %	91.2884 %	94.5752 %	98.5546 %	96.3197 %
Concentration RSD	0.5 %	0.5 %	0.3 %	0.7 %	0.5 %	0.2 %	0.3 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2574497-02D4 WG2145767
Analysis started at: 11/28/2025 1:12:06 PM
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Rack Number 2
Vial Numbers 14

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0011 ppm	21.7152 ppm	0.1327 ppm	0.0054 ppm	0.1884 ppm	0.0014 ppm	3.4818 ppm
Concentration per Run	0.0014 ppm	21.6643 ppm	0.1310 ppm	0.0055 ppm	0.1876 ppm	0.0013 ppm	3.4666 ppm
Concentration per Run	0.0008 ppm	21.7375 ppm	0.1336 ppm	0.0054 ppm	0.1883 ppm	0.0014 ppm	3.4841 ppm
Concentration per Run	0.0011 ppm	21.7440 ppm	0.1334 ppm	0.0054 ppm	0.1892 ppm	0.0014 ppm	3.4949 ppm
Concentration RSD	30.6 %	0.2 %	1.1 %	1.1 %	0.4 %	2.6 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0008 ppm	0.0279 ppm	0.0467 ppm	0.1357 ppm	185.8012 ppm	1.9172 ppm	0.0276 ppm
Concentration per Run	0.0009 ppm	0.0276 ppm	0.0463 ppm	0.1357 ppm	184.7560 ppm	1.9013 ppm	0.0268 ppm
Concentration per Run	0.0007 ppm	0.0284 ppm	0.0467 ppm	0.1361 ppm	186.0922 ppm	1.9197 ppm	0.0275 ppm
Concentration per Run	0.0008 ppm	0.0276 ppm	0.0469 ppm	0.1352 ppm	186.5553 ppm	1.9306 ppm	0.0286 ppm
Concentration RSD	10.2 %	1.7 %	0.7 %	0.3 %	0.5 %	0.8 %	3.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	6.5318 ppm	1.7112 ppm	0.0072 ppm	0.5079 ppm	0.0729 ppm	0.1090 ppm	0.0024 ppm
Concentration per Run	6.5092 ppm	1.7153 ppm	0.0069 ppm	0.5077 ppm	0.0726 ppm	0.1085 ppm	0.0013 ppm
Concentration per Run	6.5338 ppm	1.7067 ppm	0.0076 ppm	0.5050 ppm	0.0725 ppm	0.1086 ppm	0.0016 ppm
Concentration per Run	6.5524 ppm	1.7117 ppm	0.0072 ppm	0.5111 ppm	0.0735 ppm	0.1099 ppm	0.0041 ppm
Concentration RSD	0.3 %	0.3 %	4.4 %	0.6 %	0.8 %	0.7 %	63.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0041 ppm	0.8838 ppm	0.0030 ppm	0.0231 ppm	0.2895 ppm	0.0003 ppm	0.0585 ppm
Concentration per Run	-0.0003 ppm	0.8781 ppm	0.0024 ppm	0.0230 ppm	0.2886 ppm	0.0000 ppm	0.0581 ppm
Concentration per Run	0.0058 ppm	0.8870 ppm	0.0033 ppm	0.0229 ppm	0.2910 ppm	0.0013 ppm	0.0590 ppm
Concentration per Run	0.0069 ppm	0.8862 ppm	0.0031 ppm	0.0232 ppm	0.2890 ppm	-0.0003 ppm	0.0584 ppm
Concentration RSD	94.8 %	0.6 %	16.0 %	0.7 %	0.4 %	256.1 %	0.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5940 ppm	98.7159 %	100.0659 %	96.1848 %	101.1143 %	103.8267 %	103.3561 %
Concentration per Run	0.5891 ppm	98.6075 %	100.2328 %	95.9517 %	100.9547 %	103.5301 %	103.1346 %
Concentration per Run	0.5983 ppm	98.4891 %	100.2335 %	96.8731 %	100.8863 %	104.0794 %	104.1826 %
Concentration per Run	0.5947 ppm	99.0513 %	99.7314 %	95.7297 %	101.5019 %	103.8707 %	102.7510 %
Concentration RSD	0.8 %	0.3 %	0.3 %	0.6 %	0.3 %	0.3 %	0.7 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: CCV
Analysis started at: 11/28/2025 1:18:30 PM
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Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5114 ppm	0.4901 ppm	0.4864 ppm	0.4892 ppm	0.5075 ppm	0.5117 ppm	0.4989 ppm
Concentration per Run	0.5127 ppm	0.4796 ppm	0.4872 ppm	0.4898 ppm	0.5077 ppm	0.5114 ppm	0.4933 ppm
Concentration per Run	0.5090 ppm	0.4994 ppm	0.4842 ppm	0.4875 ppm	0.5080 ppm	0.5111 ppm	0.5008 ppm
Concentration per Run	0.5126 ppm	0.4913 ppm	0.4877 ppm	0.4904 ppm	0.5069 ppm	0.5126 ppm	0.5027 ppm
Recovery Percentage	102.287 %	98.014 %	97.274 %	97.849 %	101.510 %	102.343 %	99.789 %
Concentration RSD	0.4 %	2.0 %	0.4 %	0.3 %	0.1 %	0.2 %	1.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5213 ppm	0.5198 ppm	0.5214 ppm	0.5254 ppm	0.5005 ppm	5.2239 ppm	0.5253 ppm
Concentration per Run	0.5225 ppm	0.5201 ppm	0.5207 ppm	0.5240 ppm	0.5005 ppm	5.2375 ppm	0.5283 ppm
Concentration per Run	0.5173 ppm	0.5177 ppm	0.5205 ppm	0.5243 ppm	0.5038 ppm	5.2207 ppm	0.5249 ppm
Concentration per Run	0.5242 ppm	0.5217 ppm	0.5229 ppm	0.5281 ppm	0.4972 ppm	5.2135 ppm	0.5227 ppm
Recovery Percentage	104.264 %	103.969 %	104.273 %	105.088 %	100.104 %	104.478 %	105.067 %
Concentration RSD	0.7 %	0.4 %	0.3 %	0.4 %	0.7 %	0.2 %	0.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5069 ppm	0.5127 ppm	0.4936 ppm	10.3099 ppm	0.5206 ppm	0.5022 ppm	0.5134 ppm
Concentration per Run	0.5060 ppm	0.5113 ppm	0.4952 ppm	10.2886 ppm	0.5210 ppm	0.5012 ppm	0.5130 ppm
Concentration per Run	0.5024 ppm	0.5135 ppm	0.4904 ppm	10.2679 ppm	0.5181 ppm	0.5027 ppm	0.5112 ppm
Concentration per Run	0.5122 ppm	0.5133 ppm	0.4953 ppm	10.3733 ppm	0.5227 ppm	0.5026 ppm	0.5160 ppm
Recovery Percentage	101.374 %	102.541 %	98.725 %	103.099 %	104.116 %	100.433 %	102.679 %
Concentration RSD	1.0 %	0.2 %	0.6 %	0.5 %	0.4 %	0.2 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4813 ppm	5.4558 ppm	0.5007 ppm	0.5021 ppm	0.5020 ppm	0.5032 ppm	0.5175 ppm
Concentration per Run	0.4803 ppm	5.4561 ppm	0.5050 ppm	0.5023 ppm	0.5045 ppm	0.5041 ppm	0.5175 ppm
Concentration per Run	0.4831 ppm	5.4066 ppm	0.4953 ppm	0.5014 ppm	0.5000 ppm	0.5030 ppm	0.5148 ppm
Concentration per Run	0.4805 ppm	5.5046 ppm	0.5019 ppm	0.5026 ppm	0.5015 ppm	0.5024 ppm	0.5203 ppm
Recovery Percentage	96.252 %	103.920 %	100.148 %	100.422 %	100.401 %	100.637 %	103.501 %
Concentration RSD	0.3 %	0.9 %	1.0 %	0.1 %	0.5 %	0.2 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5150 ppm	98.5146 %	98.0041 %	98.8725 %	96.5035 %	96.5867 %	97.6995 %
Concentration per Run	0.5170 ppm	98.5197 %	98.6814 %	99.2081 %	95.9581 %	97.0787 %	98.0070 %
Concentration per Run	0.5110 ppm	99.1259 %	97.8160 %	98.4757 %	97.4901 %	96.5630 %	97.1964 %
Concentration per Run	0.5171 ppm	97.8982 %	97.5149 %	98.9338 %	96.0622 %	96.1184 %	97.8951 %
Recovery Percentage	102.998 %						
Concentration RSD	0.7 %	0.6 %	0.6 %	0.4 %	0.9 %	0.5 %	0.4 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: CCB
Analysis started at: 11/28/2025 1:20:46 PM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0090 ppm	-0.0017 ppm	0.0009 ppm	0.0002 ppm	0.0000 ppm	-0.0017 ppm
Concentration per Run	-0.0003 ppm	0.0130 ppm	-0.0021 ppm	0.0015 ppm	0.0001 ppm	0.0000 ppm	-0.0039 ppm
Concentration per Run	-0.0001 ppm	0.0106 ppm	-0.0005 ppm	0.0003 ppm	0.0001 ppm	0.0001 ppm	-0.0006 ppm
Concentration per Run	0.0000 ppm	0.0035 ppm	-0.0026 ppm	0.0009 ppm	0.0003 ppm	0.0000 ppm	-0.0006 ppm
Recovery Percentage	-2.054 %	9.046 %	-34.676 %	2.952 %	1.730 %	0.889 %	-1.689 %
Concentration RSD	108.1 %	54.2 %	65.6 %	67.0 %	48.9 %	97.4 %	114.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0003 ppm	-0.0005 ppm	-0.0002 ppm	-0.0011 ppm	-0.0561 ppm	0.0021 ppm
Concentration per Run	-0.0001 ppm	0.0001 ppm	-0.0004 ppm	0.0000 ppm	-0.0015 ppm	-0.0412 ppm	0.0021 ppm
Concentration per Run	-0.0001 ppm	-0.0005 ppm	-0.0004 ppm	-0.0003 ppm	-0.0010 ppm	-0.0771 ppm	0.0024 ppm
Concentration per Run	0.0001 ppm	-0.0003 ppm	-0.0008 ppm	-0.0003 ppm	-0.0007 ppm	-0.0501 ppm	0.0018 ppm
Recovery Percentage	-0.813 %	-1.355 %	-5.225 %	-2.105 %	-2.149 %	-2.246 %	41.988 %
Concentration RSD	197.3 %	118.0 %	39.5 %	74.4 %	37.9 %	33.3 %	13.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0007 ppm	0.0000 ppm	0.0003 ppm	-0.0085 ppm	-0.0007 ppm	-0.0008 ppm	0.0025 ppm
Concentration per Run	0.0003 ppm	0.0002 ppm	0.0003 ppm	-0.0078 ppm	-0.0014 ppm	-0.0008 ppm	0.0027 ppm
Concentration per Run	-0.0009 ppm	-0.0002 ppm	0.0003 ppm	-0.0088 ppm	-0.0004 ppm	-0.0005 ppm	0.0012 ppm
Concentration per Run	-0.0014 ppm	0.0000 ppm	0.0002 ppm	-0.0089 ppm	-0.0004 ppm	-0.0012 ppm	0.0038 ppm
Recovery Percentage	-0.675 %	-0.120 %	0.506 %	-0.425 %	-2.879 %	-8.268 %	5.080 %
Concentration RSD	125.0 %	1,518.9 %	30.7 %	7.4 %	81.5 %	46.1 %	50.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0015 ppm	0.0011 ppm	0.0000 ppm	0.0001 ppm	-0.0003 ppm	0.0002 ppm	-0.0001 ppm
Concentration per Run	0.0020 ppm	0.0019 ppm	0.0003 ppm	0.0002 ppm	-0.0003 ppm	-0.0001 ppm	-0.0002 ppm
Concentration per Run	0.0001 ppm	0.0009 ppm	0.0000 ppm	0.0000 ppm	-0.0006 ppm	0.0009 ppm	0.0002 ppm
Concentration per Run	0.0024 ppm	0.0004 ppm	-0.0003 ppm	0.0001 ppm	0.0000 ppm	-0.0003 ppm	-0.0003 ppm
Recovery Percentage	15.148 %	0.215 %	0.071 %	0.928 %	-3.012 %	0.784 %	-1.137 %
Concentration RSD	80.7 %	71.5 %	869.1 %	89.0 %	96.4 %	402.2 %	211.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	97.1350 %	96.8009 %	97.8615 %	97.0329 %	96.6802 %	97.6480 %
Concentration per Run	0.0001 ppm	96.9771 %	96.1066 %	97.9627 %	96.7960 %	95.9924 %	97.9697 %
Concentration per Run	-0.0001 ppm	97.1753 %	96.9069 %	97.7475 %	97.0025 %	96.8935 %	97.4994 %
Concentration per Run	0.0005 ppm	97.2525 %	97.3893 %	97.8743 %	97.3003 %	97.1548 %	97.4749 %
Recovery Percentage	3.542 %						
Concentration RSD	175.8 %	0.1 %	0.7 %	0.1 %	0.3 %	0.6 %	0.3 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: WG2146050-1 WG2146050
Analysis started at: 11/28/2025 1:23:03 PM
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Rack Number 2
Vial Numbers 15

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0127 ppm	-0.0014 ppm	0.0014 ppm	0.0007 ppm	0.0000 ppm	0.0129 ppm
Concentration per Run	-0.0003 ppm	0.0090 ppm	-0.0016 ppm	0.0016 ppm	0.0007 ppm	0.0000 ppm	0.0133 ppm
Concentration per Run	0.0001 ppm	0.0196 ppm	-0.0017 ppm	0.0003 ppm	0.0006 ppm	0.0000 ppm	0.0124 ppm
Concentration per Run	0.0001 ppm	0.0094 ppm	-0.0009 ppm	0.0025 ppm	0.0007 ppm	-0.0001 ppm	0.0129 ppm
Recovery Percentage	-0.349 %	12.682 %	-28.225 %	4.783 %	6.845 %	-0.622 %	12.875 %
Concentration RSD	1,029.7 %	47.6 %	29.7 %	76.6 %	10.2 %	115.8 %	3.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0003 ppm	0.0003 ppm	-0.0002 ppm	0.0239 ppm	-0.0410 ppm	0.0009 ppm
Concentration per Run	0.0000 ppm	-0.0006 ppm	0.0003 ppm	0.0002 ppm	0.0244 ppm	-0.0462 ppm	-0.0003 ppm
Concentration per Run	0.0001 ppm	-0.0003 ppm	0.0007 ppm	0.0000 ppm	0.0240 ppm	-0.0420 ppm	-0.0004 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	-0.0009 ppm	0.0233 ppm	-0.0347 ppm	0.0034 ppm
Recovery Percentage	0.506 %	-1.461 %	3.063 %	-2.253 %	47.842 %	-1.639 %	17.717 %
Concentration RSD	151.1 %	86.2 %	141.5 %	272.1 %	2.3 %	14.2 %	246.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0049 ppm	0.0006 ppm	-0.0003 ppm	-0.0066 ppm	-0.0005 ppm	-0.0011 ppm	0.0011 ppm
Concentration per Run	0.0056 ppm	0.0003 ppm	-0.0006 ppm	-0.0105 ppm	-0.0013 ppm	-0.0008 ppm	0.0007 ppm
Concentration per Run	0.0037 ppm	0.0008 ppm	0.0000 ppm	0.0046 ppm	0.0002 ppm	-0.0016 ppm	0.0033 ppm
Concentration per Run	0.0054 ppm	0.0006 ppm	-0.0004 ppm	-0.0140 ppm	-0.0004 ppm	-0.0010 ppm	-0.0006 ppm
Recovery Percentage	4.885 %	5.853 %	-0.647 %	-0.330 %	-1.986 %	-11.137 %	2.242 %
Concentration RSD	21.7 %	38.7 %	88.8 %	149.3 %	150.9 %	37.1 %	173.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0054 ppm	0.0108 ppm	0.0100 ppm	0.0002 ppm	-0.0003 ppm	-0.0006 ppm	-0.0002 ppm
Concentration per Run	0.0076 ppm	0.0114 ppm	0.0121 ppm	0.0001 ppm	0.0001 ppm	-0.0007 ppm	-0.0001 ppm
Concentration per Run	0.0048 ppm	0.0104 ppm	0.0083 ppm	0.0002 ppm	-0.0007 ppm	-0.0010 ppm	-0.0002 ppm
Concentration per Run	0.0036 ppm	0.0106 ppm	0.0097 ppm	0.0002 ppm	-0.0001 ppm	0.0001 ppm	-0.0004 ppm
Recovery Percentage	53.554 %	2.156 %	20.056 %	1.917 %	-2.596 %	-2.763 %	-2.238 %
Concentration RSD	38.0 %	5.3 %	18.9 %	25.7 %	165.1 %	97.9 %	57.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0013 ppm	97.9536 %	97.9376 %	97.8574 %	97.5694 %	97.9334 %	98.5468 %
Concentration per Run	0.0014 ppm	97.6659 %	97.5552 %	97.5123 %	97.1405 %	97.7536 %	98.1081 %
Concentration per Run	0.0015 ppm	98.1071 %	98.1411 %	97.8488 %	97.8578 %	98.0487 %	98.7874 %
Concentration per Run	0.0011 ppm	98.0877 %	98.1164 %	98.2112 %	97.7099 %	97.9979 %	98.7448 %
Recovery Percentage	26.478 %						
Concentration RSD	17.9 %	0.3 %	0.3 %	0.4 %	0.4 %	0.2 %	0.4 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: WG2146050-2D2 WG2146050
Analysis started at: 11/28/2025 1:25:13 PM
Comment <Comment>
Rack Number 2
Vial Numbers 16

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0481 ppm	1.9401 ppm	0.1183 ppm	1.0014 ppm	1.9472 ppm	0.0490 ppm	10.3453 ppm
Concentration per Run	0.0487 ppm	1.9515 ppm	0.1191 ppm	1.0053 ppm	1.9501 ppm	0.0491 ppm	10.3807 ppm
Concentration per Run	0.0476 ppm	1.9145 ppm	0.1175 ppm	0.9948 ppm	1.9284 ppm	0.0486 ppm	10.2420 ppm
Concentration per Run	0.0479 ppm	1.9542 ppm	0.1182 ppm	1.0040 ppm	1.9632 ppm	0.0492 ppm	10.4131 ppm
Concentration RSD	1.2 %	1.1 %	0.7 %	0.6 %	0.9 %	0.7 %	0.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0548 ppm	0.4776 ppm	0.1953 ppm	0.2454 ppm	0.9622 ppm	10.7306 ppm	1.1346 ppm
Concentration per Run	0.0553 ppm	0.4818 ppm	0.1961 ppm	0.2466 ppm	0.9671 ppm	10.7510 ppm	1.1174 ppm
Concentration per Run	0.0545 ppm	0.4737 ppm	0.1937 ppm	0.2438 ppm	0.9555 ppm	10.6321 ppm	1.1205 ppm
Concentration per Run	0.0546 ppm	0.4772 ppm	0.1961 ppm	0.2457 ppm	0.9641 ppm	10.8088 ppm	1.1658 ppm
Concentration RSD	0.7 %	0.8 %	0.7 %	0.6 %	0.6 %	0.8 %	2.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	10.2608 ppm	0.4827 ppm	1.0141 ppm	10.5418 ppm	0.4840 ppm	0.5308 ppm	0.5166 ppm
Concentration per Run	10.2858 ppm	0.4848 ppm	1.0222 ppm	10.5520 ppm	0.4863 ppm	0.5312 ppm	0.5205 ppm
Concentration per Run	10.2019 ppm	0.4779 ppm	1.0079 ppm	10.4201 ppm	0.4834 ppm	0.5293 ppm	0.5179 ppm
Concentration per Run	10.2946 ppm	0.4855 ppm	1.0122 ppm	10.6533 ppm	0.4822 ppm	0.5317 ppm	0.5115 ppm
Concentration RSD	0.5 %	0.9 %	0.7 %	1.1 %	0.4 %	0.2 %	0.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1194 ppm	0.5349 ppm	1.0148 [SIC 50]	1.0064 ppm	1.0286 ppm	0.1197 ppm	0.4977 ppm
Concentration per Run	0.1204 ppm	0.5358 ppm	1.0210 ppm	1.0084 ppm	1.0242 ppm	0.1209 ppm	0.5016 ppm
Concentration per Run	0.1188 ppm	0.5291 ppm	1.0107 ppm	0.9948 ppm	1.0290 ppm	0.1191 ppm	0.4951 ppm
Concentration per Run	0.1189 ppm	0.5398 ppm	1.0126 ppm	1.0159 ppm	1.0326 ppm	0.1191 ppm	0.4963 ppm
Concentration RSD	0.8 %	1.0 %	0.5 %	1.1 %	0.4 %	0.8 %	0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4821 ppm	96.9755 %	97.9387 %	95.8844 %	95.4372 %	96.5120 %	96.1179 %
Concentration per Run	0.4870 ppm	96.5881 %	97.8501 %	95.2411 %	95.2102 %	96.8688 %	95.5652 %
Concentration per Run	0.4784 ppm	97.4374 %	98.7574 %	96.4649 %	95.5932 %	96.4783 %	96.6953 %
Concentration per Run	0.4810 ppm	96.9011 %	97.2085 %	95.9473 %	95.5083 %	96.1887 %	96.0933 %
Concentration RSD	0.9 %	0.4 %	0.8 %	0.6 %	0.2 %	0.4 %	0.6 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: eL2573385-01D2 WG2146050
Analysis started at: 11/28/2025 1:27:23 PM
Comment <Comment>
Rack Number 2
Vial Numbers 17

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	87.3894 ppm	0.0343 ppm	0.1714 ppm	0.6172 ppm	0.0028 ppm	1,505.1132 [SIC 1000]
Concentration per Run	0.0002 ppm	87.4476 ppm	0.0376 ppm	0.1728 ppm	0.6184 ppm	0.0029 ppm	1,509.3892 ppm
Concentration per Run	0.0007 ppm	87.3670 ppm	0.0318 ppm	0.1697 ppm	0.6188 ppm	0.0028 ppm	1,501.5869 ppm
Concentration per Run	-0.0001 ppm	87.3535 ppm	0.0335 ppm	0.1717 ppm	0.6145 ppm	0.0028 ppm	1,504.3635 ppm
Concentration RSD	169.9 %	0.1 %	8.8 %	0.9 %	0.4 %	1.9 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0012 ppm	0.0370 ppm	0.1969 ppm	0.2236 ppm	144.1383 ppm	12.3366 ppm	0.2900 ppm
Concentration per Run	0.0013 ppm	0.0366 ppm	0.1960 ppm	0.2231 ppm	144.6744 ppm	12.4410 ppm	0.2826 ppm
Concentration per Run	0.0011 ppm	0.0376 ppm	0.1956 ppm	0.2238 ppm	143.9601 ppm	12.3143 ppm	0.2955 ppm
Concentration per Run	0.0011 ppm	0.0369 ppm	0.1990 ppm	0.2241 ppm	143.7804 ppm	12.2544 ppm	0.2921 ppm
Concentration RSD	10.4 %	1.3 %	0.9 %	0.2 %	0.3 %	0.8 %	2.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	431.4548 ppm	5.0996 ppm	0.0129 ppm	9.2979 ppm	0.1258 ppm	0.0847 ppm	0.0008 ppm
Concentration per Run	432.2641 ppm	5.1075 ppm	0.0139 ppm	9.3224 ppm	0.1254 ppm	0.0836 ppm	-0.0004 ppm
Concentration per Run	430.1793 ppm	5.1058 ppm	0.0122 ppm	9.3519 ppm	0.1251 ppm	0.0857 ppm	0.0024 ppm
Concentration per Run	431.9209 ppm	5.0856 ppm	0.0125 ppm	9.2195 ppm	0.1269 ppm	0.0849 ppm	0.0004 ppm
Concentration RSD	0.3 %	0.2 %	7.3 %	0.7 %	0.7 %	1.3 %	184.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0012 ppm	29.9246 [SIC 100]	0.0207 ppm	4.0728 ppm	2.6592 ppm	0.0002 ppm	0.1218 ppm
Concentration per Run	-0.0005 ppm	29.9648 ppm	0.0195 ppm	4.0891 ppm	2.6498 ppm	0.0028 ppm	0.1218 ppm
Concentration per Run	0.0043 ppm	29.7281 ppm	0.0210 ppm	4.0689 ppm	2.6618 ppm	-0.0016 ppm	0.1213 ppm
Concentration per Run	-0.0002 ppm	30.0811 ppm	0.0216 ppm	4.0605 ppm	2.6661 ppm	-0.0007 ppm	0.1224 ppm
Concentration RSD	227.7 %	0.6 %	5.1 %	0.4 %	0.3 %	1,538.9 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4286 ppm	84.9581 %	93.9478 %	76.2410 %	94.3899 %	105.2167 %	95.3025 %
Concentration per Run	0.4298 ppm	85.2306 %	93.9754 %	76.0966 %	94.3436 %	105.3766 %	94.9828 %
Concentration per Run	0.4272 ppm	84.9552 %	93.9240 %	76.3041 %	94.4694 %	105.4421 %	95.5562 %
Concentration per Run	0.4287 ppm	84.6884 %	93.9440 %	76.3223 %	94.3567 %	104.8312 %	95.3685 %
Concentration RSD	0.3 %	0.3 %	0.0 %	0.2 %	0.1 %	0.3 %	0.3 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: eWG2146050-7D2 WG2146050
Analysis started at: 11/28/2025 1:29:33 PM
Comment <Comment>
Rack Number 2
Vial Numbers 18

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0499 ppm	109.0111 ppm	0.1340 ppm	1.0850 ppm	2.5710 ppm	0.0493 ppm	1,691.4363 [SIC 1000]
Concentration per Run	0.0495 ppm	109.4433 ppm	0.1334 ppm	1.0791 ppm	2.5847 ppm	0.0496 ppm	1,699.9479 ppm
Concentration per Run	0.0500 ppm	109.2899 ppm	0.1366 ppm	1.0840 ppm	2.5723 ppm	0.0493 ppm	1,694.5111 ppm
Concentration per Run	0.0502 ppm	108.3003 ppm	0.1318 ppm	1.0919 ppm	2.5559 ppm	0.0490 ppm	1,679.8500 ppm
Concentration RSD	0.8 %	0.6 %	1.8 %	0.6 %	0.6 %	0.5 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0484 ppm	0.4457 ppm	0.3014 ppm	0.3848 ppm	124.5423 ppm	25.1229 ppm	1.5311 ppm
Concentration per Run	0.0483 ppm	0.4448 ppm	0.3005 ppm	0.3840 ppm	125.0785 ppm	25.2299 ppm	1.5943 ppm
Concentration per Run	0.0485 ppm	0.4449 ppm	0.2997 ppm	0.3831 ppm	124.3230 ppm	25.1797 ppm	1.5279 ppm
Concentration per Run	0.0484 ppm	0.4473 ppm	0.3039 ppm	0.3871 ppm	124.2253 ppm	24.9592 ppm	1.4712 ppm
Concentration RSD	0.3 %	0.3 %	0.7 %	0.5 %	0.4 %	0.6 %	4.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	528.6544 [SIC 1000]	5.7740 ppm	0.9016 ppm	16.1441 ppm	0.5156 ppm	0.5848 ppm	0.2313 ppm
Concentration per Run	526.6516 ppm	5.7830 ppm	0.8938 ppm	16.2287 ppm	0.5145 ppm	0.5827 ppm	0.2347 ppm
Concentration per Run	529.2749 ppm	5.8006 ppm	0.9017 ppm	16.2542 ppm	0.5160 ppm	0.5868 ppm	0.2262 ppm
Concentration per Run	530.0367 ppm	5.7383 ppm	0.9093 ppm	15.9494 ppm	0.5164 ppm	0.5848 ppm	0.2330 ppm
Concentration RSD	0.3 %	0.6 %	0.9 %	1.0 %	0.2 %	0.3 %	1.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1215 ppm	92.7997 [SIC 100]	0.8620 ppm	5.0615 ppm	3.9478 ppm	0.1047 ppm	0.6089 ppm
Concentration per Run	0.1165 ppm	92.3685 ppm	0.8662 ppm	5.0838 ppm	3.9396 ppm	0.1048 ppm	0.6068 ppm
Concentration per Run	0.1236 ppm	92.8212 ppm	0.8573 ppm	5.0746 ppm	3.9545 ppm	0.1042 ppm	0.6075 ppm
Concentration per Run	0.1243 ppm	93.2095 ppm	0.8627 ppm	5.0261 ppm	3.9493 ppm	0.1051 ppm	0.6123 ppm
Concentration RSD	3.6 %	0.5 %	0.5 %	0.6 %	0.2 %	0.5 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.4203 ppm	84.4789 %	93.5039 %	74.2637 %	95.2757 %	106.3924 %	95.8041 %
Concentration per Run	1.4187 ppm	84.3367 %	93.0435 %	74.3207 %	95.0739 %	106.3142 %	95.4741 %
Concentration per Run	1.4159 ppm	84.7385 %	93.5269 %	74.2895 %	95.3910 %	106.6620 %	96.2634 %
Concentration per Run	1.4261 ppm	84.3616 %	93.9412 %	74.1810 %	95.3621 %	106.2010 %	95.6748 %
Concentration RSD	0.4 %	0.3 %	0.5 %	0.1 %	0.2 %	0.2 %	0.4 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: eWG2146050-8D2 WG2146050
Analysis started at: 11/28/2025 1:31:42 PM
Comment <Comment>
Rack Number 2
Vial Numbers 19

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0501 ppm	88.1138 ppm	0.1364 ppm	1.0736 ppm	2.4701 ppm	0.0501 ppm	1,488.8497 [SIC 1000]
Concentration per Run	0.0499 ppm	88.2371 ppm	0.1365 ppm	1.0700 ppm	2.4834 ppm	0.0503 ppm	1,493.6338 ppm
Concentration per Run	0.0504 ppm	88.1608 ppm	0.1362 ppm	1.0669 ppm	2.4725 ppm	0.0502 ppm	1,488.6532 ppm
Concentration per Run	0.0499 ppm	87.9437 ppm	0.1365 ppm	1.0838 ppm	2.4545 ppm	0.0498 ppm	1,484.2620 ppm
Concentration RSD	0.6 %	0.2 %	0.1 %	0.8 %	0.6 %	0.6 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0491 ppm	0.4469 ppm	0.2823 ppm	0.3596 ppm	106.0276 ppm	27.6672 ppm	1.4884 ppm
Concentration per Run	0.0489 ppm	0.4472 ppm	0.2792 ppm	0.3578 ppm	106.2879 ppm	27.8057 ppm	1.5227 ppm
Concentration per Run	0.0490 ppm	0.4438 ppm	0.2823 ppm	0.3584 ppm	106.2122 ppm	27.6845 ppm	1.4829 ppm
Concentration per Run	0.0495 ppm	0.4497 ppm	0.2855 ppm	0.3626 ppm	105.5826 ppm	27.5113 ppm	1.4594 ppm
Concentration RSD	0.7 %	0.7 %	1.1 %	0.7 %	0.4 %	0.5 %	2.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	520.3836 [SIC 1000]	4.2507 ppm	0.9255 ppm	20.1688 ppm	0.5096 ppm	0.6130 ppm	0.3145 ppm
Concentration per Run	518.7695 ppm	4.2601 ppm	0.9212 ppm	20.2618 ppm	0.5050 ppm	0.6120 ppm	0.3124 ppm
Concentration per Run	521.7672 ppm	4.2573 ppm	0.9233 ppm	20.2219 ppm	0.5099 ppm	0.6139 ppm	0.3177 ppm
Concentration per Run	520.6140 ppm	4.2347 ppm	0.9320 ppm	20.0228 ppm	0.5138 ppm	0.6130 ppm	0.3135 ppm
Concentration RSD	0.3 %	0.3 %	0.6 %	0.6 %	0.9 %	0.1 %	0.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1211 ppm	131.5451 [SIC 100]	0.8802 ppm	4.4821 ppm	3.3566 ppm	0.1074 ppm	0.5892 ppm
Concentration per Run	0.1183 ppm	131.2527 ppm	0.8777 ppm	4.5124 ppm	3.3514 ppm	0.1046 ppm	0.5862 ppm
Concentration per Run	0.1240 ppm	130.7698 ppm	0.8777 ppm	4.4838 ppm	3.3547 ppm	0.1107 ppm	0.5868 ppm
Concentration per Run	0.1211 ppm	132.6128 ppm	0.8851 ppm	4.4503 ppm	3.3636 ppm	0.1068 ppm	0.5947 ppm
Concentration RSD	2.4 %	0.7 %	0.5 %	0.7 %	0.2 %	2.9 %	0.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.7372 ppm	84.8099 %	92.3694 %	74.3873 %	93.5774 %	103.2050 %	93.7524 %
Concentration per Run	0.7317 ppm	85.6453 %	92.2287 %	74.2955 %	94.0587 %	103.5915 %	93.7671 %
Concentration per Run	0.7367 ppm	84.2923 %	92.1812 %	74.2229 %	93.1376 %	102.7672 %	93.7499 %
Concentration per Run	0.7432 ppm	84.4920 %	92.6984 %	74.6436 %	93.5360 %	103.2562 %	93.7403 %
Concentration RSD	0.8 %	0.9 %	0.3 %	0.3 %	0.5 %	0.4 %	0.0 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: eWG2146050-9D2 WG2146050
Analysis started at: 11/28/2025 1:33:52 PM
Comment <Comment>
Rack Number 2
Vial Numbers 20

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0609 ppm	91.2262 ppm	0.1483 ppm	1.1601 ppm	2.7870 ppm	0.0557 ppm	1,552.1081 [SIC 1000]
Concentration per Run	0.1046 ppm	91.6982 ppm	0.1495 ppm	1.1575 ppm	2.7887 ppm	0.0557 ppm	1,558.6325 ppm
Concentration per Run	0.0389 ppm	90.8021 ppm	0.1487 ppm	1.1609 ppm	2.7719 ppm	0.0556 ppm	1,549.9939 ppm
Concentration per Run	0.0393 ppm	91.1782 ppm	0.1468 ppm	1.1619 ppm	2.8005 ppm	0.0559 ppm	1,547.6980 ppm
Concentration RSD	62.0 %	0.5 %	0.9 %	0.2 %	0.5 %	0.3 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0528 ppm	0.5164 ppm	0.4102 ppm	0.4996 ppm	147.4799 ppm	24.7086 ppm	0.2891 ppm
Concentration per Run	0.0526 ppm	0.5144 ppm	0.4094 ppm	0.4992 ppm	147.6366 ppm	24.6986 ppm	0.2840 ppm
Concentration per Run	0.0529 ppm	0.5172 ppm	0.4110 ppm	0.4991 ppm	146.7121 ppm	24.6503 ppm	0.2883 ppm
Concentration per Run	0.0528 ppm	0.5176 ppm	0.4101 ppm	0.5005 ppm	148.0911 ppm	24.7769 ppm	0.2951 ppm
Concentration RSD	0.3 %	0.3 %	0.2 %	0.2 %	0.5 %	0.3 %	1.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	453.7217 ppm	5.7306 ppm	1.0139 ppm	21.0221 ppm	0.6090 ppm	0.6131 ppm	0.5249 ppm
Concentration per Run	452.2803 ppm	5.7460 ppm	1.0068 ppm	21.0551 ppm	0.6046 ppm	0.6149 ppm	0.5245 ppm
Concentration per Run	455.1333 ppm	5.7203 ppm	1.0177 ppm	20.9830 ppm	0.6117 ppm	0.6126 ppm	0.5311 ppm
Concentration per Run	453.7516 ppm	5.7256 ppm	1.0173 ppm	21.0282 ppm	0.6107 ppm	0.6119 ppm	0.5189 ppm
Concentration RSD	0.3 %	0.2 %	0.6 %	0.2 %	0.6 %	0.3 %	1.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1337 ppm	34.4887 [SIC 100]	0.9583 ppm	5.1858 ppm	3.7832 ppm	0.1120 ppm	0.6828 ppm
Concentration per Run	0.1319 ppm	34.4133 ppm	0.9559 ppm	5.1846 ppm	3.7887 ppm	0.1133 ppm	0.6801 ppm
Concentration per Run	0.1349 ppm	34.5623 ppm	0.9618 ppm	5.1691 ppm	3.7813 ppm	0.1091 ppm	0.6833 ppm
Concentration per Run	0.1342 ppm	34.4906 ppm	0.9572 ppm	5.2036 ppm	3.7796 ppm	0.1136 ppm	0.6850 ppm
Concentration RSD	1.2 %	0.2 %	0.3 %	0.3 %	0.1 %	2.2 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.9201 ppm	84.2321 %	92.9779 %	75.2888 %	94.2951 %	104.1943 %	94.8607 %
Concentration per Run	0.9176 ppm	84.6296 %	92.2617 %	74.9721 %	94.6447 %	103.5791 %	94.2697 %
Concentration per Run	0.9226 ppm	83.5580 %	93.1581 %	75.3019 %	93.4547 %	104.5253 %	94.8374 %
Concentration per Run	0.9199 ppm	84.5086 %	93.5139 %	75.5924 %	94.7858 %	104.4785 %	95.4750 %
Concentration RSD	0.3 %	0.7 %	0.7 %	0.4 %	0.8 %	0.5 %	0.6 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: zWG2146050-10D10 WG2146050
Analysis started at: 11/28/2025 1:36:02 PM
Comment <Comment>
Rack Number 2
Vial Numbers 21

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	17.7582 ppm	0.0066 ppm	0.0367 ppm	0.1265 ppm	0.0006 ppm	334.0358 ppm
Concentration per Run	-0.0003 ppm	17.8239 ppm	0.0100 ppm	0.0359 ppm	0.1265 ppm	0.0006 ppm	335.1771 ppm
Concentration per Run	-0.0001 ppm	17.7826 ppm	0.0046 ppm	0.0374 ppm	0.1265 ppm	0.0006 ppm	333.4472 ppm
Concentration per Run	0.0005 ppm	17.6681 ppm	0.0051 ppm	0.0367 ppm	0.1265 ppm	0.0006 ppm	333.4831 ppm
Concentration RSD	1,426.4 %	0.5 %	45.5 %	1.9 %	0.0 %	4.4 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0003 ppm	0.0082 ppm	0.0408 ppm	0.0458 ppm	31.2552 ppm	2.4194 ppm	0.0402 ppm
Concentration per Run	0.0002 ppm	0.0084 ppm	0.0404 ppm	0.0456 ppm	31.3705 ppm	2.4284 ppm	0.0422 ppm
Concentration per Run	0.0003 ppm	0.0081 ppm	0.0414 ppm	0.0462 ppm	31.2322 ppm	2.4111 ppm	0.0438 ppm
Concentration per Run	0.0003 ppm	0.0081 ppm	0.0404 ppm	0.0456 ppm	31.1627 ppm	2.4185 ppm	0.0347 ppm
Concentration RSD	27.0 %	2.4 %	1.4 %	0.7 %	0.3 %	0.4 %	12.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	93.5550 ppm	1.0945 ppm	0.0028 ppm	1.8658 ppm	0.0266 ppm	0.0165 ppm	0.0028 ppm
Concentration per Run	93.3994 ppm	1.0986 ppm	0.0031 ppm	1.8891 ppm	0.0254 ppm	0.0163 ppm	0.0012 ppm
Concentration per Run	93.7316 ppm	1.0942 ppm	0.0026 ppm	1.8404 ppm	0.0269 ppm	0.0165 ppm	0.0027 ppm
Concentration per Run	93.5338 ppm	1.0906 ppm	0.0027 ppm	1.8679 ppm	0.0276 ppm	0.0168 ppm	0.0044 ppm
Concentration RSD	0.2 %	0.4 %	10.2 %	1.3 %	4.2 %	1.5 %	57.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0030 ppm	5.9628 ppm	0.0057 ppm	0.8402 ppm	0.5505 ppm	0.0017 ppm	0.0245 ppm
Concentration per Run	0.0034 ppm	5.9354 ppm	0.0061 ppm	0.8388 ppm	0.5492 ppm	0.0017 ppm	0.0242 ppm
Concentration per Run	0.0024 ppm	5.9684 ppm	0.0053 ppm	0.8381 ppm	0.5509 ppm	0.0010 ppm	0.0246 ppm
Concentration per Run	0.0031 ppm	5.9846 ppm	0.0057 ppm	0.8435 ppm	0.5513 ppm	0.0024 ppm	0.0248 ppm
Concentration RSD	16.6 %	0.4 %	6.7 %	0.3 %	0.2 %	39.9 %	1.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0929 ppm	91.7841 %	95.0307 %	86.5364 %	93.1757 %	96.5330 %	93.8022 %
Concentration per Run	0.0928 ppm	91.9723 %	94.3564 %	87.1679 %	93.0643 %	96.3788 %	94.3250 %
Concentration per Run	0.0930 ppm	91.6064 %	95.5788 %	85.4426 %	93.2231 %	96.9797 %	92.8666 %
Concentration per Run	0.0930 ppm	91.7735 %	95.1570 %	86.9987 %	93.2399 %	96.2406 %	94.2149 %
Concentration RSD	0.1 %	0.2 %	0.7 %	1.1 %	0.1 %	0.4 %	0.9 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: CCV
Analysis started at: 11/28/2025 1:51:28 PM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5116 ppm	0.4870 ppm	0.4821 ppm	0.4915 ppm	0.5087 ppm	0.5103 ppm	0.4946 ppm
Concentration per Run	0.5100 ppm	0.4909 ppm	0.4852 ppm	0.4878 ppm	0.5101 ppm	0.5112 ppm	0.4983 ppm
Concentration per Run	0.5126 ppm	0.4852 ppm	0.4759 ppm	0.4942 ppm	0.5049 ppm	0.5080 ppm	0.4887 ppm
Concentration per Run	0.5122 ppm	0.4849 ppm	0.4850 ppm	0.4925 ppm	0.5110 ppm	0.5117 ppm	0.4968 ppm
Recovery Percentage	102.322 %	97.408 %	96.410 %	98.309 %	101.736 %	102.058 %	98.919 %
Concentration RSD	0.3 %	0.7 %	1.1 %	0.7 %	0.6 %	0.4 %	1.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5212 ppm	0.5196 ppm	0.5233 ppm	0.5248 ppm	0.4996 ppm	5.2501 ppm	0.5283 ppm
Concentration per Run	0.5172 ppm	0.5176 ppm	0.5240 ppm	0.5223 ppm	0.5030 ppm	5.2537 ppm	0.5299 ppm
Concentration per Run	0.5240 ppm	0.5215 ppm	0.5235 ppm	0.5269 ppm	0.4938 ppm	5.2296 ppm	0.5216 ppm
Concentration per Run	0.5225 ppm	0.5197 ppm	0.5224 ppm	0.5253 ppm	0.5021 ppm	5.2669 ppm	0.5335 ppm
Recovery Percentage	104.249 %	103.922 %	104.655 %	104.968 %	99.930 %	105.002 %	105.664 %
Concentration RSD	0.7 %	0.4 %	0.2 %	0.4 %	1.0 %	0.4 %	1.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5083 ppm	0.5151 ppm	0.4932 ppm	10.3330 ppm	0.5207 ppm	0.4989 ppm	0.5148 ppm
Concentration per Run	0.5089 ppm	0.5160 ppm	0.4899 ppm	10.3259 ppm	0.5179 ppm	0.4975 ppm	0.5129 ppm
Concentration per Run	0.5052 ppm	0.5119 ppm	0.4952 ppm	10.2992 ppm	0.5233 ppm	0.4996 ppm	0.5152 ppm
Concentration per Run	0.5109 ppm	0.5174 ppm	0.4945 ppm	10.3739 ppm	0.5209 ppm	0.4996 ppm	0.5162 ppm
Recovery Percentage	101.664 %	103.020 %	98.641 %	103.330 %	104.146 %	99.778 %	102.956 %
Concentration RSD	0.6 %	0.6 %	0.6 %	0.4 %	0.5 %	0.2 %	0.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4801 ppm	5.4563 ppm	0.4976 ppm	0.5026 ppm	0.5028 ppm	0.4977 ppm	0.5170 ppm
Concentration per Run	0.4759 ppm	5.4089 ppm	0.4996 ppm	0.5039 ppm	0.5018 ppm	0.4974 ppm	0.5137 ppm
Concentration per Run	0.4804 ppm	5.4739 ppm	0.4936 ppm	0.4993 ppm	0.5024 ppm	0.4961 ppm	0.5188 ppm
Concentration per Run	0.4840 ppm	5.4862 ppm	0.4996 ppm	0.5048 ppm	0.5044 ppm	0.4996 ppm	0.5184 ppm
Recovery Percentage	96.017 %	103.930 %	99.517 %	100.528 %	100.570 %	99.534 %	103.391 %
Concentration RSD	0.8 %	0.8 %	0.7 %	0.6 %	0.3 %	0.4 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5125 ppm	98.4675 %	98.2047 %	98.6971 %	96.7920 %	97.2559 %	97.5678 %
Concentration per Run	0.5095 ppm	98.8090 %	97.9338 %	98.3036 %	96.9703 %	96.6888 %	97.1059 %
Concentration per Run	0.5145 ppm	98.4586 %	98.7303 %	98.7850 %	96.7028 %	97.8966 %	97.7004 %
Concentration per Run	0.5135 ppm	98.1349 %	97.9500 %	99.0027 %	96.7028 %	97.1822 %	97.8972 %
Recovery Percentage	102.503 %						
Concentration RSD	0.5 %	0.3 %	0.5 %	0.4 %	0.2 %	0.6 %	0.4 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: CCB
Analysis started at: 11/28/2025 1:53:48 PM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0039 ppm	0.0001 ppm	-0.0004 ppm	0.0001 ppm	0.0000 ppm	-0.0019 ppm
Concentration per Run	-0.0001 ppm	0.0047 ppm	-0.0005 ppm	-0.0016 ppm	0.0001 ppm	0.0001 ppm	-0.0032 ppm
Concentration per Run	0.0001 ppm	-0.0033 ppm	-0.0001 ppm	0.0003 ppm	0.0001 ppm	0.0000 ppm	-0.0015 ppm
Concentration per Run	-0.0003 ppm	0.0102 ppm	0.0007 ppm	0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0009 ppm
Recovery Percentage	-1.406 %	3.879 %	1.042 %	-1.230 %	1.014 %	1.183 %	-1.871 %
Concentration RSD	201.6 %	174.6 %	1,130.2 %	287.0 %	25.1 %	117.1 %	64.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0001 ppm	0.0000 ppm	-0.0005 ppm	-0.0031 ppm	-0.0190 ppm	0.0005 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	-0.0002 ppm	-0.0004 ppm	-0.0027 ppm	-0.0244 ppm	-0.0030 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	0.0004 ppm	-0.0007 ppm	-0.0045 ppm	-0.0030 ppm	0.0011 ppm
Concentration per Run	-0.0001 ppm	-0.0001 ppm	-0.0002 ppm	-0.0006 ppm	-0.0022 ppm	-0.0296 ppm	0.0032 ppm
Recovery Percentage	0.095 %	0.298 %	-0.086 %	-5.332 %	-6.236 %	-0.759 %	9.110 %
Concentration RSD	2,375.4 %	412.9 %	4,255.3 %	27.4 %	39.2 %	74.4 %	695.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0001 ppm	0.0000 ppm	-0.0001 ppm	-0.0019 ppm	-0.0004 ppm	-0.0012 ppm	0.0028 ppm
Concentration per Run	0.0011 ppm	-0.0001 ppm	-0.0006 ppm	0.0045 ppm	0.0004 ppm	-0.0004 ppm	0.0000 ppm
Concentration per Run	-0.0001 ppm	0.0000 ppm	0.0001 ppm	-0.0061 ppm	-0.0008 ppm	-0.0009 ppm	0.0048 ppm
Concentration per Run	-0.0008 ppm	0.0002 ppm	0.0003 ppm	-0.0040 ppm	-0.0007 ppm	-0.0023 ppm	0.0035 ppm
Recovery Percentage	0.063 %	-0.088 %	-0.185 %	-0.094 %	-1.513 %	-11.969 %	5.516 %
Concentration RSD	1,500.1 %	1,676.5 %	497.9 %	300.7 %	169.0 %	85.3 %	89.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0012 ppm	0.0024 ppm	0.0002 ppm	0.0001 ppm	-0.0001 ppm	-0.0006 ppm	-0.0005 ppm
Concentration per Run	0.0035 ppm	0.0026 ppm	0.0010 ppm	0.0000 ppm	-0.0002 ppm	-0.0019 ppm	-0.0005 ppm
Concentration per Run	-0.0026 ppm	0.0034 ppm	0.0003 ppm	0.0001 ppm	0.0002 ppm	-0.0002 ppm	-0.0004 ppm
Concentration per Run	0.0027 ppm	0.0013 ppm	-0.0006 ppm	0.0000 ppm	-0.0002 ppm	0.0002 ppm	-0.0005 ppm
Recovery Percentage	11.855 %	0.486 %	0.494 %	0.554 %	-0.797 %	-3.234 %	-4.610 %
Concentration RSD	279.2 %	42.7 %	320.2 %	65.4 %	274.2 %	173.9 %	12.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	97.4134 %	96.2605 %	97.9447 %	97.6387 %	96.0391 %	97.5293 %
Concentration per Run	0.0000 ppm	98.1993 %	95.0866 %	98.3439 %	98.1361 %	95.5212 %	97.7287 %
Concentration per Run	0.0002 ppm	97.0033 %	98.2886 %	97.5797 %	96.9406 %	97.6457 %	97.4590 %
Concentration per Run	0.0002 ppm	97.0377 %	95.4064 %	97.9105 %	97.8394 %	94.9503 %	97.4003 %
Recovery Percentage	3.125 %						
Concentration RSD	84.4 %	0.7 %	1.8 %	0.4 %	0.6 %	1.5 %	0.2 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2573385-01D10 WG2146050
Analysis started at: 11/28/2025 2:08:06 PM
Comment <Comment>
Rack Number 2
Vial Numbers 22

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	17.7814 ppm	0.0074 ppm	0.0351 ppm	0.1266 ppm	0.0006 ppm	334.6943 ppm
Concentration per Run	0.0001 ppm	17.7907 ppm	0.0087 ppm	0.0358 ppm	0.1273 ppm	0.0006 ppm	335.3147 ppm
Concentration per Run	-0.0004 ppm	17.7655 ppm	0.0076 ppm	0.0343 ppm	0.1264 ppm	0.0006 ppm	334.2288 ppm
Concentration per Run	-0.0004 ppm	17.7882 ppm	0.0060 ppm	0.0352 ppm	0.1262 ppm	0.0006 ppm	334.5395 ppm
Concentration RSD	132.3 %	0.1 %	18.7 %	2.1 %	0.5 %	3.4 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0003 ppm	0.0085 ppm	0.0419 ppm	0.0462 ppm	31.4569 ppm	2.4376 ppm	0.0493 ppm
Concentration per Run	0.0003 ppm	0.0086 ppm	0.0417 ppm	0.0455 ppm	31.5650 ppm	2.4766 ppm	0.0496 ppm
Concentration per Run	0.0003 ppm	0.0085 ppm	0.0413 ppm	0.0466 ppm	31.4210 ppm	2.4011 ppm	0.0455 ppm
Concentration per Run	0.0002 ppm	0.0084 ppm	0.0425 ppm	0.0464 ppm	31.3847 ppm	2.4351 ppm	0.0528 ppm
Concentration RSD	19.5 %	1.3 %	1.5 %	1.2 %	0.3 %	1.6 %	7.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	94.1475 ppm	1.0995 ppm	0.0023 ppm	1.8667 ppm	0.0279 ppm	0.0161 ppm	0.0011 ppm
Concentration per Run	94.0090 ppm	1.1031 ppm	0.0020 ppm	1.8659 ppm	0.0282 ppm	0.0169 ppm	0.0013 ppm
Concentration per Run	94.1446 ppm	1.0973 ppm	0.0027 ppm	1.8689 ppm	0.0277 ppm	0.0146 ppm	-0.0002 ppm
Concentration per Run	94.2889 ppm	1.0981 ppm	0.0021 ppm	1.8653 ppm	0.0279 ppm	0.0167 ppm	0.0020 ppm
Concentration RSD	0.1 %	0.3 %	16.2 %	0.1 %	0.9 %	7.9 %	105.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0005 ppm	6.0020 ppm	0.0047 ppm	0.8399 ppm	0.5562 ppm	0.0012 ppm	0.0248 ppm
Concentration per Run	-0.0016 ppm	5.9732 ppm	0.0044 ppm	0.8456 ppm	0.5542 ppm	0.0008 ppm	0.0247 ppm
Concentration per Run	0.0011 ppm	6.0272 ppm	0.0054 ppm	0.8384 ppm	0.5576 ppm	0.0032 ppm	0.0247 ppm
Concentration per Run	0.0021 ppm	6.0057 ppm	0.0042 ppm	0.8358 ppm	0.5568 ppm	-0.0005 ppm	0.0250 ppm
Concentration RSD	353.9 %	0.5 %	13.5 %	0.6 %	0.3 %	163.5 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0942 ppm	91.3938 %	95.2681 %	86.0791 %	92.6258 %	96.5338 %	93.0641 %
Concentration per Run	0.0938 ppm	91.8879 %	95.5001 %	86.1702 %	92.8235 %	96.9351 %	93.0781 %
Concentration per Run	0.0950 ppm	91.4227 %	95.5118 %	86.1582 %	92.9376 %	96.6023 %	93.2890 %
Concentration per Run	0.0938 ppm	90.8707 %	94.7925 %	85.9089 %	92.1162 %	96.0640 %	92.8253 %
Concentration RSD	0.7 %	0.6 %	0.4 %	0.2 %	0.5 %	0.5 %	0.2 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2146050-7D10 WG2146050
Analysis started at: 11/28/2025 2:10:23 PM
Comment <Comment>
Rack Number 2
Vial Numbers 23

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0097 ppm	22.4073 ppm	0.0298 ppm	0.2328 ppm	0.5350 ppm	0.0105 ppm	384.8935 ppm
Concentration per Run	0.0094 ppm	22.2910 ppm	0.0285 ppm	0.2348 ppm	0.5296 ppm	0.0104 ppm	382.7269 ppm
Concentration per Run	0.0098 ppm	22.5018 ppm	0.0308 ppm	0.2324 ppm	0.5397 ppm	0.0106 ppm	386.8535 ppm
Concentration per Run	0.0100 ppm	22.4292 ppm	0.0302 ppm	0.2310 ppm	0.5357 ppm	0.0104 ppm	385.1000 ppm
Concentration RSD	2.9 %	0.5 %	4.0 %	0.8 %	0.9 %	1.0 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0108 ppm	0.0988 ppm	0.0654 ppm	0.0810 ppm	27.5025 ppm	5.0170 ppm	0.3041 ppm
Concentration per Run	0.0109 ppm	0.0994 ppm	0.0652 ppm	0.0807 ppm	27.2650 ppm	4.9995 ppm	0.2964 ppm
Concentration per Run	0.0108 ppm	0.0984 ppm	0.0652 ppm	0.0818 ppm	27.6947 ppm	5.0573 ppm	0.3108 ppm
Concentration per Run	0.0109 ppm	0.0986 ppm	0.0656 ppm	0.0804 ppm	27.5478 ppm	4.9942 ppm	0.3052 ppm
Concentration RSD	0.5 %	0.5 %	0.4 %	0.9 %	0.8 %	0.7 %	2.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	116.9684 ppm	1.2681 ppm	0.1894 ppm	3.3101 ppm	0.1143 ppm	0.1211 ppm	0.0496 ppm
Concentration per Run	117.1885 ppm	1.2619 ppm	0.1897 ppm	3.2882 ppm	0.1140 ppm	0.1192 ppm	0.0530 ppm
Concentration per Run	116.9413 ppm	1.2739 ppm	0.1893 ppm	3.3538 ppm	0.1145 ppm	0.1233 ppm	0.0478 ppm
Concentration per Run	116.7754 ppm	1.2686 ppm	0.1892 ppm	3.2881 ppm	0.1144 ppm	0.1208 ppm	0.0480 ppm
Concentration RSD	0.2 %	0.5 %	0.1 %	1.1 %	0.2 %	1.7 %	6.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0242 ppm	18.8555 ppm	0.1922 ppm	1.0566 ppm	0.8258 ppm	0.0229 ppm	0.1266 ppm
Concentration per Run	0.0253 ppm	19.0870 ppm	0.1924 ppm	1.0460 ppm	0.8301 ppm	0.0219 ppm	0.1269 ppm
Concentration per Run	0.0229 ppm	18.7833 ppm	0.1927 ppm	1.0675 ppm	0.8240 ppm	0.0220 ppm	0.1265 ppm
Concentration per Run	0.0243 ppm	18.6961 ppm	0.1915 ppm	1.0562 ppm	0.8233 ppm	0.0248 ppm	0.1262 ppm
Concentration RSD	4.9 %	1.1 %	0.3 %	1.0 %	0.5 %	7.1 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3159 ppm	90.9168 %	94.2262 %	84.9021 %	92.4421 %	96.4357 %	92.7245 %
Concentration per Run	0.3163 ppm	90.6181 %	94.1782 %	85.3084 %	92.4740 %	95.9487 %	92.9721 %
Concentration per Run	0.3158 ppm	91.2197 %	93.5584 %	84.5476 %	92.5423 %	95.8436 %	92.3736 %
Concentration per Run	0.3154 ppm	90.9125 %	94.9419 %	84.8502 %	92.3100 %	97.5149 %	92.8278 %
Concentration RSD	0.1 %	0.3 %	0.7 %	0.5 %	0.1 %	1.0 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2146050-8D10 WG2146050
Analysis started at: 11/28/2025 2:12:33 PM
Comment <Comment>
Rack Number 2
Vial Numbers 24

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0096 ppm	18.0818 ppm	0.0293 ppm	0.2312 ppm	0.5113 ppm	0.0106 ppm	333.5587 ppm
Concentration per Run	0.0093 ppm	18.1226 ppm	0.0308 ppm	0.2292 ppm	0.5129 ppm	0.0106 ppm	334.1382 ppm
Concentration per Run	0.0096 ppm	18.0611 ppm	0.0292 ppm	0.2336 ppm	0.5105 ppm	0.0106 ppm	333.1167 ppm
Concentration per Run	0.0099 ppm	18.0616 ppm	0.0279 ppm	0.2308 ppm	0.5105 ppm	0.0106 ppm	333.4213 ppm
Concentration RSD	3.0 %	0.2 %	5.0 %	1.0 %	0.3 %	0.1 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0110 ppm	0.0993 ppm	0.0621 ppm	0.0763 ppm	23.2685 ppm	5.5189 ppm	0.2893 ppm
Concentration per Run	0.0111 ppm	0.0986 ppm	0.0618 ppm	0.0762 ppm	23.3181 ppm	5.5224 ppm	0.2898 ppm
Concentration per Run	0.0110 ppm	0.0994 ppm	0.0615 ppm	0.0766 ppm	23.2107 ppm	5.5103 ppm	0.2920 ppm
Concentration per Run	0.0111 ppm	0.0998 ppm	0.0631 ppm	0.0762 ppm	23.2766 ppm	5.5241 ppm	0.2859 ppm
Concentration RSD	0.4 %	0.6 %	1.4 %	0.3 %	0.2 %	0.1 %	1.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	114.6960 ppm	0.9229 ppm	0.1961 ppm	4.1297 ppm	0.1140 ppm	0.1288 ppm	0.0676 ppm
Concentration per Run	114.6702 ppm	0.9231 ppm	0.1950 ppm	4.1362 ppm	0.1124 ppm	0.1283 ppm	0.0677 ppm
Concentration per Run	114.9743 ppm	0.9232 ppm	0.1953 ppm	4.1306 ppm	0.1146 ppm	0.1283 ppm	0.0691 ppm
Concentration per Run	114.4435 ppm	0.9223 ppm	0.1980 ppm	4.1224 ppm	0.1152 ppm	0.1298 ppm	0.0658 ppm
Concentration RSD	0.2 %	0.1 %	0.8 %	0.2 %	1.3 %	0.7 %	2.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0225 ppm	27.0314 [SIC 100]	0.1961 ppm	0.9285 ppm	0.7037 ppm	0.0231 ppm	0.1223 ppm
Concentration per Run	0.0254 ppm	26.9591 ppm	0.1950 ppm	0.9296 ppm	0.7035 ppm	0.0225 ppm	0.1221 ppm
Concentration per Run	0.0205 ppm	26.9984 ppm	0.1966 ppm	0.9301 ppm	0.7059 ppm	0.0242 ppm	0.1220 ppm
Concentration per Run	0.0217 ppm	27.1366 ppm	0.1968 ppm	0.9259 ppm	0.7019 ppm	0.0226 ppm	0.1228 ppm
Concentration RSD	11.2 %	0.3 %	0.5 %	0.2 %	0.3 %	4.3 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1648 ppm	91.2628 %	94.8038 %	85.3425 %	92.6073 %	96.3102 %	92.8674 %
Concentration per Run	0.1647 ppm	90.6885 %	94.3512 %	86.1143 %	91.9289 %	96.4240 %	93.6048 %
Concentration per Run	0.1650 ppm	91.8637 %	94.9058 %	85.5860 %	93.4325 %	95.9915 %	92.6511 %
Concentration per Run	0.1647 ppm	91.2363 %	95.1544 %	84.3273 %	92.4605 %	96.5151 %	92.3465 %
Concentration RSD	0.1 %	0.6 %	0.4 %	1.1 %	0.8 %	0.3 %	0.7 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2146050-9D10 WG2146050
Analysis started at: 11/28/2025 2:14:43 PM
Comment <Comment>
Rack Number 2
Vial Numbers 25

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0221 ppm	37.2076 ppm	0.1328 ppm	1.0834 ppm	2.4264 ppm	0.0556 ppm	653.2821 ppm
Concentration per Run	0.0227 ppm	37.2878 ppm	0.1325 ppm	1.0891 ppm	2.4355 ppm	0.0557 ppm	654.1054 ppm
Concentration per Run	0.0222 ppm	37.1877 ppm	0.1326 ppm	1.0746 ppm	2.4233 ppm	0.0557 ppm	653.4273 ppm
Concentration per Run	0.0215 ppm	37.1474 ppm	0.1331 ppm	1.0865 ppm	2.4204 ppm	0.0554 ppm	652.3137 ppm
Concentration RSD	2.7 %	0.2 %	0.2 %	0.7 %	0.3 %	0.3 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0546 ppm	0.5189 ppm	0.2969 ppm	0.3654 ppm	61.6117 ppm	16.5711 ppm	0.0910 ppm
Concentration per Run	0.0552 ppm	0.5210 ppm	0.2990 ppm	0.3662 ppm	61.7029 ppm	16.5874 ppm	0.0926 ppm
Concentration per Run	0.0541 ppm	0.5158 ppm	0.2940 ppm	0.3639 ppm	61.6497 ppm	16.5582 ppm	0.0838 ppm
Concentration per Run	0.0545 ppm	0.5199 ppm	0.2977 ppm	0.3660 ppm	61.4825 ppm	16.5675 ppm	0.0967 ppm
Concentration RSD	1.0 %	0.5 %	0.9 %	0.3 %	0.2 %	0.1 %	7.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	191.5053 ppm	2.6375 ppm	1.0315 ppm	15.2149 ppm	0.5584 ppm	0.5753 ppm	0.5239 ppm
Concentration per Run	192.5397 ppm	2.6445 ppm	1.0343 ppm	15.1905 ppm	0.5611 ppm	0.5742 ppm	0.5263 ppm
Concentration per Run	190.8351 ppm	2.6348 ppm	1.0276 ppm	15.1966 ppm	0.5561 ppm	0.5764 ppm	0.5207 ppm
Concentration per Run	191.1413 ppm	2.6333 ppm	1.0325 ppm	15.2576 ppm	0.5581 ppm	0.5753 ppm	0.5247 ppm
Concentration RSD	0.5 %	0.2 %	0.3 %	0.2 %	0.5 %	0.2 %	0.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1298 ppm	13.8149 ppm	0.9996 ppm	2.6655 ppm	2.1308 ppm	0.1178 ppm	0.6177 ppm
Concentration per Run	0.1285 ppm	13.8845 ppm	1.0070 ppm	2.6766 ppm	2.1394 ppm	0.1192 ppm	0.6213 ppm
Concentration per Run	0.1330 ppm	13.7450 ppm	0.9929 ppm	2.6613 ppm	2.1391 ppm	0.1161 ppm	0.6134 ppm
Concentration per Run	0.1281 ppm	13.8152 ppm	0.9988 ppm	2.6587 ppm	2.1139 ppm	0.1181 ppm	0.6186 ppm
Concentration RSD	2.1 %	0.5 %	0.7 %	0.4 %	0.7 %	1.3 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6887 ppm	87.8024 %	94.3476 %	81.6236 %	91.4220 %	97.8992 %	92.2292 %
Concentration per Run	0.6928 ppm	86.2449 %	94.6792 %	81.9709 %	89.8801 %	98.5343 %	92.7672 %
Concentration per Run	0.6845 ppm	88.8735 %	94.1103 %	81.2763 %	92.4764 %	97.5527 %	92.0448 %
Concentration per Run	0.6886 ppm	88.2887 %	94.2533 %	81.6236 %	91.9096 %	97.6106 %	91.8757 %
Concentration RSD	0.6 %	1.6 %	0.3 %	0.4 %	1.5 %	0.6 %	0.5 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: WG2146050-10D50 WG2146050
Analysis started at: 11/28/2025 2:16:53 PM
Comment <Comment>
Rack Number 2
Vial Numbers 26

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	3.6106 ppm	0.0009 ppm	0.0069 ppm	0.0261 ppm	0.0002 ppm	70.1174 ppm
Concentration per Run	0.0001 ppm	3.6350 ppm	0.0011 ppm	0.0084 ppm	0.0259 ppm	0.0002 ppm	69.9725 ppm
Concentration per Run	0.0004 ppm	3.5880 ppm	0.0011 ppm	0.0062 ppm	0.0261 ppm	0.0001 ppm	70.1599 ppm
Concentration per Run	-0.0001 ppm	3.6089 ppm	0.0006 ppm	0.0062 ppm	0.0262 ppm	0.0002 ppm	70.2198 ppm
Concentration RSD	215.0 %	0.7 %	33.5 %	18.4 %	0.6 %	13.4 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0021 ppm	0.0083 ppm	0.0096 ppm	6.6144 ppm	0.4728 ppm	0.0084 ppm
Concentration per Run	0.0001 ppm	0.0019 ppm	0.0078 ppm	0.0097 ppm	6.6137 ppm	0.4965 ppm	0.0080 ppm
Concentration per Run	0.0000 ppm	0.0024 ppm	0.0085 ppm	0.0092 ppm	6.5752 ppm	0.4378 ppm	0.0086 ppm
Concentration per Run	0.0001 ppm	0.0022 ppm	0.0087 ppm	0.0099 ppm	6.6542 ppm	0.4842 ppm	0.0087 ppm
Concentration RSD	123.2 %	11.5 %	5.4 %	3.7 %	0.6 %	6.5 %	4.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	19.6852 ppm	0.2264 ppm	0.0008 ppm	0.3805 ppm	0.0048 ppm	0.0027 ppm	0.0037 ppm
Concentration per Run	19.6432 ppm	0.2269 ppm	0.0010 ppm	0.3827 ppm	0.0042 ppm	0.0025 ppm	0.0028 ppm
Concentration per Run	19.6762 ppm	0.2257 ppm	0.0006 ppm	0.3832 ppm	0.0056 ppm	0.0032 ppm	0.0035 ppm
Concentration per Run	19.7363 ppm	0.2265 ppm	0.0007 ppm	0.3756 ppm	0.0046 ppm	0.0025 ppm	0.0048 ppm
Concentration RSD	0.2 %	0.3 %	31.7 %	1.1 %	14.3 %	14.8 %	27.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0000 ppm	1.1947 ppm	0.0018 ppm	0.1736 ppm	0.1114 ppm	0.0015 ppm	0.0044 ppm
Concentration per Run	0.0037 ppm	1.1951 ppm	0.0001 ppm	0.1737 ppm	0.1114 ppm	0.0010 ppm	0.0043 ppm
Concentration per Run	-0.0006 ppm	1.1940 ppm	0.0019 ppm	0.1727 ppm	0.1111 ppm	0.0006 ppm	0.0043 ppm
Concentration per Run	-0.0030 ppm	1.1950 ppm	0.0034 ppm	0.1745 ppm	0.1117 ppm	0.0029 ppm	0.0045 ppm
Concentration RSD	15,353.4 %	0.1 %	92.6 %	0.5 %	0.3 %	83.8 %	2.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0197 ppm	94.4788 %	95.5798 %	93.5369 %	94.9682 %	95.4323 %	95.9257 %
Concentration per Run	0.0199 ppm	94.8303 %	95.5433 %	93.5299 %	95.4769 %	95.4455 %	95.8816 %
Concentration per Run	0.0193 ppm	94.6263 %	95.3631 %	93.5780 %	95.1711 %	95.0008 %	96.0008 %
Concentration per Run	0.0200 ppm	93.9798 %	95.8329 %	93.5028 %	94.2565 %	95.8507 %	95.8946 %
Concentration RSD	1.8 %	0.5 %	0.2 %	0.0 %	0.7 %	0.4 %	0.1 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: eL2573385-02D2 WG2146050
Analysis started at: 11/28/2025 2:19:02 PM
Comment <Comment>
Rack Number 2
Vial Numbers 27

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	99.6519 ppm	0.0268 ppm	0.1702 ppm	0.5902 ppm	0.0032 ppm	1,760.3875 [SIC 1000]
Concentration per Run	0.0000 ppm	99.1963 ppm	0.0262 ppm	0.1686 ppm	0.5862 ppm	0.0032 ppm	1,752.0469 ppm
Concentration per Run	0.0003 ppm	100.5410 ppm	0.0276 ppm	0.1693 ppm	0.5964 ppm	0.0033 ppm	1,774.1832 ppm
Concentration per Run	-0.0010 ppm	99.2186 ppm	0.0267 ppm	0.1727 ppm	0.5881 ppm	0.0032 ppm	1,754.9324 ppm
Concentration RSD	263.1 %	0.8 %	2.6 %	1.3 %	0.9 %	2.7 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0011 ppm	0.0379 ppm	0.1277 ppm	0.1698 ppm	118.2009 ppm	13.5038 ppm	0.3645 ppm
Concentration per Run	0.0009 ppm	0.0375 ppm	0.1285 ppm	0.1701 ppm	117.6327 ppm	13.4148 ppm	0.3650 ppm
Concentration per Run	0.0013 ppm	0.0374 ppm	0.1251 ppm	0.1691 ppm	119.1827 ppm	13.6176 ppm	0.3827 ppm
Concentration per Run	0.0010 ppm	0.0387 ppm	0.1296 ppm	0.1702 ppm	117.7872 ppm	13.4790 ppm	0.3459 ppm
Concentration RSD	19.7 %	1.9 %	1.8 %	0.4 %	0.7 %	0.8 %	5.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	606.0802 [SIC 1000]	4.9937 ppm	0.0077 ppm	7.5206 ppm	0.1082 ppm	0.0688 ppm	-0.0018 ppm
Concentration per Run	606.5777 ppm	4.9839 ppm	0.0083 ppm	7.4625 ppm	0.1089 ppm	0.0675 ppm	-0.0026 ppm
Concentration per Run	605.8058 ppm	5.0301 ppm	0.0069 ppm	7.6546 ppm	0.1080 ppm	0.0699 ppm	0.0004 ppm
Concentration per Run	605.8571 ppm	4.9671 ppm	0.0078 ppm	7.4447 ppm	0.1076 ppm	0.0692 ppm	-0.0033 ppm
Concentration RSD	0.1 %	0.7 %	9.7 %	1.5 %	0.6 %	1.8 %	110.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0004 ppm	9.4947 ppm	0.0154 ppm	4.2992 ppm	2.7342 ppm	-0.0004 ppm	0.1338 ppm
Concentration per Run	-0.0015 ppm	9.4989 ppm	0.0133 ppm	4.2731 ppm	2.7471 ppm	-0.0001 ppm	0.1340 ppm
Concentration per Run	0.0009 ppm	9.4310 ppm	0.0148 ppm	4.3435 ppm	2.7293 ppm	-0.0006 ppm	0.1322 ppm
Concentration per Run	-0.0007 ppm	9.5543 ppm	0.0181 ppm	4.2811 ppm	2.7263 ppm	-0.0005 ppm	0.1352 ppm
Concentration RSD	267.5 %	0.7 %	16.0 %	0.9 %	0.4 %	57.8 %	1.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3953 ppm	83.2219 %	91.3732 %	73.4912 %	93.4655 %	104.0322 %	93.5370 %
Concentration per Run	0.3955 ppm	83.1102 %	92.0173 %	73.4426 %	93.4377 %	104.3441 %	93.4765 %
Concentration per Run	0.3900 ppm	83.9715 %	90.5145 %	73.1721 %	93.7284 %	103.7322 %	92.9913 %
Concentration per Run	0.4004 ppm	82.5841 %	91.5878 %	73.8588 %	93.2305 %	104.0203 %	94.1433 %
Concentration RSD	1.3 %	0.8 %	0.8 %	0.5 %	0.3 %	0.3 %	0.6 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: eL2574361-01D2 WG2146050
Analysis started at: 11/28/2025 2:21:12 PM
Comment <Comment>
Rack Number 2
Vial Numbers 28

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0128 ppm	45.6204 ppm	0.0965 ppm	0.0351 ppm	0.4621 ppm	0.0014 ppm	24.9298 ppm
Concentration per Run	0.0124 ppm	45.5877 ppm	0.0949 ppm	0.0355 ppm	0.4616 ppm	0.0014 ppm	24.8939 ppm
Concentration per Run	0.0127 ppm	45.5049 ppm	0.0963 ppm	0.0363 ppm	0.4646 ppm	0.0014 ppm	25.0524 ppm
Concentration per Run	0.0131 ppm	45.7687 ppm	0.0984 ppm	0.0334 ppm	0.4602 ppm	0.0014 ppm	24.8429 ppm
Concentration RSD	3.0 %	0.3 %	1.8 %	4.3 %	0.5 %	1.7 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0558 ppm	0.1458 ppm	0.3846 ppm	2.7857 ppm	888.0676 [SIC 800]	1.9675 ppm	0.0221 ppm
Concentration per Run	0.0554 ppm	0.1451 ppm	0.3836 ppm	2.7876 ppm	883.3141 ppm	1.9870 ppm	0.0242 ppm
Concentration per Run	0.0559 ppm	0.1462 ppm	0.3865 ppm	2.7857 ppm	891.8774 ppm	1.9511 ppm	0.0210 ppm
Concentration per Run	0.0563 ppm	0.1462 ppm	0.3837 ppm	2.7837 ppm	889.0113 ppm	1.9644 ppm	0.0212 ppm
Concentration RSD	0.8 %	0.5 %	0.4 %	0.1 %	0.5 %	0.9 %	8.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	4.1227 ppm	3.1462 ppm	0.0547 ppm	1.0898 ppm	0.6594 ppm	17.6576 ppm	0.2002 ppm
Concentration per Run	4.1126 ppm	3.1453 ppm	0.0547 ppm	1.0809 ppm	0.6597 ppm	17.7752 ppm	0.2038 ppm
Concentration per Run	4.1358 ppm	3.1463 ppm	0.0549 ppm	1.0953 ppm	0.6593 ppm	17.6829 ppm	0.1979 ppm
Concentration per Run	4.1196 ppm	3.1470 ppm	0.0545 ppm	1.0932 ppm	0.6591 ppm	17.5147 ppm	0.1988 ppm
Concentration RSD	0.3 %	0.0 %	0.4 %	0.7 %	0.0 %	0.7 %	1.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0061 ppm	4.3392 ppm	2.0758 [SIC 50]	0.1165 ppm	0.8070 ppm	0.0007 ppm	0.1262 ppm
Concentration per Run	0.0067 ppm	4.3419 ppm	2.0633 ppm	0.1161 ppm	0.8034 ppm	-0.0006 ppm	0.1272 ppm
Concentration per Run	0.0069 ppm	4.3515 ppm	2.0863 ppm	0.1170 ppm	0.8072 ppm	0.0015 ppm	0.1270 ppm
Concentration per Run	0.0047 ppm	4.3242 ppm	2.0777 ppm	0.1163 ppm	0.8105 ppm	0.0011 ppm	0.1244 ppm
Concentration RSD	20.1 %	0.3 %	0.6 %	0.4 %	0.4 %	161.2 %	1.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	27.4071 [SIC 60]	94.5819 %	98.6008 %	84.1074 %	94.9657 %	99.0767 %	95.7228 %
Concentration per Run	27.3613 ppm	94.5272 %	99.6443 %	83.9185 %	94.8886 %	99.6580 %	95.7353 %
Concentration per Run	27.5030 ppm	94.6556 %	98.6583 %	84.4208 %	94.8978 %	99.5283 %	95.9471 %
Concentration per Run	27.3570 ppm	94.5628 %	97.4997 %	83.9828 %	95.1107 %	98.0439 %	95.4860 %
Concentration RSD	0.3 %	0.1 %	1.1 %	0.3 %	0.1 %	0.9 %	0.2 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574361-02D2 WG2146050
Analysis started at: 11/28/2025 2:23:22 PM
Comment <Comment>
Rack Number 2
Vial Numbers 29

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0094 ppm	71.1907 ppm	0.2132 ppm	0.0287 ppm	1.0198 ppm	0.0071 ppm	18.0046 ppm
Concentration per Run	0.0097 ppm	70.8621 ppm	0.2162 ppm	0.0276 ppm	1.0130 ppm	0.0070 ppm	17.8793 ppm
Concentration per Run	0.0091 ppm	71.2079 ppm	0.2110 ppm	0.0291 ppm	1.0176 ppm	0.0071 ppm	18.0533 ppm
Concentration per Run	0.0095 ppm	71.5020 ppm	0.2125 ppm	0.0293 ppm	1.0286 ppm	0.0071 ppm	18.0813 ppm
Concentration RSD	3.6 %	0.4 %	1.3 %	3.2 %	0.8 %	0.9 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0323 ppm	0.1177 ppm	0.6034 ppm	1.7689 ppm	235.7404 ppm	7.0831 ppm	0.1062 ppm
Concentration per Run	0.0322 ppm	0.1179 ppm	0.6038 ppm	1.7647 ppm	233.8518 ppm	7.0716 ppm	0.1080 ppm
Concentration per Run	0.0326 ppm	0.1175 ppm	0.6057 ppm	1.7807 ppm	235.8586 ppm	7.0747 ppm	0.1055 ppm
Concentration per Run	0.0320 ppm	0.1176 ppm	0.6008 ppm	1.7612 ppm	237.5109 ppm	7.1030 ppm	0.1052 ppm
Concentration RSD	1.1 %	0.2 %	0.4 %	0.6 %	0.8 %	0.2 %	1.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	19.6110 ppm	4.6364 ppm	0.0149 ppm	0.9847 ppm	0.2288 ppm	6.0044 ppm	0.0245 ppm
Concentration per Run	19.5902 ppm	4.5977 ppm	0.0149 ppm	0.9802 ppm	0.2287 ppm	6.0011 ppm	0.0209 ppm
Concentration per Run	19.6673 ppm	4.6383 ppm	0.0150 ppm	0.9893 ppm	0.2286 ppm	5.9926 ppm	0.0261 ppm
Concentration per Run	19.5753 ppm	4.6731 ppm	0.0147 ppm	0.9846 ppm	0.2292 ppm	6.0196 ppm	0.0264 ppm
Concentration RSD	0.3 %	0.8 %	1.0 %	0.5 %	0.1 %	0.2 %	12.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0121 ppm	4.6487 ppm	0.2451 ppm	0.1419 ppm	2.0597 ppm	-0.0004 ppm	0.2639 ppm
Concentration per Run	0.0105 ppm	4.6488 ppm	0.2447 ppm	0.1408 ppm	2.0667 ppm	0.0003 ppm	0.2638 ppm
Concentration per Run	0.0169 ppm	4.6456 ppm	0.2444 ppm	0.1420 ppm	2.0554 ppm	-0.0009 ppm	0.2644 ppm
Concentration per Run	0.0090 ppm	4.6518 ppm	0.2464 ppm	0.1430 ppm	2.0570 ppm	-0.0007 ppm	0.2636 ppm
Concentration RSD	34.7 %	0.1 %	0.4 %	0.8 %	0.3 %	159.1 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	5.3325 ppm	98.8596 %	101.5188 %	93.9905 %	110.5802 %	113.2125 %	111.4584 %
Concentration per Run	5.3400 ppm	98.9166 %	102.1393 %	94.0100 %	110.4220 %	113.4834 %	111.3667 %
Concentration per Run	5.3635 ppm	98.3565 %	101.2137 %	94.3086 %	110.2243 %	112.5029 %	111.8088 %
Concentration per Run	5.2941 ppm	99.3056 %	101.2035 %	93.6529 %	111.0943 %	113.6511 %	111.1998 %
Concentration RSD	0.7 %	0.5 %	0.5 %	0.3 %	0.4 %	0.5 %	0.3 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2574361-03D2 WG2146050
Analysis started at: 11/28/2025 2:25:31 PM
Comment <Comment>
Rack Number 2
Vial Numbers 30

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0037 ppm	65.5604 ppm	0.1321 ppm	0.0249 ppm	0.9842 ppm	0.0060 ppm	14.9311 ppm
Concentration per Run	0.0032 ppm	65.6251 ppm	0.1340 ppm	0.0242 ppm	0.9846 ppm	0.0060 ppm	15.0031 ppm
Concentration per Run	0.0044 ppm	65.7482 ppm	0.1326 ppm	0.0254 ppm	0.9874 ppm	0.0059 ppm	14.8979 ppm
Concentration per Run	0.0033 ppm	65.3078 ppm	0.1297 ppm	0.0252 ppm	0.9807 ppm	0.0060 ppm	14.8922 ppm
Concentration RSD	18.6 %	0.3 %	1.7 %	2.5 %	0.3 %	0.6 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0117 ppm	0.0584 ppm	0.3425 ppm	0.4283 ppm	139.4862 ppm	5.4011 ppm	0.0969 ppm
Concentration per Run	0.0118 ppm	0.0581 ppm	0.3436 ppm	0.4283 ppm	139.9735 ppm	5.4417 ppm	0.0988 ppm
Concentration per Run	0.0117 ppm	0.0589 ppm	0.3424 ppm	0.4283 ppm	139.6912 ppm	5.4316 ppm	0.0969 ppm
Concentration per Run	0.0117 ppm	0.0582 ppm	0.3415 ppm	0.4284 ppm	138.7937 ppm	5.3299 ppm	0.0951 ppm
Concentration RSD	0.5 %	0.8 %	0.3 %	0.0 %	0.4 %	1.1 %	1.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	14.6696 ppm	1.2546 ppm	0.0080 ppm	0.8389 ppm	0.1422 ppm	4.4482 ppm	0.0167 ppm
Concentration per Run	14.7550 ppm	1.2619 ppm	0.0080 ppm	0.8426 ppm	0.1410 ppm	4.4682 ppm	0.0189 ppm
Concentration per Run	14.5990 ppm	1.2538 ppm	0.0082 ppm	0.8349 ppm	0.1428 ppm	4.4310 ppm	0.0131 ppm
Concentration per Run	14.6547 ppm	1.2481 ppm	0.0077 ppm	0.8392 ppm	0.1428 ppm	4.4454 ppm	0.0180 ppm
Concentration RSD	0.5 %	0.6 %	3.5 %	0.5 %	0.7 %	0.4 %	18.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0068 ppm	3.2908 ppm	0.0845 ppm	0.1126 ppm	1.2411 ppm	-0.0004 ppm	0.2133 ppm
Concentration per Run	0.0043 ppm	3.3021 ppm	0.0860 ppm	0.1131 ppm	1.2457 ppm	-0.0014 ppm	0.2139 ppm
Concentration per Run	0.0061 ppm	3.2828 ppm	0.0839 ppm	0.1127 ppm	1.2319 ppm	0.0000 ppm	0.2132 ppm
Concentration per Run	0.0099 ppm	3.2875 ppm	0.0837 ppm	0.1119 ppm	1.2458 ppm	0.0002 ppm	0.2128 ppm
Concentration RSD	42.0 %	0.3 %	1.5 %	0.6 %	0.6 %	220.3 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	2.4511 ppm	98.9206 %	100.8660 %	94.4417 %	109.0630 %	110.7291 %	109.5438 %
Concentration per Run	2.4632 ppm	98.0208 %	99.6297 %	94.2695 %	108.1905 %	109.7170 %	109.3519 %
Concentration per Run	2.4384 ppm	99.3550 %	101.6652 %	94.4428 %	109.4506 %	111.7865 %	109.3608 %
Concentration per Run	2.4517 ppm	99.3860 %	101.3032 %	94.6129 %	109.5478 %	110.6838 %	109.9186 %
Concentration RSD	0.5 %	0.8 %	1.1 %	0.2 %	0.7 %	0.9 %	0.3 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2574361-04D2 WG2146050
Analysis started at: 11/28/2025 2:27:41 PM
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Rack Number 2
Vial Numbers 31

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0155 ppm	101.0253 ppm	0.2035 ppm	0.0253 ppm	1.2996 ppm	0.0103 ppm	18.7005 ppm
Concentration per Run	0.0160 ppm	100.9845 ppm	0.2012 ppm	0.0254 ppm	1.2986 ppm	0.0102 ppm	18.7690 ppm
Concentration per Run	0.0153 ppm	101.0632 ppm	0.2042 ppm	0.0246 ppm	1.2998 ppm	0.0103 ppm	18.6701 ppm
Concentration per Run	0.0153 ppm	101.0280 ppm	0.2052 ppm	0.0259 ppm	1.3003 ppm	0.0102 ppm	18.6625 ppm
Concentration RSD	2.6 %	0.0 %	1.0 %	2.7 %	0.1 %	0.6 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0447 ppm	0.1154 ppm	0.9144 ppm	1.0815 ppm	230.5154 ppm	8.6620 ppm	0.1592 ppm
Concentration per Run	0.0447 ppm	0.1149 ppm	0.9104 ppm	1.0844 ppm	230.1314 ppm	8.6609 ppm	0.1613 ppm
Concentration per Run	0.0445 ppm	0.1152 ppm	0.9139 ppm	1.0793 ppm	230.6643 ppm	8.6659 ppm	0.1592 ppm
Concentration per Run	0.0449 ppm	0.1161 ppm	0.9189 ppm	1.0807 ppm	230.7504 ppm	8.6592 ppm	0.1573 ppm
Concentration RSD	0.5 %	0.6 %	0.5 %	0.2 %	0.1 %	0.0 %	1.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	26.6428 ppm	2.8629 ppm	0.0093 ppm	1.1031 ppm	0.2575 ppm	1.5701 ppm	0.0072 ppm
Concentration per Run	26.5957 ppm	2.8578 ppm	0.0095 ppm	1.1028 ppm	0.2590 ppm	1.5745 ppm	0.0067 ppm
Concentration per Run	26.6417 ppm	2.8629 ppm	0.0095 ppm	1.1033 ppm	0.2553 ppm	1.5685 ppm	0.0090 ppm
Concentration per Run	26.6910 ppm	2.8681 ppm	0.0089 ppm	1.1031 ppm	0.2583 ppm	1.5673 ppm	0.0060 ppm
Concentration RSD	0.2 %	0.2 %	4.0 %	0.0 %	0.7 %	0.2 %	21.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0194 ppm	3.9675 ppm	0.0987 ppm	0.1612 ppm	2.2165 ppm	-0.0007 ppm	0.2637 ppm
Concentration per Run	0.0198 ppm	3.9732 ppm	0.0969 ppm	0.1608 ppm	2.2131 ppm	-0.0005 ppm	0.2633 ppm
Concentration per Run	0.0180 ppm	3.9403 ppm	0.1004 ppm	0.1614 ppm	2.2107 ppm	-0.0007 ppm	0.2623 ppm
Concentration per Run	0.0204 ppm	3.9890 ppm	0.0987 ppm	0.1612 ppm	2.2258 ppm	-0.0009 ppm	0.2656 ppm
Concentration RSD	6.4 %	0.6 %	1.8 %	0.2 %	0.4 %	29.6 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	5.7655 ppm	99.3425 %	102.2794 %	94.3750 %	117.7732 %	121.4203 %	119.2879 %
Concentration per Run	5.7423 ppm	99.6996 %	101.5012 %	93.8559 %	118.5741 %	120.1218 %	118.7958 %
Concentration per Run	5.7664 ppm	99.3514 %	102.6176 %	94.4133 %	117.5662 %	121.8368 %	119.3110 %
Concentration per Run	5.7879 ppm	98.9764 %	102.7196 %	94.8557 %	117.1792 %	122.3022 %	119.7569 %
Concentration RSD	0.4 %	0.4 %	0.7 %	0.5 %	0.6 %	0.9 %	0.4 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: CCV
Analysis started at: 11/28/2025 2:29:51 PM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5114 ppm	0.4959 ppm	0.4842 ppm	0.4873 ppm	0.5127 ppm	0.5128 ppm	0.5022 ppm
Concentration per Run	0.5144 ppm	0.4837 ppm	0.4820 ppm	0.4893 ppm	0.5103 ppm	0.5099 ppm	0.4979 ppm
Concentration per Run	0.5102 ppm	0.5063 ppm	0.4828 ppm	0.4851 ppm	0.5149 ppm	0.5142 ppm	0.5006 ppm
Concentration per Run	0.5094 ppm	0.4975 ppm	0.4877 ppm	0.4874 ppm	0.5129 ppm	0.5143 ppm	0.5080 ppm
Recovery Percentage	102.272 %	99.170 %	96.833 %	97.452 %	102.541 %	102.561 %	100.434 %
Concentration RSD	0.5 %	2.3 %	0.6 %	0.4 %	0.4 %	0.5 %	1.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5213 ppm	0.5193 ppm	0.5229 ppm	0.5254 ppm	0.5105 ppm	5.3184 ppm	0.5468 ppm
Concentration per Run	0.5246 ppm	0.5207 ppm	0.5247 ppm	0.5274 ppm	0.5079 ppm	5.3074 ppm	0.5452 ppm
Concentration per Run	0.5191 ppm	0.5177 ppm	0.5222 ppm	0.5228 ppm	0.5143 ppm	5.3368 ppm	0.5588 ppm
Concentration per Run	0.5203 ppm	0.5195 ppm	0.5219 ppm	0.5259 ppm	0.5095 ppm	5.3110 ppm	0.5365 ppm
Recovery Percentage	104.265 %	103.861 %	104.582 %	105.075 %	102.107 %	106.368 %	109.370 %
Concentration RSD	0.6 %	0.3 %	0.3 %	0.5 %	0.7 %	0.3 %	2.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5102 ppm	0.5167 ppm	0.4950 ppm	10.4514 ppm	0.5199 ppm	0.5011 ppm	0.5142 ppm
Concentration per Run	0.5078 ppm	0.5152 ppm	0.4973 ppm	10.3631 ppm	0.5219 ppm	0.5022 ppm	0.5201 ppm
Concentration per Run	0.5145 ppm	0.5175 ppm	0.4947 ppm	10.5388 ppm	0.5189 ppm	0.5011 ppm	0.5130 ppm
Concentration per Run	0.5083 ppm	0.5174 ppm	0.4930 ppm	10.4525 ppm	0.5190 ppm	0.4998 ppm	0.5096 ppm
Recovery Percentage	102.042 %	103.339 %	99.000 %	104.514 %	103.988 %	100.210 %	102.846 %
Concentration RSD	0.7 %	0.2 %	0.4 %	0.8 %	0.3 %	0.2 %	1.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4791 ppm	5.4582 ppm	0.5002 ppm	0.5054 ppm	0.5023 ppm	0.4984 ppm	0.5194 ppm
Concentration per Run	0.4772 ppm	5.4689 ppm	0.5007 ppm	0.5029 ppm	0.5006 ppm	0.4995 ppm	0.5218 ppm
Concentration per Run	0.4782 ppm	5.4429 ppm	0.4995 ppm	0.5076 ppm	0.5028 ppm	0.4995 ppm	0.5179 ppm
Concentration per Run	0.4820 ppm	5.4629 ppm	0.5005 ppm	0.5056 ppm	0.5034 ppm	0.4962 ppm	0.5184 ppm
Recovery Percentage	95.828 %	103.967 %	100.048 %	101.077 %	100.454 %	99.681 %	103.875 %
Concentration RSD	0.5 %	0.2 %	0.1 %	0.5 %	0.3 %	0.4 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5099 ppm	99.0220 %	96.4421 %	98.5519 %	97.8355 %	95.1599 %	97.5122 %
Concentration per Run	0.5114 ppm	98.9374 %	96.2580 %	98.5795 %	97.8914 %	95.0255 %	97.4430 %
Concentration per Run	0.5092 ppm	98.5698 %	96.5618 %	98.0188 %	96.8119 %	95.2410 %	97.3425 %
Concentration per Run	0.5091 ppm	99.5589 %	96.5064 %	99.0573 %	98.8031 %	95.2131 %	97.7510 %
Recovery Percentage	101.980 %						
Concentration RSD	0.3 %	0.5 %	0.2 %	0.5 %	1.0 %	0.1 %	0.2 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: CCB
Analysis started at: 11/28/2025 2:32:01 PM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	0.0026 ppm	-0.0011 ppm	-0.0002 ppm	0.0001 ppm	0.0000 ppm	-0.0006 ppm
Concentration per Run	-0.0001 ppm	0.0077 ppm	-0.0026 ppm	0.0002 ppm	0.0001 ppm	0.0000 ppm	-0.0034 ppm
Concentration per Run	-0.0003 ppm	-0.0009 ppm	-0.0011 ppm	-0.0017 ppm	0.0001 ppm	0.0000 ppm	-0.0011 ppm
Concentration per Run	0.0006 ppm	0.0009 ppm	0.0003 ppm	0.0010 ppm	0.0002 ppm	0.0000 ppm	0.0027 ppm
Recovery Percentage	0.749 %	2.589 %	-22.198 %	-0.578 %	1.228 %	0.285 %	-0.610 %
Concentration RSD	905.0 %	175.2 %	132.7 %	807.4 %	37.3 %	244.3 %	508.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0003 ppm	-0.0007 ppm	0.0007 ppm	-0.0295 ppm	0.0001 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	0.0004 ppm	-0.0007 ppm	0.0020 ppm	-0.0321 ppm	0.0005 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	0.0005 ppm	-0.0007 ppm	0.0000 ppm	-0.0293 ppm	0.0002 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	-0.0009 ppm	0.0000 ppm	-0.0272 ppm	-0.0005 ppm
Recovery Percentage	0.056 %	0.117 %	2.750 %	-7.462 %	1.302 %	-1.181 %	1.043 %
Concentration RSD	674.9 %	642.1 %	115.1 %	12.9 %	172.8 %	8.3 %	1,007.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0012 ppm	0.0000 ppm	0.0002 ppm	-0.0087 ppm	-0.0007 ppm	-0.0007 ppm	0.0033 ppm
Concentration per Run	-0.0020 ppm	0.0000 ppm	-0.0001 ppm	-0.0151 ppm	-0.0005 ppm	-0.0002 ppm	0.0022 ppm
Concentration per Run	-0.0007 ppm	0.0001 ppm	0.0000 ppm	-0.0068 ppm	-0.0008 ppm	-0.0006 ppm	0.0037 ppm
Concentration per Run	-0.0009 ppm	0.0000 ppm	0.0005 ppm	-0.0043 ppm	-0.0009 ppm	-0.0012 ppm	0.0040 ppm
Recovery Percentage	-1.187 %	0.450 %	0.326 %	-0.436 %	-2.919 %	-6.779 %	6.586 %
Concentration RSD	56.4 %	192.5 %	196.7 %	64.8 %	28.5 %	74.4 %	30.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0017 ppm	0.0049 ppm	0.0003 ppm	0.0001 ppm	-0.0006 ppm	0.0001 ppm	-0.0004 ppm
Concentration per Run	0.0004 ppm	0.0016 ppm	0.0001 ppm	0.0002 ppm	-0.0003 ppm	-0.0004 ppm	-0.0003 ppm
Concentration per Run	0.0047 ppm	0.0076 ppm	0.0002 ppm	0.0000 ppm	-0.0010 ppm	-0.0012 ppm	-0.0005 ppm
Concentration per Run	0.0000 ppm	0.0054 ppm	0.0005 ppm	0.0001 ppm	-0.0005 ppm	0.0020 ppm	-0.0003 ppm
Recovery Percentage	17.058 %	0.971 %	0.592 %	1.127 %	-5.969 %	0.558 %	-3.728 %
Concentration RSD	153.5 %	62.8 %	69.8 %	76.5 %	62.9 %	1,522.0 %	34.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0003 ppm	96.4874 %	94.7869 %	97.5080 %	97.6107 %	94.8509 %	97.2474 %
Concentration per Run	0.0001 ppm	95.5959 %	96.4691 %	96.9767 %	96.8766 %	96.3224 %	96.4462 %
Concentration per Run	0.0003 ppm	96.4661 %	94.7262 %	97.7961 %	97.6244 %	94.9105 %	97.7245 %
Concentration per Run	0.0004 ppm	97.4002 %	93.1654 %	97.7512 %	98.3310 %	93.3198 %	97.5716 %
Recovery Percentage	5.637 %						
Concentration RSD	48.9 %	0.9 %	1.7 %	0.5 %	0.7 %	1.6 %	0.7 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2574361-05D2 WG2146050
Analysis started at: 11/28/2025 2:35:35 PM
Comment <Comment>
Rack Number 2
Vial Numbers 32

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	96.9031 ppm	0.0462 ppm	0.0312 ppm	0.7886 ppm	0.0056 ppm	18.4252 ppm
Concentration per Run	0.0002 ppm	97.3465 ppm	0.0442 ppm	0.0316 ppm	0.7919 ppm	0.0057 ppm	18.5354 ppm
Concentration per Run	-0.0004 ppm	96.5544 ppm	0.0463 ppm	0.0310 ppm	0.7864 ppm	0.0056 ppm	18.3353 ppm
Concentration per Run	0.0005 ppm	96.8084 ppm	0.0480 ppm	0.0312 ppm	0.7874 ppm	0.0056 ppm	18.4048 ppm
Concentration RSD	551.5 %	0.4 %	4.1 %	0.9 %	0.4 %	0.8 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0012 ppm	0.0622 ppm	0.2607 ppm	0.0810 ppm	146.5354 ppm	10.4370 ppm	0.1575 ppm
Concentration per Run	0.0012 ppm	0.0619 ppm	0.2604 ppm	0.0814 ppm	147.1797 ppm	10.4785 ppm	0.1625 ppm
Concentration per Run	0.0012 ppm	0.0625 ppm	0.2607 ppm	0.0812 ppm	146.1242 ppm	10.4316 ppm	0.1541 ppm
Concentration per Run	0.0011 ppm	0.0622 ppm	0.2609 ppm	0.0804 ppm	146.3024 ppm	10.4010 ppm	0.1560 ppm
Concentration RSD	5.2 %	0.5 %	0.1 %	0.7 %	0.4 %	0.4 %	2.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	33.1967 ppm	1.8436 ppm	0.0011 ppm	1.3879 ppm	0.1654 ppm	0.3232 ppm	-0.0024 ppm
Concentration per Run	33.0291 ppm	1.8544 ppm	0.0005 ppm	1.3921 ppm	0.1645 ppm	0.3239 ppm	-0.0066 ppm
Concentration per Run	33.1409 ppm	1.8307 ppm	0.0012 ppm	1.3776 ppm	0.1666 ppm	0.3206 ppm	-0.0029 ppm
Concentration per Run	33.4202 ppm	1.8457 ppm	0.0015 ppm	1.3941 ppm	0.1652 ppm	0.3250 ppm	0.0022 ppm
Concentration RSD	0.6 %	0.7 %	44.6 %	0.6 %	0.6 %	0.7 %	182.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0034 ppm	8.7174 ppm	0.0100 ppm	0.1313 ppm	3.3854 ppm	-0.0015 ppm	0.2597 ppm
Concentration per Run	0.0001 ppm	8.6242 ppm	0.0098 ppm	0.1327 ppm	3.3511 ppm	-0.0009 ppm	0.2586 ppm
Concentration per Run	0.0033 ppm	8.8356 ppm	0.0107 ppm	0.1304 ppm	3.3784 ppm	-0.0016 ppm	0.2607 ppm
Concentration per Run	0.0068 ppm	8.6924 ppm	0.0096 ppm	0.1308 ppm	3.4266 ppm	-0.0019 ppm	0.2598 ppm
Concentration RSD	97.5 %	1.2 %	5.6 %	0.9 %	1.1 %	35.7 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4738 ppm	100.8601 %	102.1017 %	95.7285 %	114.2264 %	115.9280 %	114.9389 %
Concentration per Run	0.4705 ppm	100.9616 %	102.0663 %	95.6194 %	114.1240 %	116.6157 %	114.8141 %
Concentration per Run	0.4735 ppm	101.5492 %	102.2116 %	95.7086 %	115.3305 %	115.3810 %	114.8062 %
Concentration per Run	0.4773 ppm	100.0695 %	102.0273 %	95.8574 %	113.2248 %	115.7873 %	115.1964 %
Concentration RSD	0.7 %	0.7 %	0.1 %	0.1 %	0.9 %	0.5 %	0.2 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2574432-12D2 WG2146050
Analysis started at: 11/28/2025 2:37:49 PM
Comment <Comment>
Rack Number 2
Vial Numbers 33

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	56.1901 ppm	0.0227 ppm	0.0764 ppm	0.4453 ppm	0.0018 ppm	766.5413 ppm
Concentration per Run	0.0001 ppm	55.9687 ppm	0.0215 ppm	0.0749 ppm	0.4439 ppm	0.0018 ppm	766.0814 ppm
Concentration per Run	-0.0004 ppm	55.6380 ppm	0.0228 ppm	0.0763 ppm	0.4379 ppm	0.0017 ppm	752.9231 ppm
Concentration per Run	0.0001 ppm	56.9635 ppm	0.0238 ppm	0.0779 ppm	0.4540 ppm	0.0019 ppm	780.6195 ppm
Concentration RSD	456.6 %	1.2 %	5.2 %	1.9 %	1.8 %	5.6 %	1.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0003 ppm	0.0100 ppm	0.1364 ppm	0.0445 ppm	41.7320 ppm	2.2922 ppm	0.0421 ppm
Concentration per Run	0.0004 ppm	0.0095 ppm	0.1358 ppm	0.0442 ppm	41.5352 ppm	2.2988 ppm	0.0504 ppm
Concentration per Run	0.0003 ppm	0.0104 ppm	0.1365 ppm	0.0446 ppm	41.2754 ppm	2.2558 ppm	0.0465 ppm
Concentration per Run	0.0003 ppm	0.0100 ppm	0.1370 ppm	0.0446 ppm	42.3853 ppm	2.3220 ppm	0.0296 ppm
Concentration RSD	15.1 %	4.2 %	0.4 %	0.5 %	1.4 %	1.5 %	26.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	36.1034 ppm	0.4880 ppm	0.0029 ppm	0.8885 ppm	0.0389 ppm	0.0237 ppm	0.0053 ppm
Concentration per Run	36.1837 ppm	0.4883 ppm	0.0026 ppm	0.8882 ppm	0.0388 ppm	0.0233 ppm	0.0036 ppm
Concentration per Run	35.9256 ppm	0.4799 ppm	0.0032 ppm	0.8732 ppm	0.0390 ppm	0.0239 ppm	0.0046 ppm
Concentration per Run	36.2011 ppm	0.4959 ppm	0.0029 ppm	0.9041 ppm	0.0391 ppm	0.0238 ppm	0.0076 ppm
Concentration RSD	0.4 %	1.6 %	9.8 %	1.7 %	0.3 %	1.3 %	39.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0010 ppm	29.9938 [SIC 100]	0.0130 ppm	0.9972 ppm	2.5409 ppm	0.0012 ppm	0.1005 ppm
Concentration per Run	0.0015 ppm	29.9363 ppm	0.0130 ppm	0.9962 ppm	2.5391 ppm	-0.0004 ppm	0.1005 ppm
Concentration per Run	-0.0009 ppm	29.9183 ppm	0.0137 ppm	0.9780 ppm	2.5372 ppm	-0.0003 ppm	0.1002 ppm
Concentration per Run	0.0024 ppm	30.1267 ppm	0.0124 ppm	1.0174 ppm	2.5464 ppm	0.0041 ppm	0.1009 ppm
Concentration RSD	165.9 %	0.4 %	4.9 %	2.0 %	0.2 %	221.2 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1699 ppm	90.5674 %	94.0718 %	83.3170 %	93.0071 %	96.9010 %	93.5017 %
Concentration per Run	0.1698 ppm	90.0780 %	94.1918 %	83.1570 %	91.9312 %	97.5547 %	93.2930 %
Concentration per Run	0.1692 ppm	91.3219 %	95.6771 %	83.4485 %	94.1295 %	97.3882 %	93.6328 %
Concentration per Run	0.1709 ppm	90.3024 %	92.3465 %	83.3456 %	92.9606 %	95.7601 %	93.5792 %
Concentration RSD	0.5 %	0.7 %	1.8 %	0.2 %	1.2 %	1.0 %	0.2 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2573385-02D10 WG2146050
Analysis started at: 11/28/2025 2:39:59 PM
Comment <Comment>
Rack Number 2
Vial Numbers 34

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	19.5044 ppm	0.0053 ppm	0.0347 ppm	0.1168 ppm	0.0007 ppm	380.6575 ppm
Concentration per Run	0.0001 ppm	19.3916 ppm	0.0037 ppm	0.0344 ppm	0.1164 ppm	0.0007 ppm	378.5218 ppm
Concentration per Run	0.0003 ppm	19.5584 ppm	0.0058 ppm	0.0339 ppm	0.1168 ppm	0.0006 ppm	381.9292 ppm
Concentration per Run	0.0003 ppm	19.5632 ppm	0.0064 ppm	0.0359 ppm	0.1172 ppm	0.0007 ppm	381.5215 ppm
Concentration RSD	40.4 %	0.5 %	26.1 %	3.0 %	0.4 %	5.4 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0083 ppm	0.0262 ppm	0.0338 ppm	24.7773 ppm	2.5664 ppm	0.0529 ppm
Concentration per Run	0.0002 ppm	0.0086 ppm	0.0257 ppm	0.0338 ppm	24.6706 ppm	2.5581 ppm	0.0525 ppm
Concentration per Run	0.0001 ppm	0.0080 ppm	0.0258 ppm	0.0331 ppm	24.8368 ppm	2.5768 ppm	0.0512 ppm
Concentration per Run	0.0002 ppm	0.0082 ppm	0.0273 ppm	0.0343 ppm	24.8243 ppm	2.5645 ppm	0.0550 ppm
Concentration RSD	43.7 %	4.1 %	3.4 %	1.8 %	0.4 %	0.4 %	3.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	129.0751 ppm	1.0382 ppm	0.0013 ppm	1.4370 ppm	0.0223 ppm	0.0136 ppm	0.0015 ppm
Concentration per Run	128.9555 ppm	1.0329 ppm	0.0015 ppm	1.4194 ppm	0.0217 ppm	0.0145 ppm	0.0053 ppm
Concentration per Run	129.4116 ppm	1.0415 ppm	0.0012 ppm	1.4439 ppm	0.0223 ppm	0.0128 ppm	-0.0016 ppm
Concentration per Run	128.8582 ppm	1.0403 ppm	0.0012 ppm	1.4479 ppm	0.0228 ppm	0.0135 ppm	0.0008 ppm
Concentration RSD	0.2 %	0.4 %	12.9 %	1.1 %	2.5 %	6.5 %	236.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0029 ppm	1.8128 ppm	0.0028 ppm	0.8537 ppm	0.5489 ppm	0.0010 ppm	0.0269 ppm
Concentration per Run	0.0033 ppm	1.8105 ppm	0.0028 ppm	0.8495 ppm	0.5479 ppm	-0.0003 ppm	0.0269 ppm
Concentration per Run	0.0033 ppm	1.8149 ppm	0.0031 ppm	0.8548 ppm	0.5497 ppm	0.0026 ppm	0.0272 ppm
Concentration per Run	0.0022 ppm	1.8130 ppm	0.0026 ppm	0.8569 ppm	0.5493 ppm	0.0006 ppm	0.0266 ppm
Concentration RSD	22.4 %	0.1 %	8.5 %	0.4 %	0.2 %	152.7 %	1.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0850 ppm	90.6620 %	94.0900 %	85.5654 %	92.2735 %	95.8467 %	92.9417 %
Concentration per Run	0.0850 ppm	90.6614 %	94.8295 %	85.6647 %	92.4872 %	96.1125 %	92.7850 %
Concentration per Run	0.0848 ppm	90.7136 %	93.3136 %	85.0618 %	92.0191 %	95.3614 %	92.4769 %
Concentration per Run	0.0851 ppm	90.6111 %	94.1268 %	85.9696 %	92.3142 %	96.0663 %	93.5630 %
Concentration RSD	0.2 %	0.1 %	0.8 %	0.5 %	0.3 %	0.4 %	0.6 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2574361-01D4 WG2146050
Analysis started at: 11/28/2025 2:42:09 PM
Comment <Comment>
Rack Number 2
Vial Numbers 35

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0065 ppm	22.6562 ppm	0.0479 ppm	0.0182 ppm	0.2288 ppm	0.0007 ppm	12.5061 ppm
Concentration per Run	0.0060 ppm	22.6157 ppm	0.0483 ppm	0.0206 ppm	0.2266 ppm	0.0007 ppm	12.3918 ppm
Concentration per Run	0.0069 ppm	22.6156 ppm	0.0486 ppm	0.0162 ppm	0.2275 ppm	0.0007 ppm	12.4828 ppm
Concentration per Run	0.0066 ppm	22.7374 ppm	0.0468 ppm	0.0177 ppm	0.2322 ppm	0.0006 ppm	12.6438 ppm
Concentration RSD	6.5 %	0.3 %	2.0 %	12.2 %	1.3 %	7.9 %	1.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0279 ppm	0.0740 ppm	0.1951 ppm	1.3901 ppm	476.6977 [SIC 800]	0.9625 ppm	0.0103 ppm
Concentration per Run	0.0277 ppm	0.0747 ppm	0.1949 ppm	1.3986 ppm	471.8558 ppm	0.9640 ppm	0.0105 ppm
Concentration per Run	0.0280 ppm	0.0729 ppm	0.1941 ppm	1.3822 ppm	474.8765 ppm	0.9665 ppm	0.0098 ppm
Concentration per Run	0.0280 ppm	0.0744 ppm	0.1962 ppm	1.3895 ppm	483.3606 ppm	0.9570 ppm	0.0105 ppm
Concentration RSD	0.7 %	1.3 %	0.5 %	0.6 %	1.3 %	0.5 %	3.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	2.1147 ppm	1.5800 ppm	0.0277 ppm	0.5286 ppm	0.3364 ppm	8.6630 ppm	0.0985 ppm
Concentration per Run	2.1168 ppm	1.5762 ppm	0.0277 ppm	0.5238 ppm	0.3360 ppm	8.6414 ppm	0.1009 ppm
Concentration per Run	2.1057 ppm	1.5765 ppm	0.0271 ppm	0.5306 ppm	0.3363 ppm	8.6786 ppm	0.0957 ppm
Concentration per Run	2.1217 ppm	1.5874 ppm	0.0281 ppm	0.5314 ppm	0.3370 ppm	8.6690 ppm	0.0990 ppm
Concentration RSD	0.4 %	0.4 %	1.8 %	0.8 %	0.1 %	0.2 %	2.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0052 ppm	2.1744 ppm	1.0599 [SIC 50]	0.0578 ppm	0.4059 ppm	0.0012 ppm	0.0625 ppm
Concentration per Run	0.0047 ppm	2.1865 ppm	1.0643 ppm	0.0571 ppm	0.4063 ppm	-0.0002 ppm	0.0636 ppm
Concentration per Run	0.0045 ppm	2.1591 ppm	1.0545 ppm	0.0577 ppm	0.4017 ppm	0.0023 ppm	0.0619 ppm
Concentration per Run	0.0063 ppm	2.1776 ppm	1.0608 ppm	0.0585 ppm	0.4096 ppm	0.0013 ppm	0.0619 ppm
Concentration RSD	18.5 %	0.6 %	0.5 %	1.2 %	1.0 %	107.3 %	1.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	14.4861 ppm	96.2354 %	99.0094 %	90.9480 %	95.5317 %	98.0046 %	97.3011 %
Concentration per Run	14.5834 ppm	95.7726 %	100.3344 %	91.2550 %	95.2906 %	98.6138 %	97.5225 %
Concentration per Run	14.3933 ppm	96.5097 %	98.4741 %	90.7734 %	95.6045 %	96.9613 %	97.3763 %
Concentration per Run	14.4815 ppm	96.4239 %	98.2196 %	90.8156 %	95.6999 %	98.4386 %	97.0045 %
Concentration RSD	0.7 %	0.4 %	1.2 %	0.3 %	0.2 %	0.9 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: eL2572667-15D2 WG2146050
Analysis started at: 11/28/2025 2:49:16 PM
Comment <Comment>
Rack Number 2
Vial Numbers 36

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0067 ppm	63.7726 ppm	0.1760 ppm	0.0412 ppm	2.4535 ppm	0.0069 ppm	50.3438 ppm
Concentration per Run	0.0074 ppm	63.6600 ppm	0.1751 ppm	0.0406 ppm	2.4483 ppm	0.0069 ppm	50.1777 ppm
Concentration per Run	0.0054 ppm	63.5206 ppm	0.1765 ppm	0.0407 ppm	2.4366 ppm	0.0068 ppm	50.0917 ppm
Concentration per Run	0.0073 ppm	64.1373 ppm	0.1762 ppm	0.0423 ppm	2.4755 ppm	0.0069 ppm	50.7619 ppm
Concentration RSD	17.1 %	0.5 %	0.4 %	2.3 %	0.8 %	0.4 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0202 ppm	0.1190 ppm	0.2445 ppm	0.8070 ppm	839.5692 [SIC 800]	7.1278 ppm	0.0814 ppm
Concentration per Run	0.0199 ppm	0.1183 ppm	0.2420 ppm	0.8017 ppm	835.8544 ppm	7.1281 ppm	0.0842 ppm
Concentration per Run	0.0201 ppm	0.1198 ppm	0.2458 ppm	0.8100 ppm	834.5400 ppm	7.0677 ppm	0.0791 ppm
Concentration per Run	0.0204 ppm	0.1189 ppm	0.2456 ppm	0.8091 ppm	848.3133 ppm	7.1877 ppm	0.0809 ppm
Concentration RSD	1.2 %	0.6 %	0.9 %	0.6 %	0.9 %	0.8 %	3.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	14.4602 ppm	30.3755 [SIC 80]	0.0091 ppm	0.3269 ppm	0.2035 ppm	13.3751 ppm	0.0263 ppm
Concentration per Run	14.4659 ppm	30.2903 ppm	0.0088 ppm	0.3314 ppm	0.2035 ppm	13.4057 ppm	0.0249 ppm
Concentration per Run	14.4673 ppm	30.2503 ppm	0.0093 ppm	0.3257 ppm	0.2042 ppm	13.3709 ppm	0.0256 ppm
Concentration per Run	14.4475 ppm	30.5860 ppm	0.0092 ppm	0.3237 ppm	0.2027 ppm	13.3487 ppm	0.0283 ppm
Concentration RSD	0.1 %	0.6 %	3.3 %	1.2 %	0.4 %	0.2 %	6.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0050 ppm	6.1102 ppm	6.0162 [SIC 50]	0.2213 ppm	0.2947 ppm	-0.0015 ppm	0.2382 ppm
Concentration per Run	0.0054 ppm	6.1081 ppm	6.0059 ppm	0.2211 ppm	0.2939 ppm	-0.0002 ppm	0.2357 ppm
Concentration per Run	0.0024 ppm	6.1387 ppm	6.0446 ppm	0.2198 ppm	0.2951 ppm	-0.0019 ppm	0.2391 ppm
Concentration per Run	0.0072 ppm	6.0837 ppm	5.9981 ppm	0.2231 ppm	0.2952 ppm	-0.0025 ppm	0.2397 ppm
Concentration RSD	48.8 %	0.5 %	0.4 %	0.8 %	0.2 %	80.1 %	0.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	4.7847 ppm	96.4469 %	99.7734 %	86.3115 %	115.3572 %	120.4390 %	117.3916 %
Concentration per Run	4.7538 ppm	96.5503 %	99.8871 %	86.2822 %	115.0814 %	120.5769 %	117.7045 %
Concentration per Run	4.8161 ppm	95.7890 %	100.5859 %	85.7986 %	114.8098 %	120.7619 %	116.3258 %
Concentration per Run	4.7842 ppm	97.0015 %	98.8473 %	86.8537 %	116.1804 %	119.9781 %	118.1445 %
Concentration RSD	0.7 %	0.6 %	0.9 %	0.6 %	0.6 %	0.3 %	0.8 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2146050-3d10 WG2146050
Analysis started at: 11/28/2025 3:19:47 PM
Comment ran MS before parent accidentally
Rack Number 2
Vial Numbers 37

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0110 ppm	14.2800 ppm	0.0552 ppm	0.1954 ppm	0.8821 ppm	0.0107 ppm	12.2803 ppm
Concentration per Run	0.0109 ppm	14.4018 ppm	0.0558 ppm	0.1943 ppm	0.8888 ppm	0.0108 ppm	12.3987 ppm
Concentration per Run	0.0104 ppm	14.2744 ppm	0.0562 ppm	0.1989 ppm	0.8801 ppm	0.0107 ppm	12.2607 ppm
Concentration per Run	0.0116 ppm	14.1638 ppm	0.0535 ppm	0.1931 ppm	0.8775 ppm	0.0106 ppm	12.1814 ppm
Concentration RSD	5.2 %	0.8 %	2.7 %	1.6 %	0.7 %	1.0 %	0.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0140 ppm	0.1164 ppm	0.0822 ppm	0.1925 ppm	157.0090 ppm	3.4178 ppm	0.2406 ppm
Concentration per Run	0.0140 ppm	0.1161 ppm	0.0824 ppm	0.1920 ppm	158.5067 ppm	3.4911 ppm	0.2480 ppm
Concentration per Run	0.0139 ppm	0.1176 ppm	0.0834 ppm	0.1937 ppm	156.6316 ppm	3.3829 ppm	0.2413 ppm
Concentration per Run	0.0141 ppm	0.1156 ppm	0.0808 ppm	0.1919 ppm	155.8888 ppm	3.3795 ppm	0.2325 ppm
Concentration RSD	0.6 %	0.9 %	1.6 %	0.5 %	0.9 %	1.9 %	3.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	4.8961 ppm	6.5175 ppm	0.1714 ppm	2.2298 ppm	0.1341 ppm	2.5471 ppm	0.0413 ppm
Concentration per Run	4.8838 ppm	6.5788 ppm	0.1713 ppm	2.2528 ppm	0.1325 ppm	2.5483 ppm	0.0450 ppm
Concentration per Run	4.9071 ppm	6.5089 ppm	0.1723 ppm	2.2277 ppm	0.1348 ppm	2.5447 ppm	0.0393 ppm
Concentration per Run	4.8973 ppm	6.4648 ppm	0.1704 ppm	2.2090 ppm	0.1350 ppm	2.5483 ppm	0.0394 ppm
Concentration RSD	0.2 %	0.9 %	0.6 %	1.0 %	1.0 %	0.1 %	8.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0163 ppm	1.7816 ppm	1.1007 [SIC 50]	0.2349 ppm	0.1327 ppm	0.0219 ppm	0.1343 ppm
Concentration per Run	0.0151 ppm	1.7865 ppm	1.1002 ppm	0.2379 ppm	0.1318 ppm	0.0212 ppm	0.1342 ppm
Concentration per Run	0.0155 ppm	1.7967 ppm	1.1093 ppm	0.2346 ppm	0.1325 ppm	0.0235 ppm	0.1358 ppm
Concentration per Run	0.0184 ppm	1.7615 ppm	1.0928 ppm	0.2320 ppm	0.1338 ppm	0.0211 ppm	0.1331 ppm
Concentration RSD	11.2 %	1.0 %	0.8 %	1.2 %	0.8 %	6.3 %	1.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0520 ppm	99.0329 %	98.3383 %	96.5364 %	101.2965 %	100.6351 %	102.6284 %
Concentration per Run	1.0465 ppm	98.7645 %	97.7454 %	96.5233 %	101.0948 %	100.8235 %	102.3535 %
Concentration per Run	1.0646 ppm	98.1656 %	98.5785 %	96.2548 %	100.5155 %	100.6571 %	102.5662 %
Concentration per Run	1.0450 ppm	100.1686 %	98.6909 %	96.8311 %	102.2793 %	100.4246 %	102.9656 %
Concentration RSD	1.0 %	1.0 %	0.5 %	0.3 %	0.9 %	0.2 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2572667-15d10 WG2146050
Analysis started at: 11/28/2025 3:22:41 PM
Comment <Comment>
Rack Number 2
Vial Numbers 38

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0020 ppm	13.2659 ppm	0.0413 ppm	0.0096 ppm	0.5069 ppm	0.0015 ppm	10.6680 ppm
Concentration per Run	0.0018 ppm	13.2588 ppm	0.0409 ppm	0.0110 ppm	0.5064 ppm	0.0015 ppm	10.6317 ppm
Concentration per Run	0.0018 ppm	13.2874 ppm	0.0421 ppm	0.0080 ppm	0.5066 ppm	0.0015 ppm	10.6959 ppm
Concentration per Run	0.0025 ppm	13.2514 ppm	0.0410 ppm	0.0098 ppm	0.5077 ppm	0.0015 ppm	10.6764 ppm
Concentration RSD	19.2 %	0.1 %	1.7 %	15.7 %	0.1 %	2.8 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0041 ppm	0.0253 ppm	0.0514 ppm	0.1656 ppm	197.0957 ppm	1.4444 ppm	0.0157 ppm
Concentration per Run	0.0043 ppm	0.0254 ppm	0.0516 ppm	0.1661 ppm	196.6581 ppm	1.4555 ppm	0.0153 ppm
Concentration per Run	0.0042 ppm	0.0254 ppm	0.0514 ppm	0.1648 ppm	197.1169 ppm	1.4318 ppm	0.0166 ppm
Concentration per Run	0.0039 ppm	0.0252 ppm	0.0511 ppm	0.1660 ppm	197.5121 ppm	1.4461 ppm	0.0150 ppm
Concentration RSD	4.7 %	0.4 %	0.6 %	0.4 %	0.2 %	0.8 %	5.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	3.1759 ppm	6.5024 ppm	0.0014 ppm	0.0599 ppm	0.0426 ppm	2.7192 ppm	0.0068 ppm
Concentration per Run	3.1709 ppm	6.4789 ppm	0.0019 ppm	0.0625 ppm	0.0424 ppm	2.6900 ppm	0.0098 ppm
Concentration per Run	3.1732 ppm	6.5108 ppm	0.0011 ppm	0.0585 ppm	0.0424 ppm	2.7842 ppm	0.0026 ppm
Concentration per Run	3.1837 ppm	6.5175 ppm	0.0011 ppm	0.0586 ppm	0.0431 ppm	2.6833 ppm	0.0079 ppm
Concentration RSD	0.2 %	0.3 %	36.5 %	3.9 %	1.0 %	2.1 %	55.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0054 ppm	1.2425 ppm	1.2846 [SIC 50]	0.0455 ppm	0.0592 ppm	0.0008 ppm	0.0484 ppm
Concentration per Run	0.0042 ppm	1.2475 ppm	1.2821 ppm	0.0454 ppm	0.0594 ppm	0.0010 ppm	0.0482 ppm
Concentration per Run	0.0076 ppm	1.2423 ppm	1.2825 ppm	0.0455 ppm	0.0583 ppm	0.0016 ppm	0.0486 ppm
Concentration per Run	0.0044 ppm	1.2378 ppm	1.2892 ppm	0.0457 ppm	0.0599 ppm	-0.0001 ppm	0.0484 ppm
Concentration RSD	34.6 %	0.4 %	0.3 %	0.3 %	1.5 %	107.0 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0284 ppm	98.8878 %	98.0172 %	94.4644 %	101.8356 %	101.1239 %	101.0915 %
Concentration per Run	1.0296 ppm	99.2746 %	97.6832 %	95.4443 %	102.3155 %	100.5705 %	102.2745 %
Concentration per Run	1.0279 ppm	98.9346 %	97.6063 %	92.7764 %	101.9107 %	100.8967 %	99.4706 %
Concentration per Run	1.0277 ppm	98.4543 %	98.7622 %	95.1724 %	101.2807 %	101.9046 %	101.5293 %
Concentration RSD	0.1 %	0.4 %	0.7 %	1.6 %	0.5 %	0.7 %	1.4 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2146050-4D10 WG2146050
Analysis started at: 11/28/2025 3:24:56 PM
Comment <Comment>
Rack Number 2
Vial Numbers 39

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0117 ppm	13.8612 ppm	0.0663 ppm	0.1639 ppm	0.8972 ppm	0.0108 ppm	12.3174 ppm
Concentration per Run	0.0119 ppm	13.8742 ppm	0.0678 ppm	0.1625 ppm	0.8987 ppm	0.0108 ppm	12.3205 ppm
Concentration per Run	0.0116 ppm	13.9236 ppm	0.0653 ppm	0.1641 ppm	0.8995 ppm	0.0108 ppm	12.3622 ppm
Concentration per Run	0.0115 ppm	13.7859 ppm	0.0657 ppm	0.1651 ppm	0.8933 ppm	0.0108 ppm	12.2694 ppm
Concentration RSD	1.6 %	0.5 %	2.0 %	0.8 %	0.4 %	0.3 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0145 ppm	0.1221 ppm	0.0891 ppm	0.2283 ppm	200.5421 ppm	3.4098 ppm	0.2464 ppm
Concentration per Run	0.0144 ppm	0.1217 ppm	0.0888 ppm	0.2287 ppm	200.7527 ppm	3.4380 ppm	0.2465 ppm
Concentration per Run	0.0143 ppm	0.1224 ppm	0.0896 ppm	0.2282 ppm	201.4448 ppm	3.4020 ppm	0.2427 ppm
Concentration per Run	0.0147 ppm	0.1223 ppm	0.0889 ppm	0.2280 ppm	199.4289 ppm	3.3894 ppm	0.2500 ppm
Concentration RSD	1.4 %	0.3 %	0.5 %	0.1 %	0.5 %	0.7 %	1.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	5.3389 ppm	6.7478 ppm	0.1746 ppm	2.1359 ppm	0.1438 ppm	3.1480 ppm	0.0432 ppm
Concentration per Run	5.3411 ppm	6.7473 ppm	0.1743 ppm	2.1378 ppm	0.1435 ppm	3.1512 ppm	0.0392 ppm
Concentration per Run	5.3220 ppm	6.7813 ppm	0.1747 ppm	2.1371 ppm	0.1440 ppm	3.1526 ppm	0.0453 ppm
Concentration per Run	5.3536 ppm	6.7149 ppm	0.1749 ppm	2.1327 ppm	0.1440 ppm	3.1402 ppm	0.0451 ppm
Concentration RSD	0.3 %	0.5 %	0.2 %	0.1 %	0.2 %	0.2 %	8.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0188 ppm	1.8024 ppm	1.3399 [SIC 50]	0.2386 ppm	0.1305 ppm	0.0220 ppm	0.1410 ppm
Concentration per Run	0.0157 ppm	1.8114 ppm	1.3447 ppm	0.2393 ppm	0.1303 ppm	0.0219 ppm	0.1417 ppm
Concentration per Run	0.0199 ppm	1.8051 ppm	1.3382 ppm	0.2390 ppm	0.1306 ppm	0.0205 ppm	0.1404 ppm
Concentration per Run	0.0209 ppm	1.7908 ppm	1.3367 ppm	0.2375 ppm	0.1306 ppm	0.0235 ppm	0.1408 ppm
Concentration RSD	14.6 %	0.6 %	0.3 %	0.4 %	0.1 %	6.7 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0959 ppm	99.6942 %	99.6894 %	96.4101 %	102.1908 %	101.8335 %	102.9738 %
Concentration per Run	1.0958 ppm	99.4583 %	99.8021 %	96.0456 %	101.8808 %	101.7835 %	102.6236 %
Concentration per Run	1.0971 ppm	100.1397 %	99.2463 %	96.0921 %	102.7469 %	101.7023 %	102.6848 %
Concentration per Run	1.0948 ppm	99.4846 %	100.0199 %	97.0924 %	101.9446 %	102.0146 %	103.6131 %
Concentration RSD	0.1 %	0.4 %	0.4 %	0.6 %	0.5 %	0.2 %	0.5 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2146050-5D10 WG2146050
Analysis started at: 11/28/2025 3:27:06 PM
Comment <Comment>
Rack Number 2
Vial Numbers 40

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0291 ppm	14.9252 ppm	0.1541 ppm	0.9851 ppm	2.6245 ppm	0.0554 ppm	20.6589 ppm
Concentration per Run	0.0238 ppm	14.8634 ppm	0.1536 ppm	0.9837 ppm	2.6116 ppm	0.0550 ppm	20.6125 ppm
Concentration per Run	0.0408 ppm	14.8809 ppm	0.1517 ppm	0.9845 ppm	2.6186 ppm	0.0551 ppm	20.5808 ppm
Concentration per Run	0.0228 ppm	15.0313 ppm	0.1571 ppm	0.9871 ppm	2.6431 ppm	0.0560 ppm	20.7835 ppm
Concentration RSD	34.6 %	0.6 %	1.8 %	0.2 %	0.6 %	1.0 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0591 ppm	0.5467 ppm	0.2658 ppm	0.4337 ppm	191.5256 ppm	12.3652 ppm	0.0183 ppm
Concentration per Run	0.0589 ppm	0.5457 ppm	0.2663 ppm	0.4319 ppm	190.4783 ppm	12.2920 ppm	0.0194 ppm
Concentration per Run	0.0592 ppm	0.5473 ppm	0.2657 ppm	0.4352 ppm	191.2406 ppm	12.3387 ppm	0.0162 ppm
Concentration per Run	0.0590 ppm	0.5470 ppm	0.2654 ppm	0.4340 ppm	192.8578 ppm	12.4650 ppm	0.0193 ppm
Concentration RSD	0.3 %	0.2 %	0.2 %	0.4 %	0.6 %	0.7 %	9.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	13.1097 ppm	6.7336 ppm	0.9955 ppm	11.1526 ppm	0.5693 ppm	3.1234 ppm	0.5063 ppm
Concentration per Run	13.0815 ppm	6.7042 ppm	0.9931 ppm	11.1382 ppm	0.5689 ppm	3.1305 ppm	0.5093 ppm
Concentration per Run	13.1274 ppm	6.7134 ppm	0.9950 ppm	11.0663 ppm	0.5700 ppm	3.1187 ppm	0.5066 ppm
Concentration per Run	13.1202 ppm	6.7833 ppm	0.9983 ppm	11.2532 ppm	0.5690 ppm	3.1209 ppm	0.5031 ppm
Concentration RSD	0.2 %	0.6 %	0.3 %	0.8 %	0.1 %	0.2 %	0.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1214 ppm	2.8021 ppm	2.2746 [SIC 50]	1.0533 ppm	1.0730 ppm	0.1206 ppm	0.5949 ppm
Concentration per Run	0.1205 ppm	2.8044 ppm	2.2685 ppm	1.0510 ppm	1.0704 ppm	0.1201 ppm	0.5940 ppm
Concentration per Run	0.1217 ppm	2.7998 ppm	2.2715 ppm	1.0506 ppm	1.0767 ppm	0.1203 ppm	0.5959 ppm
Concentration per Run	0.1219 ppm	2.8021 ppm	2.2838 ppm	1.0584 ppm	1.0720 ppm	0.1215 ppm	0.5948 ppm
Concentration RSD	0.6 %	0.1 %	0.4 %	0.4 %	0.3 %	0.6 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.5265 ppm	98.5097 %	98.5560 %	94.8507 %	101.1887 %	100.5637 %	101.5749 %
Concentration per Run	1.5257 ppm	98.5034 %	98.7476 %	94.3396 %	100.8509 %	100.9485 %	101.2985 %
Concentration per Run	1.5264 ppm	98.9667 %	98.8019 %	94.9271 %	101.6655 %	100.5150 %	101.4035 %
Concentration per Run	1.5274 ppm	98.0591 %	98.1184 %	95.2853 %	101.0497 %	100.2275 %	102.0228 %
Concentration RSD	0.1 %	0.5 %	0.4 %	0.5 %	0.4 %	0.4 %	0.4 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2146050-6D50 WG2146050
Analysis started at: 11/28/2025 3:29:16 PM
Comment <Comment>
Rack Number 2
Vial Numbers 41

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0004 ppm	2.6094 ppm	0.0088 ppm	0.0027 ppm	0.1009 ppm	0.0003 ppm	2.0891 ppm
Concentration per Run	0.0003 ppm	2.6159 ppm	0.0069 ppm	0.0026 ppm	0.1011 ppm	0.0003 ppm	2.0897 ppm
Concentration per Run	-0.0001 ppm	2.6098 ppm	0.0090 ppm	0.0031 ppm	0.1009 ppm	0.0003 ppm	2.0904 ppm
Concentration per Run	0.0011 ppm	2.6025 ppm	0.0105 ppm	0.0024 ppm	0.1008 ppm	0.0003 ppm	2.0873 ppm
Concentration RSD	153.2 %	0.3 %	20.5 %	13.4 %	0.2 %	3.5 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0008 ppm	0.0054 ppm	0.0100 ppm	0.0322 ppm	40.2290 ppm	0.2554 ppm	0.0032 ppm
Concentration per Run	0.0009 ppm	0.0053 ppm	0.0101 ppm	0.0320 ppm	40.3630 ppm	0.2484 ppm	0.0035 ppm
Concentration per Run	0.0007 ppm	0.0056 ppm	0.0098 ppm	0.0322 ppm	40.1684 ppm	0.2598 ppm	0.0024 ppm
Concentration per Run	0.0008 ppm	0.0053 ppm	0.0102 ppm	0.0323 ppm	40.1557 ppm	0.2580 ppm	0.0036 ppm
Concentration RSD	8.6 %	3.5 %	2.0 %	0.4 %	0.3 %	2.4 %	22.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.6424 ppm	1.3084 ppm	0.0008 ppm	0.0014 ppm	0.0084 ppm	0.5269 ppm	0.0030 ppm
Concentration per Run	0.6408 ppm	1.3093 ppm	0.0012 ppm	0.0033 ppm	0.0082 ppm	0.5270 ppm	0.0022 ppm
Concentration per Run	0.6439 ppm	1.3089 ppm	0.0006 ppm	-0.0027 ppm	0.0085 ppm	0.5261 ppm	0.0015 ppm
Concentration per Run	0.6426 ppm	1.3069 ppm	0.0008 ppm	0.0037 ppm	0.0084 ppm	0.5276 ppm	0.0053 ppm
Concentration RSD	0.2 %	0.1 %	36.0 %	252.2 %	2.2 %	0.1 %	68.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0031 ppm	0.2502 ppm	0.2574 ppm	0.0091 ppm	0.0113 ppm	0.0006 ppm	0.0091 ppm
Concentration per Run	0.0001 ppm	0.2477 ppm	0.2578 ppm	0.0090 ppm	0.0113 ppm	0.0000 ppm	0.0088 ppm
Concentration per Run	0.0037 ppm	0.2517 ppm	0.2575 ppm	0.0090 ppm	0.0114 ppm	0.0022 ppm	0.0093 ppm
Concentration per Run	0.0054 ppm	0.2513 ppm	0.2570 ppm	0.0091 ppm	0.0112 ppm	-0.0004 ppm	0.0091 ppm
Concentration RSD	88.8 %	0.9 %	0.2 %	0.4 %	1.2 %	236.2 %	2.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2020 ppm	101.2001 %	98.5291 %	100.6884 %	100.8641 %	97.8448 %	101.0302 %
Concentration per Run	0.2009 ppm	100.9918 %	98.2357 %	100.5517 %	100.1791 %	97.4829 %	100.8648 %
Concentration per Run	0.2022 ppm	101.1865 %	99.0668 %	100.8664 %	101.3292 %	98.4775 %	101.1502 %
Concentration per Run	0.2029 ppm	101.4222 %	98.2849 %	100.6471 %	101.0840 %	97.5739 %	101.0757 %
Concentration RSD	0.5 %	0.2 %	0.5 %	0.2 %	0.6 %	0.6 %	0.1 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: CCV
Analysis started at: 11/28/2025 3:31:26 PM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5029 ppm	0.4808 ppm	0.4791 ppm	0.4765 ppm	0.5050 ppm	0.5038 ppm	0.4880 ppm
Concentration per Run	0.5052 ppm	0.4798 ppm	0.4787 ppm	0.4771 ppm	0.5057 ppm	0.5048 ppm	0.4885 ppm
Concentration per Run	0.5037 ppm	0.4777 ppm	0.4825 ppm	0.4789 ppm	0.5008 ppm	0.5012 ppm	0.4873 ppm
Concentration per Run	0.4998 ppm	0.4849 ppm	0.4761 ppm	0.4736 ppm	0.5087 ppm	0.5053 ppm	0.4881 ppm
Recovery Percentage	100.587 %	96.162 %	95.820 %	95.308 %	101.007 %	100.753 %	97.596 %
Concentration RSD	0.6 %	0.8 %	0.7 %	0.6 %	0.8 %	0.4 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5120 ppm	0.5086 ppm	0.5161 ppm	0.5163 ppm	0.4957 ppm	5.2291 ppm	0.5541 ppm
Concentration per Run	0.5135 ppm	0.5091 ppm	0.5169 ppm	0.5176 ppm	0.5005 ppm	5.2491 ppm	0.5464 ppm
Concentration per Run	0.5134 ppm	0.5092 ppm	0.5165 ppm	0.5175 ppm	0.4889 ppm	5.1992 ppm	0.5596 ppm
Concentration per Run	0.5091 ppm	0.5077 ppm	0.5150 ppm	0.5138 ppm	0.4978 ppm	5.2389 ppm	0.5564 ppm
Recovery Percentage	102.400 %	101.729 %	103.226 %	103.268 %	99.141 %	104.582 %	110.825 %
Concentration RSD	0.5 %	0.2 %	0.2 %	0.4 %	1.2 %	0.5 %	1.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5003 ppm	0.5069 ppm	0.4838 ppm	10.3682 ppm	0.5086 ppm	0.4944 ppm	0.5005 ppm
Concentration per Run	0.5018 ppm	0.5080 ppm	0.4845 ppm	10.3480 ppm	0.5084 ppm	0.4934 ppm	0.5000 ppm
Concentration per Run	0.5008 ppm	0.5046 ppm	0.4841 ppm	10.3724 ppm	0.5127 ppm	0.4954 ppm	0.5030 ppm
Concentration per Run	0.4982 ppm	0.5082 ppm	0.4828 ppm	10.3842 ppm	0.5048 ppm	0.4945 ppm	0.4985 ppm
Recovery Percentage	100.056 %	101.386 %	96.764 %	103.682 %	101.727 %	98.884 %	100.108 %
Concentration RSD	0.4 %	0.4 %	0.2 %	0.2 %	0.8 %	0.2 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4707 ppm	5.3446 ppm	0.4935 ppm	0.4992 ppm	0.4908 ppm	0.4898 ppm	0.5109 ppm
Concentration per Run	0.4718 ppm	5.3480 ppm	0.4939 ppm	0.5001 ppm	0.4898 ppm	0.4911 ppm	0.5128 ppm
Concentration per Run	0.4699 ppm	5.3512 ppm	0.4898 ppm	0.4951 ppm	0.4916 ppm	0.4894 ppm	0.5116 ppm
Concentration per Run	0.4703 ppm	5.3347 ppm	0.4967 ppm	0.5025 ppm	0.4911 ppm	0.4889 ppm	0.5083 ppm
Recovery Percentage	94.136 %	101.803 %	98.694 %	99.843 %	98.169 %	97.967 %	102.174 %
Concentration RSD	0.2 %	0.2 %	0.7 %	0.8 %	0.2 %	0.2 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4982 ppm	100.2682 %	98.1907 %	100.5296 %	99.2476 %	96.5471 %	99.3072 %
Concentration per Run	0.5014 ppm	100.0727 %	98.6183 %	100.8550 %	98.9220 %	97.1436 %	99.6897 %
Concentration per Run	0.4979 ppm	99.9591 %	99.0375 %	100.2273 %	98.8414 %	96.8447 %	98.9420 %
Concentration per Run	0.4952 ppm	100.7729 %	96.9164 %	100.5066 %	99.9794 %	95.6529 %	99.2898 %
Recovery Percentage	99.632 %						
Concentration RSD	0.6 %	0.4 %	1.1 %	0.3 %	0.6 %	0.8 %	0.4 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: CCB
Analysis started at: 11/28/2025 3:33:36 PM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	0.0056 ppm	-0.0009 ppm	0.0002 ppm	0.0001 ppm	0.0000 ppm	-0.0013 ppm
Concentration per Run	0.0003 ppm	0.0054 ppm	-0.0002 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0036 ppm
Concentration per Run	-0.0002 ppm	0.0046 ppm	0.0001 ppm	0.0009 ppm	0.0003 ppm	0.0000 ppm	-0.0058 ppm
Concentration per Run	0.0003 ppm	0.0067 ppm	-0.0025 ppm	-0.0005 ppm	0.0001 ppm	0.0000 ppm	-0.0017 ppm
Recovery Percentage	2.202 %	5.561 %	-17.797 %	0.659 %	1.349 %	0.434 %	-1.308 %
Concentration RSD	177.7 %	18.6 %	158.9 %	357.8 %	134.7 %	46.4 %	360.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0003 ppm	0.0003 ppm	-0.0002 ppm	0.0002 ppm	-0.0358 ppm	-0.0005 ppm
Concentration per Run	0.0001 ppm	-0.0002 ppm	0.0008 ppm	-0.0002 ppm	-0.0003 ppm	-0.0428 ppm	-0.0019 ppm
Concentration per Run	0.0000 ppm	-0.0003 ppm	0.0003 ppm	-0.0004 ppm	-0.0008 ppm	-0.0600 ppm	0.0014 ppm
Concentration per Run	-0.0001 ppm	-0.0003 ppm	-0.0001 ppm	0.0000 ppm	0.0018 ppm	-0.0046 ppm	-0.0011 ppm
Recovery Percentage	0.244 %	-1.390 %	3.194 %	-1.787 %	0.498 %	-1.431 %	-10.817 %
Concentration RSD	882.1 %	34.9 %	146.6 %	116.3 %	551.3 %	79.2 %	323.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0012 ppm	0.0001 ppm	-0.0001 ppm	-0.0084 ppm	-0.0011 ppm	-0.0008 ppm	0.0001 ppm
Concentration per Run	0.0006 ppm	-0.0001 ppm	0.0001 ppm	-0.0131 ppm	-0.0012 ppm	-0.0008 ppm	0.0030 ppm
Concentration per Run	-0.0034 ppm	0.0002 ppm	-0.0001 ppm	-0.0025 ppm	-0.0006 ppm	-0.0006 ppm	0.0002 ppm
Concentration per Run	-0.0008 ppm	0.0000 ppm	-0.0003 ppm	-0.0097 ppm	-0.0015 ppm	-0.0008 ppm	-0.0029 ppm
Recovery Percentage	-1.179 %	0.554 %	-0.214 %	-0.422 %	-4.414 %	-7.597 %	0.205 %
Concentration RSD	172.3 %	220.3 %	230.0 %	63.9 %	42.3 %	13.6 %	2,835.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0037 ppm	0.0030 ppm	0.0011 ppm	0.0002 ppm	-0.0003 ppm	0.0004 ppm	-0.0003 ppm
Concentration per Run	0.0033 ppm	-0.0011 ppm	0.0005 ppm	0.0001 ppm	-0.0002 ppm	0.0004 ppm	-0.0002 ppm
Concentration per Run	0.0047 ppm	0.0054 ppm	0.0021 ppm	0.0003 ppm	-0.0006 ppm	-0.0004 ppm	-0.0004 ppm
Concentration per Run	0.0033 ppm	0.0048 ppm	0.0007 ppm	0.0003 ppm	-0.0001 ppm	0.0012 ppm	-0.0002 ppm
Recovery Percentage	37.395 %	0.603 %	2.245 %	2.211 %	-2.850 %	1.979 %	-2.605 %
Concentration RSD	22.3 %	119.9 %	78.3 %	39.7 %	86.8 %	193.9 %	33.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	98.3711 %	96.1635 %	98.9491 %	99.4087 %	96.1756 %	98.5775 %
Concentration per Run	0.0002 ppm	98.4949 %	97.2245 %	98.7676 %	99.8454 %	96.4005 %	98.2019 %
Concentration per Run	0.0004 ppm	97.8298 %	95.5742 %	99.0540 %	98.4646 %	96.2569 %	98.7031 %
Concentration per Run	0.0000 ppm	98.7886 %	95.6919 %	99.0256 %	99.9159 %	95.8693 %	98.8276 %
Recovery Percentage	3.650 %						
Concentration RSD	106.9 %	0.5 %	1.0 %	0.2 %	0.8 %	0.3 %	0.3 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: WG2147181-1 WG2147181
Analysis started at: 11/28/2025 3:48:33 PM
Comment <Comment>
Rack Number 2
Vial Numbers 42

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	0.0061 ppm	-0.0014 ppm	-0.0005 ppm	0.0002 ppm	0.0000 ppm	0.0011 ppm
Concentration per Run	0.0000 ppm	-0.0013 ppm	-0.0019 ppm	0.0013 ppm	0.0001 ppm	0.0000 ppm	0.0004 ppm
Concentration per Run	0.0001 ppm	0.0079 ppm	0.0004 ppm	-0.0017 ppm	0.0003 ppm	0.0000 ppm	0.0017 ppm
Concentration per Run	0.0006 ppm	0.0116 ppm	-0.0027 ppm	-0.0010 ppm	0.0002 ppm	0.0000 ppm	0.0014 ppm
Recovery Percentage	2.919 %	6.078 %	-28.460 %	-1.548 %	1.934 %	0.663 %	1.144 %
Concentration RSD	152.7 %	108.9 %	115.5 %	330.6 %	43.6 %	58.8 %	60.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0003 ppm	0.0004 ppm	-0.0004 ppm	0.0005 ppm	-0.0392 ppm	0.0012 ppm
Concentration per Run	0.0001 ppm	-0.0002 ppm	0.0003 ppm	-0.0002 ppm	0.0012 ppm	-0.0296 ppm	0.0006 ppm
Concentration per Run	0.0000 ppm	-0.0003 ppm	0.0003 ppm	-0.0007 ppm	0.0010 ppm	-0.0470 ppm	0.0022 ppm
Concentration per Run	0.0000 ppm	-0.0004 ppm	0.0004 ppm	-0.0004 ppm	-0.0006 ppm	-0.0409 ppm	0.0007 ppm
Recovery Percentage	0.360 %	-1.536 %	3.515 %	-4.266 %	1.057 %	-1.567 %	23.066 %
Concentration RSD	415.2 %	20.2 %	11.8 %	64.6 %	184.0 %	22.6 %	79.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0002 ppm	-0.0002 ppm	-0.0001 ppm	-0.0146 ppm	-0.0008 ppm	-0.0014 ppm	0.0030 ppm
Concentration per Run	0.0012 ppm	-0.0004 ppm	0.0005 ppm	-0.0211 ppm	-0.0012 ppm	-0.0012 ppm	0.0036 ppm
Concentration per Run	-0.0015 ppm	-0.0001 ppm	-0.0005 ppm	-0.0129 ppm	0.0006 ppm	-0.0009 ppm	0.0045 ppm
Concentration per Run	-0.0004 ppm	-0.0001 ppm	-0.0002 ppm	-0.0099 ppm	-0.0018 ppm	-0.0020 ppm	0.0011 ppm
Recovery Percentage	-0.211 %	-1.843 %	-0.158 %	-0.731 %	-3.249 %	-13.842 %	6.068 %
Concentration RSD	645.1 %	103.4 %	631.4 %	39.5 %	156.4 %	39.2 %	58.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0025 ppm	0.0095 ppm	-0.0005 ppm	0.0001 ppm	-0.0004 ppm	0.0012 ppm	-0.0003 ppm
Concentration per Run	0.0022 ppm	0.0091 ppm	-0.0007 ppm	0.0001 ppm	-0.0005 ppm	0.0010 ppm	-0.0002 ppm
Concentration per Run	0.0010 ppm	0.0074 ppm	-0.0004 ppm	0.0002 ppm	-0.0004 ppm	0.0013 ppm	-0.0004 ppm
Concentration per Run	0.0043 ppm	0.0118 ppm	-0.0003 ppm	0.0001 ppm	-0.0004 ppm	0.0012 ppm	-0.0004 ppm
Recovery Percentage	25.121 %	1.890 %	-0.929 %	1.236 %	-4.130 %	5.985 %	-3.391 %
Concentration RSD	66.0 %	23.0 %	36.0 %	35.4 %	17.5 %	14.5 %	31.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0019 ppm	100.3012 %	98.3696 %	101.7778 %	101.2975 %	99.1373 %	101.1923 %
Concentration per Run	0.0018 ppm	99.7701 %	97.6437 %	101.5011 %	100.7426 %	99.1706 %	100.8195 %
Concentration per Run	0.0021 ppm	100.3591 %	98.0400 %	101.8822 %	101.3417 %	97.7949 %	101.3222 %
Concentration per Run	0.0019 ppm	100.7745 %	99.4251 %	101.9501 %	101.8081 %	100.4463 %	101.4353 %
Recovery Percentage	38.484 %						
Concentration RSD	8.5 %	0.5 %	1.0 %	0.2 %	0.5 %	1.3 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2147181-2 WG2147181
Analysis started at: 11/28/2025 3:50:54 PM
Comment <Comment>
Rack Number 2
Vial Numbers 43

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0467 ppm	1.8937 ppm	0.1151 ppm	0.9727 ppm	1.8829 ppm	0.0470 ppm	10.0966 ppm
Concentration per Run	0.0471 ppm	1.9022 ppm	0.1155 ppm	0.9699 ppm	1.8858 ppm	0.0471 ppm	10.1081 ppm
Concentration per Run	0.0471 ppm	1.8924 ppm	0.1159 ppm	0.9736 ppm	1.8831 ppm	0.0471 ppm	10.1142 ppm
Concentration per Run	0.0460 ppm	1.8865 ppm	0.1139 ppm	0.9747 ppm	1.8797 ppm	0.0469 ppm	10.0674 ppm
Concentration RSD	1.3 %	0.4 %	0.9 %	0.3 %	0.2 %	0.2 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0536 ppm	0.4640 ppm	0.1897 ppm	0.2362 ppm	0.9333 ppm	10.5605 ppm	1.0828 ppm
Concentration per Run	0.0534 ppm	0.4638 ppm	0.1890 ppm	0.2351 ppm	0.9361 ppm	10.5945 ppm	1.0839 ppm
Concentration per Run	0.0539 ppm	0.4646 ppm	0.1900 ppm	0.2376 ppm	0.9341 ppm	10.5385 ppm	1.0783 ppm
Concentration per Run	0.0535 ppm	0.4635 ppm	0.1903 ppm	0.2358 ppm	0.9295 ppm	10.5484 ppm	1.0864 ppm
Concentration RSD	0.5 %	0.1 %	0.4 %	0.6 %	0.4 %	0.3 %	0.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	9.9195 ppm	0.4673 ppm	0.9767 ppm	10.2833 ppm	0.4709 ppm	0.5146 ppm	0.4560 ppm
Concentration per Run	9.8528 ppm	0.4677 ppm	0.9733 ppm	10.2224 ppm	0.4711 ppm	0.5144 ppm	0.4412 ppm
Concentration per Run	9.9469 ppm	0.4671 ppm	0.9778 ppm	10.2704 ppm	0.4707 ppm	0.5122 ppm	0.4634 ppm
Concentration per Run	9.9589 ppm	0.4671 ppm	0.9790 ppm	10.3570 ppm	0.4710 ppm	0.5172 ppm	0.4635 ppm
Concentration RSD	0.6 %	0.1 %	0.3 %	0.7 %	0.0 %	0.5 %	2.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1142 ppm	0.6497 ppm	0.9662 ppm	0.9793 ppm	0.9868 ppm	0.1171 ppm	0.4833 ppm
Concentration per Run	0.1143 ppm	0.6468 ppm	0.9688 ppm	0.9802 ppm	0.9839 ppm	0.1187 ppm	0.4820 ppm
Concentration per Run	0.1144 ppm	0.6498 ppm	0.9677 ppm	0.9792 ppm	0.9858 ppm	0.1159 ppm	0.4857 ppm
Concentration per Run	0.1137 ppm	0.6524 ppm	0.9621 ppm	0.9784 ppm	0.9907 ppm	0.1166 ppm	0.4821 ppm
Concentration RSD	0.3 %	0.4 %	0.4 %	0.1 %	0.4 %	1.3 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4727 ppm	100.1863 %	99.0013 %	99.4770 %	98.3690 %	97.8303 %	98.9426 %
Concentration per Run	0.4742 ppm	100.0849 %	99.2029 %	99.0815 %	98.1853 %	98.1593 %	98.3418 %
Concentration per Run	0.4726 ppm	100.3034 %	99.0954 %	100.0487 %	98.7343 %	97.8139 %	99.2768 %
Concentration per Run	0.4715 ppm	100.1706 %	98.7055 %	99.3010 %	98.1874 %	97.5178 %	99.2092 %
Concentration RSD	0.3 %	0.1 %	0.3 %	0.5 %	0.3 %	0.3 %	0.5 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2575346-01 WG2147181
Analysis started at: 11/28/2025 3:53:04 PM
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Rack Number 2
Vial Numbers 49

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	0.1942 ppm	0.0003 ppm	0.0197 ppm	0.0509 ppm	0.0001 ppm	82.6759 ppm
Concentration per Run	-0.0003 ppm	0.1960 ppm	-0.0009 ppm	0.0177 ppm	0.0513 ppm	0.0000 ppm	82.8383 ppm
Concentration per Run	-0.0003 ppm	0.1977 ppm	-0.0002 ppm	0.0204 ppm	0.0507 ppm	0.0001 ppm	82.5413 ppm
Concentration per Run	-0.0001 ppm	0.1889 ppm	0.0019 ppm	0.0210 ppm	0.0508 ppm	0.0001 ppm	82.6480 ppm
Concentration RSD	63.3 %	2.4 %	571.6 %	9.0 %	0.6 %	40.5 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0001 ppm	-0.0002 ppm	0.0006 ppm	0.0452 ppm	3.4025 ppm	0.0123 ppm
Concentration per Run	0.0000 ppm	-0.0008 ppm	-0.0002 ppm	0.0007 ppm	0.0446 ppm	3.4448 ppm	0.0138 ppm
Concentration per Run	0.0000 ppm	0.0007 ppm	0.0001 ppm	0.0006 ppm	0.0458 ppm	3.3930 ppm	0.0137 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	-0.0004 ppm	0.0006 ppm	0.0451 ppm	3.3698 ppm	0.0095 ppm
Concentration RSD	396.9 %	1,288.2 %	138.7 %	11.3 %	1.3 %	1.1 %	19.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	25.4795 ppm	0.0756 ppm	0.0018 ppm	70.2120 ppm	0.0040 ppm	-0.0016 ppm	0.0037 ppm
Concentration per Run	25.4916 ppm	0.0757 ppm	0.0015 ppm	70.3571 ppm	0.0036 ppm	-0.0027 ppm	0.0042 ppm
Concentration per Run	25.4660 ppm	0.0754 ppm	0.0021 ppm	70.0578 ppm	0.0046 ppm	-0.0008 ppm	0.0035 ppm
Concentration per Run	25.4810 ppm	0.0756 ppm	0.0019 ppm	70.2211 ppm	0.0038 ppm	-0.0011 ppm	0.0034 ppm
Concentration RSD	0.1 %	0.2 %	15.8 %	0.2 %	13.6 %	67.7 %	11.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0013 ppm	2.9584 ppm	0.0016 ppm	0.6137 ppm	0.0010 ppm	0.0006 ppm	0.0000 ppm
Concentration per Run	0.0002 ppm	2.9482 ppm	0.0015 ppm	0.6153 ppm	0.0009 ppm	0.0010 ppm	0.0000 ppm
Concentration per Run	0.0009 ppm	2.9493 ppm	0.0016 ppm	0.6137 ppm	0.0014 ppm	0.0007 ppm	-0.0002 ppm
Concentration per Run	0.0029 ppm	2.9777 ppm	0.0016 ppm	0.6120 ppm	0.0007 ppm	0.0001 ppm	0.0002 ppm
Concentration RSD	105.6 %	0.6 %	5.0 %	0.3 %	35.5 %	74.6 %	3,889.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0036 ppm	97.5616 %	99.4352 %	95.1297 %	95.9285 %	97.9736 %	96.4766 %
Concentration per Run	0.0037 ppm	98.1125 %	99.3724 %	95.5407 %	96.6662 %	97.9345 %	96.7793 %
Concentration per Run	0.0035 ppm	97.3377 %	100.0258 %	94.8951 %	95.3558 %	98.6342 %	96.4920 %
Concentration per Run	0.0035 ppm	97.2348 %	98.9073 %	94.9532 %	95.7635 %	97.3520 %	96.1586 %
Concentration RSD	3.6 %	0.5 %	0.6 %	0.4 %	0.7 %	0.7 %	0.3 %

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LabBook: WG2147204_11282025T11.imexp

Sample: L2575346-02 WG2147181
Analysis started at: 11/28/2025 3:55:14 PM
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Rack Number 2
Vial Numbers 50

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.1990 ppm	-0.0011 ppm	0.0194 ppm	0.0495 ppm	0.0001 ppm	80.5692 ppm
Concentration per Run	-0.0005 ppm	0.2004 ppm	-0.0007 ppm	0.0195 ppm	0.0496 ppm	0.0001 ppm	80.3209 ppm
Concentration per Run	0.0002 ppm	0.1956 ppm	-0.0013 ppm	0.0185 ppm	0.0495 ppm	0.0001 ppm	80.8071 ppm
Concentration per Run	0.0001 ppm	0.2008 ppm	-0.0014 ppm	0.0203 ppm	0.0493 ppm	0.0000 ppm	80.5796 ppm
Concentration RSD	728.6 %	1.4 %	31.5 %	4.5 %	0.3 %	82.1 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0004 ppm	0.0006 ppm	0.0570 ppm	3.1088 ppm	0.0094 ppm
Concentration per Run	-0.0001 ppm	-0.0001 ppm	0.0008 ppm	0.0008 ppm	0.0579 ppm	3.1143 ppm	0.0079 ppm
Concentration per Run	-0.0002 ppm	0.0002 ppm	0.0003 ppm	0.0003 ppm	0.0566 ppm	3.1168 ppm	0.0107 ppm
Concentration per Run	-0.0001 ppm	-0.0002 ppm	0.0000 ppm	0.0008 ppm	0.0566 ppm	3.0951 ppm	0.0095 ppm
Concentration RSD	64.1 %	840.7 %	102.4 %	48.6 %	1.3 %	0.4 %	14.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	24.7545 ppm	0.0589 ppm	0.0013 ppm	69.3500 ppm	0.0041 ppm	-0.0024 ppm	0.0035 ppm
Concentration per Run	24.7630 ppm	0.0586 ppm	0.0011 ppm	69.4991 ppm	0.0041 ppm	-0.0021 ppm	0.0025 ppm
Concentration per Run	24.7429 ppm	0.0590 ppm	0.0018 ppm	69.2044 ppm	0.0044 ppm	-0.0026 ppm	0.0063 ppm
Concentration per Run	24.7576 ppm	0.0591 ppm	0.0011 ppm	69.3466 ppm	0.0038 ppm	-0.0025 ppm	0.0015 ppm
Concentration RSD	0.0 %	0.4 %	27.2 %	0.2 %	7.3 %	11.9 %	72.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0002 ppm	2.8920 ppm	0.0008 ppm	0.5937 ppm	0.0018 ppm	0.0017 ppm	0.0000 ppm
Concentration per Run	0.0013 ppm	2.8893 ppm	0.0000 ppm	0.5938 ppm	0.0018 ppm	0.0013 ppm	-0.0001 ppm
Concentration per Run	-0.0022 ppm	2.8954 ppm	0.0006 ppm	0.5952 ppm	0.0017 ppm	0.0030 ppm	-0.0001 ppm
Concentration per Run	0.0002 ppm	2.8914 ppm	0.0019 ppm	0.5922 ppm	0.0018 ppm	0.0009 ppm	0.0002 ppm
Concentration RSD	765.6 %	0.1 %	120.8 %	0.3 %	5.2 %	63.4 %	3,432.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0028 ppm	97.7301 %	98.9324 %	95.2902 %	95.7457 %	97.3540 %	96.5095 %
Concentration per Run	0.0030 ppm	96.6554 %	99.6049 %	95.5642 %	94.9882 %	98.0390 %	96.7550 %
Concentration per Run	0.0030 ppm	98.2858 %	98.2378 %	95.3366 %	95.8021 %	96.5411 %	96.4120 %
Concentration per Run	0.0025 ppm	98.2491 %	98.9545 %	94.9697 %	96.4467 %	97.4820 %	96.3614 %
Concentration RSD	10.5 %	1.0 %	0.7 %	0.3 %	0.8 %	0.8 %	0.2 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2575359-01 WG2147181
Analysis started at: 11/28/2025 3:57:24 PM
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Rack Number 2
Vial Numbers 51

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0006 ppm	-0.0007 ppm	0.0015 ppm	0.5778 ppm	0.0285 ppm	0.0000 ppm	519.8103 ppm
Concentration per Run	-0.0009 ppm	0.0067 ppm	0.0027 ppm	0.5799 ppm	0.0286 ppm	0.0000 ppm	519.0357 ppm
Concentration per Run	-0.0001 ppm	-0.0075 ppm	0.0014 ppm	0.5760 ppm	0.0283 ppm	0.0000 ppm	518.4002 ppm
Concentration per Run	-0.0008 ppm	-0.0012 ppm	0.0006 ppm	0.5774 ppm	0.0286 ppm	0.0000 ppm	521.9949 ppm
Concentration RSD	70.9 %	1,058.6 %	69.2 %	0.3 %	0.7 %	136.2 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0017 ppm	-0.0001 ppm	0.0004 ppm	0.0055 ppm	96.8168 ppm	0.1418 ppm
Concentration per Run	0.0002 ppm	0.0021 ppm	0.0000 ppm	0.0000 ppm	0.0065 ppm	96.3822 ppm	0.1391 ppm
Concentration per Run	0.0003 ppm	0.0019 ppm	-0.0002 ppm	0.0001 ppm	0.0050 ppm	96.5926 ppm	0.1412 ppm
Concentration per Run	0.0002 ppm	0.0010 ppm	-0.0002 ppm	0.0012 ppm	0.0052 ppm	97.4758 ppm	0.1451 ppm
Concentration RSD	25.7 %	34.3 %	100.5 %	151.8 %	14.6 %	0.6 %	2.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	186.8489 ppm	5.3224 ppm	0.0044 ppm	1,549.2328 [SIC 800]	0.0060 ppm	-0.0034 ppm	0.0012 ppm
Concentration per Run	187.6484 ppm	5.3237 ppm	0.0044 ppm	1,550.2849 ppm	0.0055 ppm	-0.0042 ppm	-0.0017 ppm
Concentration per Run	186.4615 ppm	5.3056 ppm	0.0041 ppm	1,551.9927 ppm	0.0064 ppm	-0.0028 ppm	0.0015 ppm
Concentration per Run	186.4369 ppm	5.3380 ppm	0.0047 ppm	1,545.4208 ppm	0.0062 ppm	-0.0031 ppm	0.0036 ppm
Concentration RSD	0.4 %	0.3 %	5.9 %	0.2 %	8.3 %	21.1 %	229.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0001 ppm	6.7087 ppm	0.0000 ppm	9.1309 ppm	0.0001 ppm	0.0012 ppm	-0.0006 ppm
Concentration per Run	-0.0029 ppm	6.7303 ppm	-0.0001 ppm	9.1059 ppm	-0.0002 ppm	-0.0003 ppm	-0.0003 ppm
Concentration per Run	-0.0003 ppm	6.7174 ppm	-0.0001 ppm	9.0853 ppm	0.0001 ppm	0.0033 ppm	-0.0010 ppm
Concentration per Run	0.0029 ppm	6.6783 ppm	0.0001 ppm	9.2017 ppm	0.0004 ppm	0.0004 ppm	-0.0005 ppm
Concentration RSD	2,799.8 %	0.4 %	231.1 %	0.7 %	258.0 %	165.3 %	61.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0005 ppm	81.8545 %	93.2916 %	76.1267 %	80.0167 %	91.4802 %	82.1928 %
Concentration per Run	0.0004 ppm	81.1685 %	92.7691 %	76.3091 %	79.5255 %	91.0915 %	82.2624 %
Concentration per Run	0.0003 ppm	81.7282 %	93.6643 %	76.1254 %	79.9039 %	91.5945 %	82.4829 %
Concentration per Run	0.0007 ppm	82.6667 %	93.4414 %	75.9457 %	80.6207 %	91.7547 %	81.8330 %
Concentration RSD	45.1 %	0.9 %	0.5 %	0.2 %	0.7 %	0.4 %	0.4 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2575402-01 WG2147181
Analysis started at: 11/28/2025 3:59:34 PM
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Rack Number 2
Vial Numbers 44

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.8636 ppm	0.0006 ppm	0.1392 ppm	0.0374 ppm	0.0001 ppm	33.2054 ppm
Concentration per Run	-0.0007 ppm	0.8630 ppm	0.0007 ppm	0.1371 ppm	0.0373 ppm	0.0001 ppm	33.2055 ppm
Concentration per Run	0.0003 ppm	0.8572 ppm	0.0025 ppm	0.1426 ppm	0.0374 ppm	0.0001 ppm	33.2116 ppm
Concentration per Run	0.0000 ppm	0.8706 ppm	-0.0014 ppm	0.1378 ppm	0.0373 ppm	0.0001 ppm	33.1991 ppm
Concentration RSD	414.9 %	0.8 %	324.4 %	2.1 %	0.1 %	19.5 %	0.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0009 ppm	0.0028 ppm	0.0026 ppm	1.7209 ppm	14.1375 ppm	0.0097 ppm
Concentration per Run	0.0001 ppm	0.0015 ppm	0.0033 ppm	0.0025 ppm	1.7092 ppm	14.0386 ppm	0.0092 ppm
Concentration per Run	-0.0001 ppm	0.0006 ppm	0.0019 ppm	0.0027 ppm	1.7334 ppm	14.2679 ppm	0.0099 ppm
Concentration per Run	-0.0001 ppm	0.0006 ppm	0.0032 ppm	0.0027 ppm	1.7202 ppm	14.1061 ppm	0.0099 ppm
Concentration RSD	243.4 %	59.8 %	28.0 %	3.3 %	0.7 %	0.8 %	4.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	37.9227 ppm	0.0927 ppm	0.0009 ppm	267.2016 ppm	0.0022 ppm	0.0012 ppm	0.0012 ppm
Concentration per Run	37.8995 ppm	0.0926 ppm	0.0015 ppm	266.5863 ppm	0.0021 ppm	0.0031 ppm	0.0027 ppm
Concentration per Run	38.0008 ppm	0.0925 ppm	0.0002 ppm	266.3580 ppm	0.0022 ppm	-0.0011 ppm	0.0009 ppm
Concentration per Run	37.8678 ppm	0.0930 ppm	0.0009 ppm	268.6603 ppm	0.0022 ppm	0.0015 ppm	0.0000 ppm
Concentration RSD	0.2 %	0.3 %	75.2 %	0.5 %	2.3 %	177.2 %	113.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0027 ppm	2.9060 ppm	-0.0008 ppm	0.2937 ppm	0.0408 ppm	0.0018 ppm	0.0033 ppm
Concentration per Run	0.0065 ppm	2.8921 ppm	-0.0023 ppm	0.2938 ppm	0.0409 ppm	0.0012 ppm	0.0035 ppm
Concentration per Run	0.0037 ppm	2.9234 ppm	-0.0009 ppm	0.2935 ppm	0.0411 ppm	0.0030 ppm	0.0033 ppm
Concentration per Run	-0.0019 ppm	2.9027 ppm	0.0007 ppm	0.2938 ppm	0.0405 ppm	0.0012 ppm	0.0032 ppm
Concentration RSD	156.4 %	0.5 %	189.3 %	0.1 %	0.7 %	57.1 %	5.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0130 ppm	95.1183 %	98.5552 %	92.1043 %	93.6579 %	97.0478 %	94.9744 %
Concentration per Run	0.0130 ppm	95.2518 %	99.0201 %	91.7940 %	94.0136 %	97.6009 %	94.6870 %
Concentration per Run	0.0131 ppm	95.1804 %	97.9891 %	92.8402 %	93.4793 %	96.3823 %	95.7176 %
Concentration per Run	0.0129 ppm	94.9228 %	98.6563 %	91.6787 %	93.4807 %	97.1603 %	94.5187 %
Concentration RSD	0.7 %	0.2 %	0.5 %	0.7 %	0.3 %	0.6 %	0.7 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2147181-3 WG2147181
Analysis started at: 11/28/2025 4:01:45 PM
Comment <Comment>
Rack Number 2
Vial Numbers 45

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0456 ppm	2.7144 ppm	0.1176 ppm	1.0755 ppm	1.8422 ppm	0.0456 ppm	41.9864 ppm
Concentration per Run	0.0460 ppm	2.7154 ppm	0.1164 ppm	1.0796 ppm	1.8403 ppm	0.0457 ppm	41.9189 ppm
Concentration per Run	0.0454 ppm	2.7151 ppm	0.1171 ppm	1.0717 ppm	1.8493 ppm	0.0458 ppm	41.9872 ppm
Concentration per Run	0.0453 ppm	2.7128 ppm	0.1194 ppm	1.0752 ppm	1.8370 ppm	0.0454 ppm	42.0531 ppm
Concentration RSD	0.9 %	0.1 %	1.3 %	0.4 %	0.3 %	0.4 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0511 ppm	0.4389 ppm	0.1840 ppm	0.2256 ppm	2.5614 ppm	24.1575 ppm	1.0534 ppm
Concentration per Run	0.0513 ppm	0.4403 ppm	0.1851 ppm	0.2261 ppm	2.5536 ppm	24.1195 ppm	1.0568 ppm
Concentration per Run	0.0509 ppm	0.4363 ppm	0.1830 ppm	0.2250 ppm	2.5780 ppm	24.2107 ppm	1.0612 ppm
Concentration per Run	0.0510 ppm	0.4403 ppm	0.1840 ppm	0.2255 ppm	2.5526 ppm	24.1422 ppm	1.0422 ppm
Concentration RSD	0.4 %	0.5 %	0.6 %	0.2 %	0.6 %	0.2 %	0.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	46.3797 ppm	0.5366 ppm	0.9523 ppm	271.6415 ppm	0.4432 ppm	0.4957 ppm	0.4499 ppm
Concentration per Run	46.6780 ppm	0.5373 ppm	0.9552 ppm	271.4078 ppm	0.4429 ppm	0.4961 ppm	0.4435 ppm
Concentration per Run	46.0854 ppm	0.5376 ppm	0.9485 ppm	273.0035 ppm	0.4439 ppm	0.4954 ppm	0.4505 ppm
Concentration per Run	46.3756 ppm	0.5348 ppm	0.9532 ppm	270.5131 ppm	0.4427 ppm	0.4956 ppm	0.4558 ppm
Concentration RSD	0.6 %	0.3 %	0.4 %	0.5 %	0.1 %	0.1 %	1.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1180 ppm	3.6638 ppm	0.8976 ppm	1.2189 ppm	0.9932 ppm	0.1071 ppm	0.4749 ppm
Concentration per Run	0.1203 ppm	3.6744 ppm	0.8973 ppm	1.2170 ppm	0.9988 ppm	0.1072 ppm	0.4769 ppm
Concentration per Run	0.1174 ppm	3.6574 ppm	0.8953 ppm	1.2236 ppm	0.9880 ppm	0.1064 ppm	0.4746 ppm
Concentration per Run	0.1161 ppm	3.6595 ppm	0.9003 ppm	1.2160 ppm	0.9928 ppm	0.1078 ppm	0.4732 ppm
Concentration RSD	1.8 %	0.3 %	0.3 %	0.3 %	0.5 %	0.7 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4665 ppm	95.5612 %	98.2370 %	91.6937 %	93.7624 %	96.6447 %	94.6049 %
Concentration per Run	0.4692 ppm	95.0956 %	98.0937 %	91.7379 %	93.2566 %	96.6448 %	94.5002 %
Concentration per Run	0.4634 ppm	96.6736 %	97.2667 %	91.5257 %	94.8156 %	96.0092 %	94.4412 %
Concentration per Run	0.4670 ppm	94.9146 %	99.3506 %	91.8176 %	93.2149 %	97.2801 %	94.8733 %
Concentration RSD	0.6 %	1.0 %	1.1 %	0.2 %	1.0 %	0.7 %	0.2 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: WG2147181-4 WG2147181
Analysis started at: 11/28/2025 4:03:55 PM
Comment <Comment>
Rack Number 2
Vial Numbers 46

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0005 ppm	0.8610 ppm	0.0008 ppm	0.1447 ppm	0.0383 ppm	0.0001 ppm	34.0983 ppm
Concentration per Run	-0.0013 ppm	0.8596 ppm	0.0009 ppm	0.1461 ppm	0.0384 ppm	0.0001 ppm	33.8381 ppm
Concentration per Run	0.0000 ppm	0.8546 ppm	-0.0009 ppm	0.1452 ppm	0.0385 ppm	0.0001 ppm	34.2147 ppm
Concentration per Run	-0.0001 ppm	0.8687 ppm	0.0023 ppm	0.1429 ppm	0.0381 ppm	0.0000 ppm	34.2421 ppm
Concentration RSD	167.7 %	0.8 %	209.5 %	1.1 %	0.6 %	37.0 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0012 ppm	0.0023 ppm	0.0030 ppm	1.7204 ppm	14.4659 ppm	0.0101 ppm
Concentration per Run	0.0000 ppm	0.0018 ppm	0.0024 ppm	0.0030 ppm	1.7113 ppm	14.3766 ppm	0.0124 ppm
Concentration per Run	-0.0001 ppm	0.0008 ppm	0.0024 ppm	0.0032 ppm	1.7293 ppm	14.5512 ppm	0.0085 ppm
Concentration per Run	0.0000 ppm	0.0011 ppm	0.0021 ppm	0.0028 ppm	1.7206 ppm	14.4699 ppm	0.0093 ppm
Concentration RSD	196.6 %	43.6 %	7.7 %	7.5 %	0.5 %	0.6 %	20.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	39.0611 ppm	0.0948 ppm	0.0019 ppm	274.8944 ppm	0.0017 ppm	0.0007 ppm	0.0034 ppm
Concentration per Run	39.1166 ppm	0.0942 ppm	0.0014 ppm	273.0211 ppm	0.0019 ppm	-0.0010 ppm	0.0023 ppm
Concentration per Run	39.0533 ppm	0.0954 ppm	0.0022 ppm	275.3685 ppm	0.0013 ppm	0.0005 ppm	0.0028 ppm
Concentration per Run	39.0135 ppm	0.0949 ppm	0.0022 ppm	276.2935 ppm	0.0019 ppm	0.0026 ppm	0.0051 ppm
Concentration RSD	0.1 %	0.6 %	25.2 %	0.6 %	20.3 %	251.6 %	43.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0013 ppm	2.9501 ppm	0.0019 ppm	0.3005 ppm	0.0411 ppm	0.0007 ppm	0.0031 ppm
Concentration per Run	0.0025 ppm	2.9364 ppm	0.0014 ppm	0.3009 ppm	0.0411 ppm	-0.0005 ppm	0.0031 ppm
Concentration per Run	0.0019 ppm	2.9592 ppm	0.0026 ppm	0.2999 ppm	0.0412 ppm	0.0009 ppm	0.0030 ppm
Concentration per Run	-0.0006 ppm	2.9547 ppm	0.0017 ppm	0.3007 ppm	0.0411 ppm	0.0017 ppm	0.0032 ppm
Concentration RSD	132.2 %	0.4 %	34.1 %	0.2 %	0.1 %	160.4 %	3.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0134 ppm	94.4495 %	97.2738 %	91.5740 %	93.0855 %	95.6580 %	94.5086 %
Concentration per Run	0.0134 ppm	94.6092 %	97.9182 %	91.1662 %	93.7040 %	95.8163 %	94.1675 %
Concentration per Run	0.0135 ppm	94.2385 %	96.8251 %	91.7684 %	92.7676 %	95.4006 %	94.6563 %
Concentration per Run	0.0133 ppm	94.5009 %	97.0781 %	91.7876 %	92.7849 %	95.7571 %	94.7020 %
Concentration RSD	0.8 %	0.2 %	0.6 %	0.4 %	0.6 %	0.2 %	0.3 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: WG2147181-5 WG2147181
Analysis started at: 11/28/2025 4:06:05 PM
Comment <Comment>
Rack Number 2
Vial Numbers 47

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0454 ppm	2.6961 ppm	0.1242 ppm	1.1168 ppm	1.8726 ppm	0.0464 ppm	42.7538 ppm
Concentration per Run	0.0454 ppm	2.7009 ppm	0.1254 ppm	1.1167 ppm	1.8727 ppm	0.0466 ppm	42.7863 ppm
Concentration per Run	0.0456 ppm	2.6933 ppm	0.1212 ppm	1.1131 ppm	1.8704 ppm	0.0465 ppm	42.7674 ppm
Concentration per Run	0.0453 ppm	2.6940 ppm	0.1260 ppm	1.1206 ppm	1.8746 ppm	0.0462 ppm	42.7075 ppm
Concentration RSD	0.4 %	0.2 %	2.1 %	0.3 %	0.1 %	0.4 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0523 ppm	0.4470 ppm	0.1867 ppm	0.2296 ppm	2.6051 ppm	24.4742 ppm	0.0112 ppm
Concentration per Run	0.0520 ppm	0.4465 ppm	0.1858 ppm	0.2295 ppm	2.6048 ppm	24.4284 ppm	0.0099 ppm
Concentration per Run	0.0524 ppm	0.4452 ppm	0.1857 ppm	0.2282 ppm	2.6040 ppm	24.4729 ppm	0.0124 ppm
Concentration per Run	0.0524 ppm	0.4492 ppm	0.1887 ppm	0.2310 ppm	2.6065 ppm	24.5213 ppm	0.0113 ppm
Concentration RSD	0.4 %	0.5 %	0.9 %	0.6 %	0.0 %	0.2 %	11.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	47.2996 ppm	0.5480 ppm	1.0024 ppm	275.0004 ppm	0.4534 ppm	0.5119 ppm	0.4295 ppm
Concentration per Run	47.3446 ppm	0.5486 ppm	1.0013 ppm	275.3847 ppm	0.4523 ppm	0.5134 ppm	0.4170 ppm
Concentration per Run	47.3193 ppm	0.5472 ppm	1.0016 ppm	274.0999 ppm	0.4522 ppm	0.5102 ppm	0.4314 ppm
Concentration per Run	47.2350 ppm	0.5481 ppm	1.0042 ppm	275.5166 ppm	0.4555 ppm	0.5121 ppm	0.4403 ppm
Concentration RSD	0.1 %	0.1 %	0.2 %	0.3 %	0.4 %	0.3 %	2.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1206 ppm	4.0112 ppm	0.9696 ppm	1.2499 ppm	1.0473 ppm	0.1111 ppm	0.4840 ppm
Concentration per Run	0.1222 ppm	4.0137 ppm	0.9661 ppm	1.2497 ppm	1.0390 ppm	0.1126 ppm	0.4846 ppm
Concentration per Run	0.1198 ppm	3.9903 ppm	0.9663 ppm	1.2484 ppm	1.0483 ppm	0.1104 ppm	0.4824 ppm
Concentration per Run	0.1198 ppm	4.0296 ppm	0.9764 ppm	1.2518 ppm	1.0545 ppm	0.1103 ppm	0.4850 ppm
Concentration RSD	1.1 %	0.5 %	0.6 %	0.1 %	0.7 %	1.2 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4758 ppm	95.1222 %	97.5692 %	91.2759 %	93.5984 %	96.1397 %	94.1967 %
Concentration per Run	0.4744 ppm	95.6364 %	97.7451 %	90.7382 %	94.0124 %	96.5220 %	93.6672 %
Concentration per Run	0.4750 ppm	95.3016 %	97.4803 %	91.6174 %	93.6904 %	96.1887 %	94.7574 %
Concentration per Run	0.4780 ppm	94.4287 %	97.4822 %	91.4721 %	93.0925 %	95.7084 %	94.1654 %
Concentration RSD	0.4 %	0.7 %	0.2 %	0.5 %	0.5 %	0.4 %	0.6 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2147181-6D5 WG2147181
Analysis started at: 11/28/2025 4:08:15 PM
Comment <Comment>
Rack Number 2
Vial Numbers 48

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	0.1818 ppm	0.0003 ppm	0.0298 ppm	0.0076 ppm	0.0001 ppm	6.7037 ppm
Concentration per Run	-0.0004 ppm	0.1765 ppm	0.0001 ppm	0.0306 ppm	0.0076 ppm	0.0000 ppm	6.7144 ppm
Concentration per Run	0.0000 ppm	0.1819 ppm	0.0006 ppm	0.0293 ppm	0.0074 ppm	0.0001 ppm	6.6736 ppm
Concentration per Run	-0.0002 ppm	0.1869 ppm	0.0000 ppm	0.0296 ppm	0.0076 ppm	0.0000 ppm	6.7231 ppm
Concentration RSD	108.2 %	2.9 %	118.6 %	2.2 %	2.0 %	62.3 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0006 ppm	0.0004 ppm	0.3472 ppm	2.8020 ppm	0.0030 ppm
Concentration per Run	-0.0001 ppm	-0.0001 ppm	0.0010 ppm	0.0006 ppm	0.3476 ppm	2.8337 ppm	0.0023 ppm
Concentration per Run	0.0001 ppm	-0.0003 ppm	0.0005 ppm	0.0006 ppm	0.3474 ppm	2.7706 ppm	0.0034 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	0.0004 ppm	-0.0001 ppm	0.3465 ppm	2.8015 ppm	0.0031 ppm
Concentration RSD	267.1 %	1,004.8 %	55.0 %	116.5 %	0.2 %	1.1 %	19.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	7.7271 ppm	0.0187 ppm	0.0010 ppm	55.1857 ppm	0.0002 ppm	-0.0017 ppm	0.0055 ppm
Concentration per Run	7.7163 ppm	0.0187 ppm	0.0007 ppm	55.1894 ppm	0.0006 ppm	-0.0002 ppm	0.0046 ppm
Concentration per Run	7.7376 ppm	0.0184 ppm	0.0015 ppm	54.7965 ppm	0.0001 ppm	-0.0038 ppm	0.0030 ppm
Concentration per Run	7.7275 ppm	0.0189 ppm	0.0009 ppm	55.5713 ppm	0.0001 ppm	-0.0011 ppm	0.0089 ppm
Concentration RSD	0.1 %	1.4 %	44.1 %	0.7 %	111.2 %	108.9 %	55.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0017 ppm	0.5678 ppm	0.0061 ppm	0.0589 ppm	0.0081 ppm	0.0017 ppm	0.0004 ppm
Concentration per Run	-0.0009 ppm	0.5629 ppm	0.0055 ppm	0.0590 ppm	0.0082 ppm	0.0000 ppm	0.0008 ppm
Concentration per Run	0.0024 ppm	0.5698 ppm	0.0066 ppm	0.0585 ppm	0.0080 ppm	0.0024 ppm	0.0002 ppm
Concentration per Run	0.0035 ppm	0.5706 ppm	0.0062 ppm	0.0592 ppm	0.0083 ppm	0.0027 ppm	0.0002 ppm
Concentration RSD	135.5 %	0.7 %	9.3 %	0.6 %	1.8 %	88.0 %	78.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0026 ppm	98.2674 %	98.5910 %	97.1883 %	96.4372 %	96.8466 %	96.8911 %
Concentration per Run	0.0025 ppm	99.0376 %	98.8850 %	97.5384 %	96.8757 %	97.2813 %	97.2678 %
Concentration per Run	0.0026 ppm	97.5728 %	98.4486 %	96.8551 %	95.5850 %	96.2637 %	96.4523 %
Concentration per Run	0.0027 ppm	98.1918 %	98.4393 %	97.1716 %	96.8509 %	96.9949 %	96.9533 %
Concentration RSD	4.6 %	0.7 %	0.3 %	0.4 %	0.8 %	0.5 %	0.4 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: CCV
Analysis started at: 11/28/2025 4:10:26 PM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4994 ppm	0.4761 ppm	0.4762 ppm	0.4752 ppm	0.4979 ppm	0.4993 ppm	0.4855 ppm
Concentration per Run	0.4998 ppm	0.4743 ppm	0.4732 ppm	0.4746 ppm	0.4940 ppm	0.4977 ppm	0.4787 ppm
Concentration per Run	0.4970 ppm	0.4685 ppm	0.4758 ppm	0.4731 ppm	0.5004 ppm	0.5003 ppm	0.4898 ppm
Concentration per Run	0.5014 ppm	0.4856 ppm	0.4797 ppm	0.4779 ppm	0.4992 ppm	0.4998 ppm	0.4879 ppm
Recovery Percentage	99.885 %	95.227 %	95.248 %	95.042 %	99.571 %	99.854 %	97.093 %
Concentration RSD	0.5 %	1.8 %	0.7 %	0.5 %	0.7 %	0.3 %	1.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5063 ppm	0.5054 ppm	0.5074 ppm	0.5101 ppm	0.4885 ppm	5.2035 ppm	0.5151 ppm
Concentration per Run	0.5061 ppm	0.5057 ppm	0.5075 ppm	0.5103 ppm	0.4879 ppm	5.1812 ppm	0.5168 ppm
Concentration per Run	0.5043 ppm	0.5038 ppm	0.5048 ppm	0.5080 ppm	0.4862 ppm	5.2135 ppm	0.5061 ppm
Concentration per Run	0.5084 ppm	0.5068 ppm	0.5098 ppm	0.5120 ppm	0.4913 ppm	5.2156 ppm	0.5223 ppm
Recovery Percentage	101.256 %	101.088 %	101.476 %	102.027 %	97.693 %	104.069 %	103.018 %
Concentration RSD	0.4 %	0.3 %	0.5 %	0.4 %	0.5 %	0.4 %	1.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4983 ppm	0.5033 ppm	0.4817 ppm	10.1788 ppm	0.5068 ppm	0.4898 ppm	0.5053 ppm
Concentration per Run	0.4982 ppm	0.5004 ppm	0.4812 ppm	10.1673 ppm	0.5088 ppm	0.4875 ppm	0.5057 ppm
Concentration per Run	0.4993 ppm	0.5045 ppm	0.4808 ppm	10.1365 ppm	0.5050 ppm	0.4929 ppm	0.5081 ppm
Concentration per Run	0.4976 ppm	0.5049 ppm	0.4831 ppm	10.2326 ppm	0.5068 ppm	0.4889 ppm	0.5022 ppm
Recovery Percentage	99.668 %	100.652 %	96.347 %	101.788 %	101.370 %	97.952 %	101.069 %
Concentration RSD	0.2 %	0.5 %	0.3 %	0.5 %	0.4 %	0.6 %	0.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4686 ppm	5.3014 ppm	0.4860 ppm	0.4924 ppm	0.4900 ppm	0.4876 ppm	0.5047 ppm
Concentration per Run	0.4684 ppm	5.2951 ppm	0.4859 ppm	0.4892 ppm	0.4896 ppm	0.4860 ppm	0.5051 ppm
Concentration per Run	0.4689 ppm	5.2819 ppm	0.4831 ppm	0.4941 ppm	0.4907 ppm	0.4909 ppm	0.5029 ppm
Concentration per Run	0.4683 ppm	5.3271 ppm	0.4889 ppm	0.4939 ppm	0.4896 ppm	0.4860 ppm	0.5061 ppm
Recovery Percentage	93.711 %	100.979 %	97.192 %	98.472 %	97.996 %	97.529 %	100.939 %
Concentration RSD	0.1 %	0.4 %	0.6 %	0.6 %	0.1 %	0.6 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4945 ppm	100.8811 %	98.9161 %	100.4092 %	99.1059 %	97.3316 %	99.0506 %
Concentration per Run	0.4947 ppm	101.2925 %	99.5004 %	100.7101 %	99.6659 %	97.3126 %	98.9749 %
Concentration per Run	0.4930 ppm	101.2686 %	98.6716 %	100.2663 %	99.5119 %	96.9708 %	99.2870 %
Concentration per Run	0.4958 ppm	100.0821 %	98.5762 %	100.2511 %	98.1399 %	97.7114 %	98.8899 %
Recovery Percentage	98.896 %						
Concentration RSD	0.3 %	0.7 %	0.5 %	0.3 %	0.8 %	0.4 %	0.2 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: CCB
Analysis started at: 11/28/2025 4:12:36 PM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0052 ppm	-0.0005 ppm	0.0001 ppm	0.0003 ppm	0.0000 ppm	-0.0029 ppm
Concentration per Run	0.0004 ppm	0.0076 ppm	-0.0012 ppm	0.0014 ppm	0.0004 ppm	0.0000 ppm	-0.0004 ppm
Concentration per Run	-0.0003 ppm	0.0046 ppm	0.0012 ppm	-0.0015 ppm	0.0004 ppm	0.0000 ppm	-0.0057 ppm
Concentration per Run	0.0000 ppm	0.0035 ppm	-0.0017 ppm	0.0005 ppm	0.0001 ppm	0.0000 ppm	-0.0026 ppm
Recovery Percentage	0.379 %	5.209 %	-10.981 %	0.492 %	2.698 %	0.438 %	-2.908 %
Concentration RSD	1,335.5 %	40.5 %	286.1 %	996.0 %	67.3 %	102.3 %	90.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0006 ppm	-0.0001 ppm	-0.0005 ppm	-0.0020 ppm	0.0157 ppm	0.0003 ppm
Concentration per Run	-0.0001 ppm	0.0008 ppm	0.0000 ppm	-0.0001 ppm	-0.0021 ppm	0.0255 ppm	-0.0006 ppm
Concentration per Run	-0.0001 ppm	0.0006 ppm	0.0000 ppm	-0.0008 ppm	-0.0028 ppm	0.0070 ppm	0.0014 ppm
Concentration per Run	-0.0001 ppm	0.0002 ppm	-0.0002 ppm	-0.0005 ppm	-0.0009 ppm	0.0146 ppm	-0.0001 ppm
Recovery Percentage	-1.610 %	2.845 %	-0.826 %	-4.894 %	-3.933 %	0.627 %	5.095 %
Concentration RSD	26.2 %	53.7 %	170.9 %	75.4 %	50.0 %	59.5 %	392.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0002 ppm	0.0002 ppm	0.0002 ppm	0.0851 ppm	-0.0011 ppm	-0.0014 ppm	0.0021 ppm
Concentration per Run	-0.0003 ppm	0.0001 ppm	0.0006 ppm	0.0811 ppm	-0.0010 ppm	-0.0012 ppm	0.0033 ppm
Concentration per Run	0.0009 ppm	0.0004 ppm	-0.0001 ppm	0.0916 ppm	-0.0019 ppm	-0.0021 ppm	0.0004 ppm
Concentration per Run	-0.0012 ppm	0.0001 ppm	0.0001 ppm	0.0824 ppm	-0.0005 ppm	-0.0009 ppm	0.0027 ppm
Recovery Percentage	-0.209 %	1.774 %	0.394 %	4.254 %	-4.455 %	-13.948 %	4.292 %
Concentration RSD	484.1 %	94.6 %	185.2 %	6.7 %	65.1 %	45.6 %	71.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0002 ppm	0.0026 ppm	0.0016 ppm	0.0001 ppm	-0.0004 ppm	0.0013 ppm	0.0000 ppm
Concentration per Run	-0.0033 ppm	0.0032 ppm	0.0024 ppm	0.0002 ppm	-0.0004 ppm	0.0006 ppm	-0.0001 ppm
Concentration per Run	0.0004 ppm	0.0034 ppm	0.0011 ppm	0.0001 ppm	-0.0006 ppm	-0.0003 ppm	0.0001 ppm
Concentration per Run	0.0023 ppm	0.0012 ppm	0.0014 ppm	0.0002 ppm	-0.0004 ppm	0.0035 ppm	0.0001 ppm
Recovery Percentage	-2.230 %	0.520 %	3.244 %	1.359 %	-4.385 %	6.311 %	-0.056 %
Concentration RSD	1,279.1 %	48.2 %	43.2 %	36.1 %	23.6 %	156.7 %	1,930.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0001 ppm	97.9698 %	96.3334 %	99.1262 %	98.6701 %	96.2097 %	98.7711 %
Concentration per Run	-0.0001 ppm	98.1034 %	96.2936 %	98.8856 %	98.9244 %	96.7544 %	98.1345 %
Concentration per Run	-0.0001 ppm	98.5774 %	96.5117 %	98.9478 %	99.1223 %	95.9784 %	98.6045 %
Concentration per Run	-0.0001 ppm	97.2285 %	96.1948 %	99.5452 %	97.9634 %	95.8964 %	99.5742 %
Recovery Percentage	-1.435 %						
Concentration RSD	16.8 %	0.7 %	0.2 %	0.4 %	0.6 %	0.5 %	0.7 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: WG2147184-1 WG2147184
Analysis started at: 11/28/2025 4:25:43 PM
Comment <Comment>
Rack Number 2
Vial Numbers 52

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0228 ppm	-0.0002 ppm	-0.0002 ppm	0.0003 ppm	0.0000 ppm	0.0068 ppm
Concentration per Run	-0.0002 ppm	0.0231 ppm	0.0004 ppm	0.0008 ppm	0.0004 ppm	0.0000 ppm	0.0070 ppm
Concentration per Run	0.0000 ppm	0.0166 ppm	-0.0007 ppm	-0.0016 ppm	0.0003 ppm	0.0000 ppm	0.0068 ppm
Concentration per Run	0.0001 ppm	0.0287 ppm	-0.0001 ppm	0.0003 ppm	0.0003 ppm	0.0000 ppm	0.0065 ppm
Recovery Percentage	-0.702 %	22.795 %	-3.378 %	-0.594 %	3.497 %	0.446 %	6.760 %
Concentration RSD	251.9 %	26.7 %	328.7 %	700.0 %	22.9 %	70.7 %	3.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0004 ppm	0.0001 ppm	0.0334 ppm	-0.0085 ppm	0.0025 ppm
Concentration per Run	-0.0001 ppm	-0.0003 ppm	0.0008 ppm	0.0000 ppm	0.0336 ppm	-0.0211 ppm	0.0013 ppm
Concentration per Run	-0.0001 ppm	-0.0001 ppm	0.0002 ppm	0.0001 ppm	0.0335 ppm	-0.0144 ppm	0.0043 ppm
Concentration per Run	-0.0001 ppm	0.0002 ppm	0.0002 ppm	0.0000 ppm	0.0332 ppm	0.0099 ppm	0.0017 ppm
Recovery Percentage	-1.715 %	-0.274 %	3.871 %	0.562 %	66.813 %	-0.341 %	49.016 %
Concentration RSD	7.9 %	501.8 %	101.4 %	128.3 %	0.6 %	191.2 %	67.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0078 ppm	0.0152 ppm	-0.0002 ppm	0.0448 ppm	-0.0005 ppm	-0.0012 ppm	0.0002 ppm
Concentration per Run	0.0077 ppm	0.0152 ppm	0.0001 ppm	0.0421 ppm	-0.0006 ppm	0.0000 ppm	-0.0001 ppm
Concentration per Run	0.0080 ppm	0.0153 ppm	-0.0005 ppm	0.0423 ppm	-0.0001 ppm	-0.0009 ppm	-0.0008 ppm
Concentration per Run	0.0077 ppm	0.0151 ppm	-0.0002 ppm	0.0500 ppm	-0.0009 ppm	-0.0026 ppm	0.0014 ppm
Recovery Percentage	7.793 %	151.849 %	-0.464 %	2.240 %	-2.112 %	-11.710 %	0.362 %
Concentration RSD	2.1 %	0.5 %	122.7 %	10.1 %	73.0 %	114.6 %	613.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0015 ppm	0.0246 ppm	0.0089 ppm	0.0002 ppm	0.0007 ppm	0.0005 ppm	-0.0003 ppm
Concentration per Run	0.0019 ppm	0.0217 ppm	0.0090 ppm	0.0002 ppm	0.0006 ppm	0.0011 ppm	-0.0001 ppm
Concentration per Run	0.0040 ppm	0.0271 ppm	0.0086 ppm	0.0001 ppm	0.0009 ppm	-0.0002 ppm	-0.0002 ppm
Concentration per Run	-0.0014 ppm	0.0249 ppm	0.0090 ppm	0.0003 ppm	0.0006 ppm	0.0007 ppm	-0.0004 ppm
Recovery Percentage	15.062 %	4.913 %	17.740 %	1.982 %	7.004 %	2.676 %	-2.571 %
Concentration RSD	183.2 %	10.9 %	2.3 %	37.9 %	30.0 %	122.8 %	55.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0006 ppm	100.0757 %	98.9385 %	99.0504 %	99.5007 %	98.6156 %	99.2435 %
Concentration per Run	0.0006 ppm	100.0540 %	99.2888 %	99.6392 %	99.2297 %	99.1154 %	99.6982 %
Concentration per Run	0.0004 ppm	99.7597 %	98.8542 %	98.4354 %	99.2659 %	98.7917 %	98.8988 %
Concentration per Run	0.0008 ppm	100.4134 %	98.6727 %	99.0766 %	100.0066 %	97.9398 %	99.1334 %
Recovery Percentage	11.667 %						
Concentration RSD	30.1 %	0.3 %	0.3 %	0.6 %	0.4 %	0.6 %	0.4 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: WG2147184-2d2 WG2147184
Analysis started at: 11/28/2025 4:28:05 PM
Comment <Comment>
Rack Number 2
Vial Numbers 53

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0474 ppm	1.9265 ppm	0.1152 ppm	0.9790 ppm	1.9186 ppm	0.0483 ppm	10.2037 ppm
Concentration per Run	0.0478 ppm	1.9335 ppm	0.1144 ppm	0.9782 ppm	1.9151 ppm	0.0483 ppm	10.2160 ppm
Concentration per Run	0.0470 ppm	1.9222 ppm	0.1158 ppm	0.9784 ppm	1.9182 ppm	0.0483 ppm	10.1871 ppm
Concentration per Run	0.0474 ppm	1.9237 ppm	0.1154 ppm	0.9805 ppm	1.9226 ppm	0.0483 ppm	10.2080 ppm
Concentration RSD	0.8 %	0.3 %	0.7 %	0.1 %	0.2 %	0.0 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0542 ppm	0.4727 ppm	0.1927 ppm	0.2418 ppm	0.9568 ppm	10.6225 ppm	1.0904 ppm
Concentration per Run	0.0540 ppm	0.4710 ppm	0.1922 ppm	0.2408 ppm	0.9578 ppm	10.6141 ppm	1.0840 ppm
Concentration per Run	0.0543 ppm	0.4727 ppm	0.1934 ppm	0.2424 ppm	0.9598 ppm	10.6087 ppm	1.0885 ppm
Concentration per Run	0.0544 ppm	0.4745 ppm	0.1925 ppm	0.2422 ppm	0.9529 ppm	10.6448 ppm	1.0985 ppm
Concentration RSD	0.3 %	0.4 %	0.3 %	0.3 %	0.4 %	0.2 %	0.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	9.9802 ppm	0.4771 ppm	0.9889 ppm	10.4072 ppm	0.4783 ppm	0.5192 ppm	0.5097 ppm
Concentration per Run	9.9765 ppm	0.4779 ppm	0.9852 ppm	10.4048 ppm	0.4763 ppm	0.5178 ppm	0.5090 ppm
Concentration per Run	9.9998 ppm	0.4754 ppm	0.9870 ppm	10.4008 ppm	0.4791 ppm	0.5184 ppm	0.5082 ppm
Concentration per Run	9.9644 ppm	0.4781 ppm	0.9945 ppm	10.4159 ppm	0.4794 ppm	0.5214 ppm	0.5120 ppm
Concentration RSD	0.2 %	0.3 %	0.5 %	0.1 %	0.4 %	0.4 %	0.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1132 ppm	0.7490 ppm	0.9896 ppm	0.9855 ppm	0.9946 ppm	0.1159 ppm	0.4932 ppm
Concentration per Run	0.1143 ppm	0.7426 ppm	0.9855 ppm	0.9835 ppm	0.9950 ppm	0.1139 ppm	0.4914 ppm
Concentration per Run	0.1143 ppm	0.7461 ppm	0.9859 ppm	0.9856 ppm	0.9959 ppm	0.1157 ppm	0.4931 ppm
Concentration per Run	0.1110 ppm	0.7584 ppm	0.9974 ppm	0.9874 ppm	0.9929 ppm	0.1181 ppm	0.4951 ppm
Concentration RSD	1.7 %	1.1 %	0.7 %	0.2 %	0.2 %	1.8 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4764 ppm	97.5912 %	97.5301 %	96.9908 %	95.6789 %	96.2071 %	97.0482 %
Concentration per Run	0.4752 ppm	97.4311 %	97.5456 %	97.0117 %	95.4236 %	96.5205 %	96.8747 %
Concentration per Run	0.4747 ppm	98.2616 %	98.1219 %	97.1648 %	96.2727 %	96.5276 %	97.4692 %
Concentration per Run	0.4792 ppm	97.0808 %	96.9227 %	96.7959 %	95.3405 %	95.5730 %	96.8005 %
Concentration RSD	0.5 %	0.6 %	0.6 %	0.2 %	0.5 %	0.6 %	0.4 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2575492-01d2 WG2147184
Analysis started at: 11/28/2025 4:30:15 PM
Comment <Comment>
Rack Number 2
Vial Numbers 54

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0026 ppm	102.0933 ppm	0.0722 ppm	0.0130 ppm	0.3304 ppm	0.0055 ppm	286.4639 ppm
Concentration per Run	0.0023 ppm	101.8202 ppm	0.0714 ppm	0.0136 ppm	0.3312 ppm	0.0055 ppm	285.7088 ppm
Concentration per Run	0.0027 ppm	102.5129 ppm	0.0703 ppm	0.0126 ppm	0.3308 ppm	0.0055 ppm	287.7523 ppm
Concentration per Run	0.0029 ppm	101.9469 ppm	0.0748 ppm	0.0129 ppm	0.3292 ppm	0.0055 ppm	285.9306 ppm
Concentration RSD	10.9 %	0.4 %	3.3 %	3.8 %	0.3 %	0.4 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0030 ppm	0.1389 ppm	0.1480 ppm	0.3767 ppm	247.2648 ppm	5.2441 ppm	0.3094 ppm
Concentration per Run	0.0028 ppm	0.1387 ppm	0.1476 ppm	0.3774 ppm	247.3888 ppm	5.2631 ppm	0.3023 ppm
Concentration per Run	0.0033 ppm	0.1387 ppm	0.1478 ppm	0.3757 ppm	248.4383 ppm	5.2622 ppm	0.3078 ppm
Concentration per Run	0.0030 ppm	0.1393 ppm	0.1485 ppm	0.3769 ppm	245.9674 ppm	5.2072 ppm	0.3181 ppm
Concentration RSD	8.4 %	0.2 %	0.3 %	0.2 %	0.5 %	0.6 %	2.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	74.7290 ppm	6.9788 ppm	0.0066 ppm	0.6522 ppm	0.2439 ppm	1.0021 ppm	0.0084 ppm
Concentration per Run	74.7502 ppm	6.9699 ppm	0.0075 ppm	0.6541 ppm	0.2444 ppm	0.9987 ppm	0.0112 ppm
Concentration per Run	74.7091 ppm	7.0161 ppm	0.0064 ppm	0.6579 ppm	0.2417 ppm	1.0047 ppm	0.0049 ppm
Concentration per Run	74.7275 ppm	6.9504 ppm	0.0060 ppm	0.6445 ppm	0.2457 ppm	1.0030 ppm	0.0092 ppm
Concentration RSD	0.0 %	0.5 %	11.7 %	1.1 %	0.8 %	0.3 %	38.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0039 ppm	3.9814 ppm	0.0088 ppm	2.4599 ppm	0.1572 ppm	-0.0011 ppm	0.1198 ppm
Concentration per Run	0.0060 ppm	3.9611 ppm	0.0078 ppm	2.4547 ppm	0.1589 ppm	-0.0017 ppm	0.1198 ppm
Concentration per Run	0.0026 ppm	3.9788 ppm	0.0100 ppm	2.4744 ppm	0.1544 ppm	0.0007 ppm	0.1195 ppm
Concentration per Run	0.0029 ppm	4.0043 ppm	0.0085 ppm	2.4507 ppm	0.1584 ppm	-0.0022 ppm	0.1202 ppm
Concentration RSD	49.1 %	0.5 %	12.5 %	0.5 %	1.6 %	142.2 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.8816 ppm	96.5165 %	99.7272 %	88.2483 %	106.9445 %	112.2101 %	108.6277 %
Concentration per Run	0.8849 ppm	96.4700 %	99.1351 %	88.9110 %	106.8670 %	111.0507 %	109.1680 %
Concentration per Run	0.8758 ppm	96.6391 %	99.5810 %	87.6752 %	106.8588 %	112.6250 %	108.0010 %
Concentration per Run	0.8841 ppm	96.4403 %	100.4656 %	88.1587 %	107.1076 %	112.9545 %	108.7141 %
Concentration RSD	0.6 %	0.1 %	0.7 %	0.7 %	0.1 %	0.9 %	0.5 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: WG2147184-3d2 WG2147184
Analysis started at: 11/28/2025 4:32:25 PM
Comment <Comment>
Rack Number 2
Vial Numbers 55

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0499 ppm	114.3876 ppm	0.1864 ppm	0.7828 ppm	2.7456 ppm	0.0537 ppm	155.2384 ppm
Concentration per Run	0.0500 ppm	114.2700 ppm	0.1851 ppm	0.7843 ppm	2.7441 ppm	0.0536 ppm	155.2309 ppm
Concentration per Run	0.0500 ppm	115.1823 ppm	0.1878 ppm	0.7811 ppm	2.7610 ppm	0.0541 ppm	156.2507 ppm
Concentration per Run	0.0495 ppm	113.7105 ppm	0.1865 ppm	0.7829 ppm	2.7318 ppm	0.0533 ppm	154.2336 ppm
Concentration RSD	0.6 %	0.6 %	0.7 %	0.2 %	0.5 %	0.7 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0587 ppm	0.5607 ppm	0.3435 ppm	0.5363 ppm	227.3744 ppm	13.7613 ppm	1.3443 ppm
Concentration per Run	0.0587 ppm	0.5594 ppm	0.3418 ppm	0.5357 ppm	227.1528 ppm	13.7571 ppm	1.3350 ppm
Concentration per Run	0.0588 ppm	0.5620 ppm	0.3444 ppm	0.5365 ppm	228.8424 ppm	13.8233 ppm	1.3722 ppm
Concentration per Run	0.0587 ppm	0.5606 ppm	0.3443 ppm	0.5368 ppm	226.1279 ppm	13.7036 ppm	1.3256 ppm
Concentration RSD	0.1 %	0.2 %	0.4 %	0.1 %	0.6 %	0.4 %	1.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	65.0321 ppm	12.4510 ppm	0.9380 ppm	11.1871 ppm	0.6826 ppm	4.8101 ppm	0.2075 ppm
Concentration per Run	64.9611 ppm	12.4373 ppm	0.9364 ppm	11.2560 ppm	0.6834 ppm	4.7829 ppm	0.2064 ppm
Concentration per Run	65.2655 ppm	12.5484 ppm	0.9378 ppm	11.1631 ppm	0.6815 ppm	4.8200 ppm	0.2037 ppm
Concentration per Run	64.8696 ppm	12.3674 ppm	0.9398 ppm	11.1422 ppm	0.6830 ppm	4.8275 ppm	0.2123 ppm
Concentration RSD	0.3 %	0.7 %	0.2 %	0.5 %	0.1 %	0.5 %	2.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1187 ppm	7.0169 ppm	0.9141 ppm	1.8752 ppm	0.6202 ppm	0.1085 ppm	0.6377 ppm
Concentration per Run	0.1177 ppm	7.0098 ppm	0.9095 ppm	1.8719 ppm	0.6221 ppm	0.1082 ppm	0.6358 ppm
Concentration per Run	0.1194 ppm	7.0151 ppm	0.9130 ppm	1.8902 ppm	0.6178 ppm	0.1078 ppm	0.6394 ppm
Concentration per Run	0.1188 ppm	7.0259 ppm	0.9198 ppm	1.8634 ppm	0.6207 ppm	0.1096 ppm	0.6379 ppm
Concentration RSD	0.7 %	0.1 %	0.6 %	0.7 %	0.4 %	0.8 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.2393 ppm	96.8767 %	100.5995 %	90.2243 %	111.0258 %	116.5675 %	113.2893 %
Concentration per Run	1.2398 ppm	97.3188 %	99.7956 %	90.7421 %	111.5653 %	115.6327 %	113.4895 %
Concentration per Run	1.2386 ppm	96.6785 %	100.7926 %	89.9787 %	110.7890 %	117.6203 %	113.0751 %
Concentration per Run	1.2394 ppm	96.6327 %	101.2102 %	89.9521 %	110.7232 %	116.4494 %	113.3033 %
Concentration RSD	0.1 %	0.4 %	0.7 %	0.5 %	0.4 %	0.9 %	0.2 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: WG2147184-4d2 WG2147184
Analysis started at: 11/28/2025 4:34:35 PM
Comment <Comment>
Rack Number 2
Vial Numbers 56

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0023 ppm	113.0688 ppm	0.0901 ppm	0.0106 ppm	0.5817 ppm	0.0060 ppm	99.7683 ppm
Concentration per Run	0.0027 ppm	113.2534 ppm	0.0906 ppm	0.0100 ppm	0.5837 ppm	0.0060 ppm	99.8120 ppm
Concentration per Run	0.0021 ppm	113.1504 ppm	0.0910 ppm	0.0110 ppm	0.5816 ppm	0.0060 ppm	99.9361 ppm
Concentration per Run	0.0021 ppm	112.8025 ppm	0.0888 ppm	0.0107 ppm	0.5799 ppm	0.0060 ppm	99.5567 ppm
Concentration RSD	14.9 %	0.2 %	1.3 %	4.6 %	0.3 %	0.5 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0056 ppm	0.1337 ppm	0.1605 ppm	0.3053 ppm	249.1781 ppm	5.0805 ppm	0.2821 ppm
Concentration per Run	0.0056 ppm	0.1328 ppm	0.1589 ppm	0.3043 ppm	249.6140 ppm	5.1214 ppm	0.2859 ppm
Concentration per Run	0.0056 ppm	0.1343 ppm	0.1608 ppm	0.3073 ppm	249.4387 ppm	5.0431 ppm	0.2795 ppm
Concentration per Run	0.0056 ppm	0.1341 ppm	0.1616 ppm	0.3045 ppm	248.4815 ppm	5.0770 ppm	0.2808 ppm
Concentration RSD	0.3 %	0.6 %	0.9 %	0.6 %	0.2 %	0.8 %	1.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	64.3131 ppm	6.6644 ppm	0.0073 ppm	0.9328 ppm	0.2471 ppm	2.9921 ppm	0.0214 ppm
Concentration per Run	64.0326 ppm	6.6669 ppm	0.0068 ppm	0.9352 ppm	0.2458 ppm	2.9841 ppm	0.0226 ppm
Concentration per Run	64.5071 ppm	6.6771 ppm	0.0078 ppm	0.9396 ppm	0.2469 ppm	2.9999 ppm	0.0207 ppm
Concentration per Run	64.3996 ppm	6.6492 ppm	0.0072 ppm	0.9235 ppm	0.2486 ppm	2.9922 ppm	0.0209 ppm
Concentration RSD	0.4 %	0.2 %	7.4 %	0.9 %	0.6 %	0.3 %	5.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0016 ppm	3.7321 ppm	0.0178 ppm	0.4529 ppm	0.1335 ppm	-0.0006 ppm	0.1473 ppm
Concentration per Run	0.0023 ppm	3.7413 ppm	0.0186 ppm	0.4543 ppm	0.1303 ppm	0.0018 ppm	0.1467 ppm
Concentration per Run	-0.0038 ppm	3.7467 ppm	0.0170 ppm	0.4521 ppm	0.1370 ppm	-0.0003 ppm	0.1475 ppm
Concentration per Run	0.0062 ppm	3.7083 ppm	0.0177 ppm	0.4524 ppm	0.1333 ppm	-0.0033 ppm	0.1475 ppm
Concentration RSD	317.3 %	0.6 %	4.3 %	0.3 %	2.5 %	446.4 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.7442 ppm	97.8912 %	100.3087 %	91.1751 %	108.3738 %	112.5643 %	109.8199 %
Concentration per Run	0.7403 ppm	97.9591 %	100.0641 %	91.8039 %	108.2113 %	112.5334 %	110.6579 %
Concentration per Run	0.7479 ppm	97.7807 %	100.2660 %	90.6689 %	108.5026 %	112.5117 %	109.0861 %
Concentration per Run	0.7443 ppm	97.9337 %	100.5960 %	91.0526 %	108.4076 %	112.6480 %	109.7157 %
Concentration RSD	0.5 %	0.1 %	0.3 %	0.6 %	0.1 %	0.1 %	0.7 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: WG2147184-5d2 WG2147184
Analysis started at: 11/28/2025 4:36:45 PM
Comment <Comment>
Rack Number 2
Vial Numbers 57

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0472 ppm	101.0157 ppm	0.1722 ppm	0.9448 ppm	2.1063 ppm	0.0500 ppm	287.2420 ppm
Concentration per Run	0.0472 ppm	101.6814 ppm	0.1739 ppm	0.9362 ppm	2.1293 ppm	0.0506 ppm	289.9014 ppm
Concentration per Run	0.0470 ppm	100.6167 ppm	0.1704 ppm	0.9432 ppm	2.0966 ppm	0.0496 ppm	285.4590 ppm
Concentration per Run	0.0475 ppm	100.7489 ppm	0.1724 ppm	0.9550 ppm	2.0929 ppm	0.0497 ppm	286.3656 ppm
Concentration RSD	0.6 %	0.6 %	1.0 %	1.0 %	1.0 %	1.1 %	0.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0513 ppm	0.5563 ppm	0.3229 ppm	0.5961 ppm	241.4284 ppm	15.4844 ppm	0.2902 ppm
Concentration per Run	0.0510 ppm	0.5534 ppm	0.3190 ppm	0.5916 ppm	244.2383 ppm	15.6886 ppm	0.2928 ppm
Concentration per Run	0.0512 ppm	0.5563 ppm	0.3238 ppm	0.5969 ppm	240.3542 ppm	15.4203 ppm	0.2926 ppm
Concentration per Run	0.0517 ppm	0.5591 ppm	0.3258 ppm	0.5999 ppm	239.6928 ppm	15.3444 ppm	0.2853 ppm
Concentration RSD	0.7 %	0.5 %	1.1 %	0.7 %	1.0 %	1.2 %	1.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	82.0233 ppm	7.1849 ppm	0.9558 ppm	10.8921 ppm	0.6632 ppm	1.4712 ppm	0.4687 ppm
Concentration per Run	82.1552 ppm	7.2399 ppm	0.9514 ppm	10.9518 ppm	0.6587 ppm	1.4777 ppm	0.4686 ppm
Concentration per Run	81.7976 ppm	7.1388 ppm	0.9590 ppm	10.8670 ppm	0.6634 ppm	1.4680 ppm	0.4692 ppm
Concentration per Run	82.1171 ppm	7.1760 ppm	0.9570 ppm	10.8574 ppm	0.6674 ppm	1.4680 ppm	0.4683 ppm
Concentration RSD	0.2 %	0.7 %	0.4 %	0.5 %	0.7 %	0.4 %	0.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1179 ppm	5.2282 ppm	0.9201 ppm	3.2998 ppm	1.1170 ppm	0.1080 ppm	0.5804 ppm
Concentration per Run	0.1192 ppm	5.2097 ppm	0.9145 ppm	3.3350 ppm	1.1028 ppm	0.1085 ppm	0.5756 ppm
Concentration per Run	0.1179 ppm	5.2469 ppm	0.9266 ppm	3.2844 ppm	1.1229 ppm	0.1075 ppm	0.5818 ppm
Concentration per Run	0.1166 ppm	5.2279 ppm	0.9193 ppm	3.2799 ppm	1.1254 ppm	0.1081 ppm	0.5836 ppm
Concentration RSD	1.1 %	0.4 %	0.7 %	0.9 %	1.1 %	0.4 %	0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.2919 ppm	95.0285 %	99.4184 %	87.7441 %	105.8701 %	111.8683 %	107.3723 %
Concentration per Run	1.2828 ppm	95.3773 %	98.2785 %	87.5305 %	105.8304 %	111.6271 %	107.1648 %
Concentration per Run	1.2868 ppm	95.4028 %	99.7697 %	87.9877 %	106.4633 %	111.5503 %	107.7186 %
Concentration per Run	1.3060 ppm	94.3054 %	100.2071 %	87.7140 %	105.3166 %	112.4274 %	107.2335 %
Concentration RSD	1.0 %	0.7 %	1.0 %	0.3 %	0.5 %	0.4 %	0.3 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: WG2147184-6d10 WG2147184
Analysis started at: 11/28/2025 4:38:55 PM
Comment <Comment>
Rack Number 2
Vial Numbers 58

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0003 ppm	21.3044 ppm	0.0149 ppm	0.0029 ppm	0.0685 ppm	0.0012 ppm	61.4507 ppm
Concentration per Run	-0.0003 ppm	21.3615 ppm	0.0164 ppm	0.0028 ppm	0.0686 ppm	0.0011 ppm	61.4683 ppm
Concentration per Run	0.0009 ppm	21.2287 ppm	0.0135 ppm	0.0031 ppm	0.0685 ppm	0.0012 ppm	61.2668 ppm
Concentration per Run	0.0004 ppm	21.3230 ppm	0.0149 ppm	0.0029 ppm	0.0684 ppm	0.0012 ppm	61.6171 ppm
Concentration RSD	186.8 %	0.3 %	9.9 %	4.6 %	0.2 %	4.7 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0006 ppm	0.0300 ppm	0.0317 ppm	0.0781 ppm	54.4223 ppm	1.0475 ppm	0.0642 ppm
Concentration per Run	0.0006 ppm	0.0299 ppm	0.0315 ppm	0.0788 ppm	54.5130 ppm	1.0856 ppm	0.0653 ppm
Concentration per Run	0.0005 ppm	0.0301 ppm	0.0318 ppm	0.0782 ppm	54.3361 ppm	1.0197 ppm	0.0609 ppm
Concentration per Run	0.0006 ppm	0.0299 ppm	0.0317 ppm	0.0774 ppm	54.4179 ppm	1.0373 ppm	0.0664 ppm
Concentration RSD	8.1 %	0.4 %	0.5 %	0.9 %	0.2 %	3.3 %	4.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	16.0613 ppm	1.5032 ppm	0.0016 ppm	0.1560 ppm	0.0520 ppm	0.2064 ppm	0.0050 ppm
Concentration per Run	16.0620 ppm	1.5048 ppm	0.0015 ppm	0.1576 ppm	0.0520 ppm	0.2050 ppm	0.0052 ppm
Concentration per Run	16.2197 ppm	1.4971 ppm	0.0016 ppm	0.1513 ppm	0.0524 ppm	0.2075 ppm	0.0045 ppm
Concentration per Run	15.9022 ppm	1.5076 ppm	0.0016 ppm	0.1591 ppm	0.0517 ppm	0.2066 ppm	0.0053 ppm
Concentration RSD	1.0 %	0.4 %	1.6 %	2.6 %	0.7 %	0.6 %	8.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0014 ppm	0.8180 ppm	0.0019 ppm	0.5115 ppm	0.0319 ppm	0.0009 ppm	0.0246 ppm
Concentration per Run	0.0025 ppm	0.8196 ppm	0.0029 ppm	0.5107 ppm	0.0331 ppm	0.0014 ppm	0.0249 ppm
Concentration per Run	-0.0007 ppm	0.8185 ppm	0.0015 ppm	0.5101 ppm	0.0317 ppm	0.0005 ppm	0.0242 ppm
Concentration per Run	0.0024 ppm	0.8158 ppm	0.0013 ppm	0.5136 ppm	0.0309 ppm	0.0007 ppm	0.0247 ppm
Concentration RSD	132.8 %	0.2 %	46.6 %	0.4 %	3.4 %	54.7 %	1.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1915 ppm	97.8524 %	97.3703 %	94.6383 %	98.6973 %	99.4827 %	98.9353 %
Concentration per Run	0.1923 ppm	97.5064 %	97.8036 %	94.4877 %	98.2655 %	100.0047 %	98.7477 %
Concentration per Run	0.1913 ppm	98.2112 %	96.7270 %	93.9053 %	99.2395 %	98.6363 %	98.4049 %
Concentration per Run	0.1909 ppm	97.8396 %	97.5803 %	95.5221 %	98.5868 %	99.8072 %	99.6533 %
Concentration RSD	0.4 %	0.4 %	0.6 %	0.9 %	0.5 %	0.7 %	0.7 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2575492-02d2 WG2147184
Analysis started at: 11/28/2025 4:41:06 PM
Comment <Comment>
Rack Number 2
Vial Numbers 59

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0020 ppm	110.4742 ppm	0.1146 ppm	0.0101 ppm	0.9054 ppm	0.0065 ppm	72.2491 ppm
Concentration per Run	0.0016 ppm	110.1917 ppm	0.1180 ppm	0.0097 ppm	0.9016 ppm	0.0065 ppm	71.9346 ppm
Concentration per Run	0.0021 ppm	110.4695 ppm	0.1106 ppm	0.0112 ppm	0.9069 ppm	0.0064 ppm	72.2864 ppm
Concentration per Run	0.0022 ppm	110.7614 ppm	0.1153 ppm	0.0094 ppm	0.9077 ppm	0.0065 ppm	72.5264 ppm
Concentration RSD	16.4 %	0.3 %	3.2 %	9.7 %	0.4 %	0.6 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0106 ppm	0.0977 ppm	0.1642 ppm	0.2778 ppm	213.1560 ppm	5.4196 ppm	0.2307 ppm
Concentration per Run	0.0108 ppm	0.0978 ppm	0.1649 ppm	0.2774 ppm	212.0109 ppm	5.4005 ppm	0.2306 ppm
Concentration per Run	0.0104 ppm	0.0972 ppm	0.1638 ppm	0.2774 ppm	213.0709 ppm	5.4251 ppm	0.2343 ppm
Concentration per Run	0.0107 ppm	0.0980 ppm	0.1640 ppm	0.2787 ppm	214.3861 ppm	5.4333 ppm	0.2270 ppm
Concentration RSD	1.9 %	0.4 %	0.4 %	0.3 %	0.6 %	0.3 %	1.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	60.4477 ppm	9.9956 ppm	0.0045 ppm	1.2341 ppm	0.2110 ppm	5.2777 ppm	0.0427 ppm
Concentration per Run	60.5805 ppm	9.9684 ppm	0.0046 ppm	1.2318 ppm	0.2115 ppm	5.2642 ppm	0.0435 ppm
Concentration per Run	60.3488 ppm	9.9716 ppm	0.0039 ppm	1.2337 ppm	0.2092 ppm	5.2789 ppm	0.0424 ppm
Concentration per Run	60.4137 ppm	10.0469 ppm	0.0049 ppm	1.2368 ppm	0.2123 ppm	5.2900 ppm	0.0421 ppm
Concentration RSD	0.2 %	0.4 %	11.1 %	0.2 %	0.8 %	0.2 %	1.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0068 ppm	2.9742 ppm	0.0291 ppm	0.2629 ppm	0.1444 ppm	0.0003 ppm	0.1639 ppm
Concentration per Run	0.0073 ppm	2.9726 ppm	0.0300 ppm	0.2612 ppm	0.1428 ppm	0.0002 ppm	0.1641 ppm
Concentration per Run	0.0052 ppm	2.9887 ppm	0.0290 ppm	0.2639 ppm	0.1461 ppm	0.0013 ppm	0.1632 ppm
Concentration per Run	0.0077 ppm	2.9612 ppm	0.0285 ppm	0.2636 ppm	0.1442 ppm	-0.0004 ppm	0.1643 ppm
Concentration RSD	20.4 %	0.5 %	2.6 %	0.6 %	1.1 %	255.2 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.9725 ppm	98.1018 %	99.6370 %	92.4109 %	111.8650 %	115.3936 %	114.2701 %
Concentration per Run	0.9746 ppm	97.5352 %	100.4415 %	92.6380 %	111.1978 %	116.2163 %	114.3461 %
Concentration per Run	0.9716 ppm	98.7936 %	99.6600 %	92.4835 %	112.3834 %	115.4866 %	114.2086 %
Concentration per Run	0.9714 ppm	97.9764 %	98.8094 %	92.1114 %	112.0138 %	114.4780 %	114.2555 %
Concentration RSD	0.2 %	0.7 %	0.8 %	0.3 %	0.5 %	0.8 %	0.1 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2575492-03d2 WG2147184
Analysis started at: 11/28/2025 4:43:16 PM
Comment <Comment>
Rack Number 2
Vial Numbers 60

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0020 ppm	100.5824 ppm	0.1267 ppm	0.0094 ppm	0.6186 ppm	0.0058 ppm	75.9740 ppm
Concentration per Run	0.0024 ppm	99.5028 ppm	0.1268 ppm	0.0092 ppm	0.6168 ppm	0.0058 ppm	75.1837 ppm
Concentration per Run	0.0017 ppm	101.4495 ppm	0.1267 ppm	0.0084 ppm	0.6225 ppm	0.0059 ppm	76.6942 ppm
Concentration per Run	0.0019 ppm	100.7949 ppm	0.1266 ppm	0.0106 ppm	0.6165 ppm	0.0058 ppm	76.0442 ppm
Concentration RSD	17.5 %	1.0 %	0.1 %	11.6 %	0.6 %	1.0 %	1.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0059 ppm	0.1134 ppm	0.1458 ppm	0.2684 ppm	226.1885 ppm	4.4395 ppm	0.2447 ppm
Concentration per Run	0.0060 ppm	0.1129 ppm	0.1443 ppm	0.2678 ppm	224.8982 ppm	4.4069 ppm	0.2509 ppm
Concentration per Run	0.0059 ppm	0.1135 ppm	0.1464 ppm	0.2686 ppm	227.5465 ppm	4.4677 ppm	0.2455 ppm
Concentration per Run	0.0058 ppm	0.1136 ppm	0.1468 ppm	0.2687 ppm	226.1209 ppm	4.4440 ppm	0.2377 ppm
Concentration RSD	1.1 %	0.4 %	0.9 %	0.2 %	0.6 %	0.7 %	2.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	57.2935 ppm	5.4581 ppm	0.0057 ppm	1.3514 ppm	0.2166 ppm	4.5786 ppm	0.0477 ppm
Concentration per Run	57.3326 ppm	5.4043 ppm	0.0057 ppm	1.3369 ppm	0.2154 ppm	4.5811 ppm	0.0475 ppm
Concentration per Run	57.2486 ppm	5.5114 ppm	0.0053 ppm	1.3698 ppm	0.2155 ppm	4.5691 ppm	0.0513 ppm
Concentration per Run	57.2992 ppm	5.4586 ppm	0.0062 ppm	1.3475 ppm	0.2190 ppm	4.5857 ppm	0.0443 ppm
Concentration RSD	0.1 %	1.0 %	7.3 %	1.2 %	0.9 %	0.2 %	7.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0025 ppm	3.5150 ppm	0.0236 ppm	0.3512 ppm	0.1482 ppm	-0.0007 ppm	0.1437 ppm
Concentration per Run	0.0067 ppm	3.4936 ppm	0.0224 ppm	0.3516 ppm	0.1459 ppm	-0.0019 ppm	0.1425 ppm
Concentration per Run	0.0000 ppm	3.5152 ppm	0.0242 ppm	0.3537 ppm	0.1492 ppm	0.0001 ppm	0.1441 ppm
Concentration per Run	0.0007 ppm	3.5362 ppm	0.0241 ppm	0.3483 ppm	0.1495 ppm	-0.0002 ppm	0.1444 ppm
Concentration RSD	149.1 %	0.6 %	4.2 %	0.8 %	1.4 %	163.9 %	0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.7066 ppm	97.1887 %	98.6154 %	91.6307 %	107.8563 %	110.8837 %	109.7994 %
Concentration per Run	0.7036 ppm	97.6934 %	99.4586 %	91.2064 %	108.2868 %	110.7679 %	109.3861 %
Concentration per Run	0.7073 ppm	96.8644 %	98.3338 %	91.7448 %	107.3668 %	111.4854 %	109.6913 %
Concentration per Run	0.7090 ppm	97.0084 %	98.0540 %	91.9408 %	107.9152 %	110.3977 %	110.3208 %
Concentration RSD	0.4 %	0.5 %	0.8 %	0.4 %	0.4 %	0.5 %	0.4 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2575492-04d2 WG2147184
Analysis started at: 11/28/2025 4:45:26 PM
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Rack Number 3
Vial Numbers 1

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0027 ppm	110.2013 ppm	0.1073 ppm	0.0109 ppm	0.8744 ppm	0.0063 ppm	61.4137 ppm
Concentration per Run	0.0019 ppm	110.1254 ppm	0.1057 ppm	0.0099 ppm	0.8728 ppm	0.0063 ppm	61.3943 ppm
Concentration per Run	0.0035 ppm	110.3560 ppm	0.1081 ppm	0.0105 ppm	0.8757 ppm	0.0062 ppm	61.4753 ppm
Concentration per Run	0.0027 ppm	110.1223 ppm	0.1082 ppm	0.0123 ppm	0.8749 ppm	0.0063 ppm	61.3716 ppm
Concentration RSD	29.9 %	0.1 %	1.3 %	11.2 %	0.2 %	0.6 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0093 ppm	0.1100 ppm	0.1636 ppm	0.2622 ppm	236.2890 ppm	5.5054 ppm	0.2618 ppm
Concentration per Run	0.0093 ppm	0.1109 ppm	0.1639 ppm	0.2626 ppm	236.2961 ppm	5.4969 ppm	0.2616 ppm
Concentration per Run	0.0092 ppm	0.1093 ppm	0.1620 ppm	0.2598 ppm	236.1870 ppm	5.4886 ppm	0.2606 ppm
Concentration per Run	0.0094 ppm	0.1096 ppm	0.1649 ppm	0.2642 ppm	236.3840 ppm	5.5306 ppm	0.2633 ppm
Concentration RSD	1.0 %	0.7 %	0.9 %	0.8 %	0.0 %	0.4 %	0.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	52.1739 ppm	9.2058 ppm	0.0040 ppm	0.8570 ppm	0.2422 ppm	5.5965 ppm	0.0433 ppm
Concentration per Run	52.2310 ppm	9.2136 ppm	0.0041 ppm	0.8527 ppm	0.2438 ppm	5.5927 ppm	0.0411 ppm
Concentration per Run	52.1793 ppm	9.2108 ppm	0.0040 ppm	0.8658 ppm	0.2396 ppm	5.5717 ppm	0.0454 ppm
Concentration per Run	52.1114 ppm	9.1930 ppm	0.0038 ppm	0.8524 ppm	0.2433 ppm	5.6251 ppm	0.0433 ppm
Concentration RSD	0.1 %	0.1 %	3.0 %	0.9 %	1.0 %	0.5 %	5.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0055 ppm	4.2460 ppm	0.0269 ppm	0.2869 ppm	0.1939 ppm	-0.0004 ppm	0.1657 ppm
Concentration per Run	0.0060 ppm	4.2762 ppm	0.0255 ppm	0.2861 ppm	0.1928 ppm	-0.0006 ppm	0.1669 ppm
Concentration per Run	0.0036 ppm	4.2241 ppm	0.0287 ppm	0.2876 ppm	0.1942 ppm	-0.0005 ppm	0.1645 ppm
Concentration per Run	0.0070 ppm	4.2378 ppm	0.0265 ppm	0.2870 ppm	0.1948 ppm	-0.0003 ppm	0.1657 ppm
Concentration RSD	31.1 %	0.6 %	6.0 %	0.3 %	0.5 %	40.2 %	0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.8851 ppm	98.5807 %	99.9853 %	93.0153 %	115.5893 %	119.2828 %	118.2841 %
Concentration per Run	0.8867 ppm	98.8188 %	99.9581 %	93.3556 %	116.2338 %	119.3976 %	118.8311 %
Concentration per Run	0.8818 ppm	98.9758 %	99.4529 %	93.3574 %	115.6620 %	118.5772 %	118.2698 %
Concentration per Run	0.8869 ppm	97.9475 %	100.5450 %	92.3330 %	114.8721 %	119.8736 %	117.7514 %
Concentration RSD	0.3 %	0.6 %	0.5 %	0.6 %	0.6 %	0.5 %	0.5 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: CCV
Analysis started at: 11/28/2025 4:47:36 PM
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Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5006 ppm	0.4747 ppm	0.4740 ppm	0.4766 ppm	0.4947 ppm	0.4984 ppm	0.4858 ppm
Concentration per Run	0.4969 ppm	0.4713 ppm	0.4728 ppm	0.4729 ppm	0.4948 ppm	0.4978 ppm	0.4851 ppm
Concentration per Run	0.4998 ppm	0.4760 ppm	0.4733 ppm	0.4753 ppm	0.4928 ppm	0.4979 ppm	0.4839 ppm
Concentration per Run	0.5051 ppm	0.4766 ppm	0.4760 ppm	0.4816 ppm	0.4966 ppm	0.4996 ppm	0.4886 ppm
Recovery Percentage	100.123 %	94.931 %	94.807 %	95.319 %	98.943 %	99.682 %	97.168 %
Concentration RSD	0.8 %	0.6 %	0.4 %	0.9 %	0.4 %	0.2 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5080 ppm	0.5079 ppm	0.5080 ppm	0.5142 ppm	0.4943 ppm	5.1863 ppm	0.5136 ppm
Concentration per Run	0.5052 ppm	0.5054 ppm	0.5026 ppm	0.5110 ppm	0.4977 ppm	5.1853 ppm	0.5192 ppm
Concentration per Run	0.5072 ppm	0.5069 ppm	0.5069 ppm	0.5125 ppm	0.4932 ppm	5.1717 ppm	0.5079 ppm
Concentration per Run	0.5116 ppm	0.5114 ppm	0.5145 ppm	0.5192 ppm	0.4919 ppm	5.2020 ppm	0.5138 ppm
Recovery Percentage	101.606 %	101.586 %	101.598 %	102.843 %	98.851 %	103.727 %	102.729 %
Concentration RSD	0.6 %	0.6 %	1.2 %	0.8 %	0.6 %	0.3 %	1.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5046 ppm	0.5008 ppm	0.4813 ppm	10.0789 ppm	0.5076 ppm	0.4931 ppm	0.5004 ppm
Concentration per Run	0.5068 ppm	0.5014 ppm	0.4791 ppm	10.1032 ppm	0.5061 ppm	0.4909 ppm	0.5030 ppm
Concentration per Run	0.5051 ppm	0.4996 ppm	0.4819 ppm	10.0423 ppm	0.5063 ppm	0.4953 ppm	0.4977 ppm
Concentration per Run	0.5019 ppm	0.5013 ppm	0.4828 ppm	10.0913 ppm	0.5105 ppm	0.4931 ppm	0.5005 ppm
Recovery Percentage	100.922 %	100.151 %	96.258 %	100.789 %	101.523 %	98.623 %	100.079 %
Concentration RSD	0.5 %	0.2 %	0.4 %	0.3 %	0.5 %	0.4 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4674 ppm	5.3105 ppm	0.4839 ppm	0.4881 ppm	0.4928 ppm	0.4864 ppm	0.5067 ppm
Concentration per Run	0.4699 ppm	5.2661 ppm	0.4809 ppm	0.4878 ppm	0.4926 ppm	0.4846 ppm	0.5030 ppm
Concentration per Run	0.4674 ppm	5.2980 ppm	0.4856 ppm	0.4863 ppm	0.4933 ppm	0.4866 ppm	0.5048 ppm
Concentration per Run	0.4649 ppm	5.3674 ppm	0.4852 ppm	0.4902 ppm	0.4925 ppm	0.4880 ppm	0.5123 ppm
Recovery Percentage	93.482 %	101.152 %	96.785 %	97.628 %	98.561 %	97.274 %	101.341 %
Concentration RSD	0.5 %	1.0 %	0.5 %	0.4 %	0.1 %	0.4 %	1.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4981 ppm	100.1104 %	97.7907 %	99.7292 %	98.3286 %	95.6387 %	98.6500 %
Concentration per Run	0.4951 ppm	100.5117 %	98.4154 %	99.7980 %	98.8665 %	96.2279 %	98.7410 %
Concentration per Run	0.4971 ppm	99.9202 %	97.3855 %	99.1613 %	97.7761 %	95.0858 %	98.2848 %
Concentration per Run	0.5020 ppm	99.8992 %	97.5712 %	100.2284 %	98.3430 %	95.6025 %	98.9241 %
Recovery Percentage	99.620 %						
Concentration RSD	0.7 %	0.3 %	0.6 %	0.5 %	0.6 %	0.6 %	0.3 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: CCB
Analysis started at: 11/28/2025 4:49:46 PM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	-0.0002 ppm	-0.0007 ppm	-0.0005 ppm	0.0002 ppm	0.0000 ppm	-0.0026 ppm
Concentration per Run	0.0006 ppm	0.0052 ppm	-0.0002 ppm	-0.0001 ppm	0.0002 ppm	0.0000 ppm	-0.0004 ppm
Concentration per Run	0.0002 ppm	-0.0002 ppm	-0.0007 ppm	0.0000 ppm	0.0001 ppm	0.0000 ppm	-0.0021 ppm
Concentration per Run	-0.0002 ppm	-0.0055 ppm	-0.0013 ppm	-0.0013 ppm	0.0001 ppm	0.0000 ppm	-0.0054 ppm
Recovery Percentage	3.058 %	-0.164 %	-14.912 %	-1.619 %	1.639 %	0.730 %	-2.626 %
Concentration RSD	167.7 %	3,265.8 %	73.6 %	140.6 %	33.9 %	77.7 %	97.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0001 ppm	-0.0001 ppm	-0.0003 ppm	0.0002 ppm	-0.0356 ppm	0.0010 ppm
Concentration per Run	-0.0001 ppm	-0.0001 ppm	-0.0001 ppm	-0.0002 ppm	0.0011 ppm	-0.0302 ppm	0.0013 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	-0.0001 ppm	-0.0004 ppm	-0.0008 ppm	-0.0499 ppm	-0.0002 ppm
Concentration per Run	0.0000 ppm	0.0003 ppm	0.0000 ppm	-0.0001 ppm	0.0003 ppm	-0.0268 ppm	0.0020 ppm
Recovery Percentage	-0.178 %	0.321 %	-0.918 %	-2.562 %	0.410 %	-1.426 %	20.628 %
Concentration RSD	622.0 %	314.5 %	93.1 %	57.4 %	468.7 %	34.9 %	106.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0019 ppm	0.0000 ppm	0.0001 ppm	0.0171 ppm	-0.0005 ppm	-0.0011 ppm	0.0038 ppm
Concentration per Run	-0.0005 ppm	0.0002 ppm	0.0005 ppm	0.0190 ppm	-0.0010 ppm	-0.0010 ppm	0.0057 ppm
Concentration per Run	-0.0038 ppm	-0.0001 ppm	0.0000 ppm	0.0129 ppm	0.0001 ppm	-0.0013 ppm	0.0056 ppm
Concentration per Run	-0.0015 ppm	-0.0001 ppm	-0.0003 ppm	0.0193 ppm	-0.0006 ppm	-0.0011 ppm	0.0000 ppm
Recovery Percentage	-1.931 %	-0.044 %	0.178 %	0.854 %	-1.987 %	-11.307 %	7.520 %
Concentration RSD	88.3 %	3,338.1 %	442.2 %	21.5 %	109.4 %	11.4 %	85.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0011 ppm	0.0071 ppm	0.0001 ppm	0.0001 ppm	-0.0003 ppm	0.0017 ppm	-0.0002 ppm
Concentration per Run	0.0030 ppm	0.0045 ppm	0.0012 ppm	0.0001 ppm	-0.0002 ppm	0.0005 ppm	-0.0003 ppm
Concentration per Run	0.0017 ppm	0.0065 ppm	-0.0007 ppm	0.0000 ppm	-0.0004 ppm	0.0028 ppm	0.0000 ppm
Concentration per Run	-0.0014 ppm	0.0102 ppm	-0.0002 ppm	0.0001 ppm	-0.0004 ppm	0.0018 ppm	-0.0001 ppm
Recovery Percentage	11.135 %	1.417 %	0.144 %	0.862 %	-3.235 %	8.493 %	-1.668 %
Concentration RSD	201.0 %	41.0 %	1,392.0 %	54.2 %	37.6 %	67.3 %	101.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	96.9023 %	95.0063 %	97.9501 %	97.1284 %	95.3038 %	97.8577 %
Concentration per Run	0.0002 ppm	96.8327 %	96.2334 %	97.7591 %	96.9497 %	96.0391 %	97.9052 %
Concentration per Run	0.0003 ppm	96.6026 %	94.6030 %	98.0485 %	96.9580 %	94.7153 %	97.8612 %
Concentration per Run	-0.0001 ppm	97.2717 %	94.1825 %	98.0426 %	97.4774 %	95.1571 %	97.8068 %
Recovery Percentage	3.399 %						
Concentration RSD	129.1 %	0.4 %	1.1 %	0.2 %	0.3 %	0.7 %	0.1 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: xWG2147184-1 WG2147184
Analysis started at: 11/28/2025 5:01:29 PM
Comment <Comment>
Rack Number 2
Vial Numbers 52

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0187 ppm	-0.0002 ppm	0.0003 ppm	0.0003 ppm	0.0000 ppm	0.0096 ppm
Concentration per Run	0.0000 ppm	0.0170 ppm	-0.0009 ppm	-0.0003 ppm	0.0002 ppm	0.0001 ppm	0.0097 ppm
Concentration per Run	0.0002 ppm	0.0234 ppm	-0.0003 ppm	0.0003 ppm	0.0005 ppm	0.0001 ppm	0.0084 ppm
Concentration per Run	-0.0001 ppm	0.0156 ppm	0.0005 ppm	0.0011 ppm	0.0003 ppm	0.0000 ppm	0.0107 ppm
Recovery Percentage	0.534 %	18.657 %	-4.651 %	1.161 %	3.142 %	0.996 %	9.603 %
Concentration RSD	305.1 %	22.5 %	305.6 %	191.5 %	51.9 %	53.8 %	11.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0002 ppm	0.0003 ppm	-0.0002 ppm	0.0328 ppm	-0.0359 ppm	0.0027 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	0.0003 ppm	-0.0003 ppm	0.0338 ppm	-0.0467 ppm	0.0013 ppm
Concentration per Run	0.0000 ppm	-0.0004 ppm	0.0002 ppm	0.0001 ppm	0.0315 ppm	-0.0203 ppm	0.0029 ppm
Concentration per Run	0.0001 ppm	-0.0002 ppm	0.0005 ppm	-0.0006 ppm	0.0330 ppm	-0.0407 ppm	0.0039 ppm
Recovery Percentage	1.665 %	-1.027 %	3.324 %	-2.494 %	65.521 %	-1.436 %	54.327 %
Concentration RSD	66.6 %	91.6 %	36.2 %	154.6 %	3.5 %	38.6 %	49.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0091 ppm	0.0152 ppm	-0.0003 ppm	0.0144 ppm	-0.0007 ppm	-0.0012 ppm	0.0009 ppm
Concentration per Run	0.0092 ppm	0.0154 ppm	-0.0003 ppm	0.0116 ppm	0.0000 ppm	-0.0009 ppm	0.0011 ppm
Concentration per Run	0.0075 ppm	0.0152 ppm	-0.0005 ppm	0.0144 ppm	-0.0012 ppm	-0.0001 ppm	0.0028 ppm
Concentration per Run	0.0107 ppm	0.0150 ppm	-0.0002 ppm	0.0173 ppm	-0.0010 ppm	-0.0025 ppm	-0.0011 ppm
Recovery Percentage	9.149 %	152.040 %	-0.649 %	0.722 %	-2.908 %	-11.544 %	1.875 %
Concentration RSD	17.1 %	1.1 %	47.1 %	20.0 %	83.8 %	109.4 %	206.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0027 ppm	0.0252 ppm	0.0085 ppm	0.0002 ppm	0.0011 ppm	0.0004 ppm	0.0000 ppm
Concentration per Run	0.0026 ppm	0.0221 ppm	0.0078 ppm	0.0001 ppm	0.0014 ppm	0.0012 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0270 ppm	0.0096 ppm	0.0002 ppm	0.0012 ppm	-0.0001 ppm	-0.0002 ppm
Concentration per Run	0.0057 ppm	0.0264 ppm	0.0080 ppm	0.0003 ppm	0.0007 ppm	-0.0001 ppm	0.0001 ppm
Recovery Percentage	27.486 %	5.035 %	16.909 %	1.622 %	10.757 %	1.816 %	-0.163 %
Concentration RSD	103.0 %	10.6 %	11.9 %	59.2 %	29.7 %	203.5 %	810.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0007 ppm	99.5122 %	96.9402 %	99.0587 %	99.5916 %	96.1821 %	99.2177 %
Concentration per Run	0.0008 ppm	99.3897 %	98.1429 %	98.8274 %	99.4827 %	96.9375 %	98.8980 %
Concentration per Run	0.0008 ppm	99.9135 %	96.4621 %	99.1207 %	100.1933 %	96.2651 %	99.2079 %
Concentration per Run	0.0007 ppm	99.2334 %	96.2157 %	99.2279 %	99.0988 %	95.3437 %	99.5472 %
Recovery Percentage	14.765 %						
Concentration RSD	4.5 %	0.4 %	1.1 %	0.2 %	0.6 %	0.8 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2575492-05d2 WG2147184
Analysis started at: 11/28/2025 5:03:51 PM
Comment <Comment>
Rack Number 3
Vial Numbers 2

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0019 ppm	125.8061 ppm	0.1287 ppm	0.0268 ppm	0.7692 ppm	0.0071 ppm	109.3380 ppm
Concentration per Run	0.0016 ppm	125.3884 ppm	0.1273 ppm	0.0271 ppm	0.7665 ppm	0.0071 ppm	109.0828 ppm
Concentration per Run	0.0028 ppm	125.8585 ppm	0.1295 ppm	0.0270 ppm	0.7699 ppm	0.0071 ppm	109.3357 ppm
Concentration per Run	0.0012 ppm	126.1714 ppm	0.1292 ppm	0.0262 ppm	0.7712 ppm	0.0070 ppm	109.5954 ppm
Concentration RSD	43.8 %	0.3 %	0.9 %	1.9 %	0.3 %	0.3 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0088 ppm	0.1247 ppm	0.1808 ppm	0.3651 ppm	260.8248 ppm	6.2576 ppm	0.3085 ppm
Concentration per Run	0.0087 ppm	0.1240 ppm	0.1803 ppm	0.3632 ppm	260.1068 ppm	6.2563 ppm	0.3090 ppm
Concentration per Run	0.0088 ppm	0.1246 ppm	0.1795 ppm	0.3630 ppm	260.7233 ppm	6.2436 ppm	0.3075 ppm
Concentration per Run	0.0089 ppm	0.1256 ppm	0.1828 ppm	0.3690 ppm	261.6442 ppm	6.2729 ppm	0.3089 ppm
Concentration RSD	0.8 %	0.7 %	1.0 %	0.9 %	0.3 %	0.2 %	0.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	133.2725 ppm	9.0777 ppm	0.0090 ppm	1.1312 ppm	0.2520 ppm	6.9017 ppm	0.0510 ppm
Concentration per Run	132.8213 ppm	9.0519 ppm	0.0091 ppm	1.1339 ppm	0.2513 ppm	6.9187 ppm	0.0472 ppm
Concentration per Run	133.2520 ppm	9.0838 ppm	0.0091 ppm	1.1279 ppm	0.2511 ppm	6.9289 ppm	0.0520 ppm
Concentration per Run	133.7441 ppm	9.0975 ppm	0.0088 ppm	1.1319 ppm	0.2536 ppm	6.8575 ppm	0.0537 ppm
Concentration RSD	0.3 %	0.3 %	1.7 %	0.3 %	0.6 %	0.6 %	6.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0039 ppm	6.3147 ppm	0.0313 ppm	0.5474 ppm	0.1787 ppm	0.0015 ppm	0.1803 ppm
Concentration per Run	0.0045 ppm	6.2855 ppm	0.0304 ppm	0.5454 ppm	0.1785 ppm	0.0010 ppm	0.1797 ppm
Concentration per Run	0.0035 ppm	6.2383 ppm	0.0320 ppm	0.5483 ppm	0.1767 ppm	0.0024 ppm	0.1785 ppm
Concentration per Run	0.0037 ppm	6.4202 ppm	0.0316 ppm	0.5484 ppm	0.1810 ppm	0.0011 ppm	0.1827 ppm
Concentration RSD	13.5 %	1.5 %	2.6 %	0.3 %	1.2 %	52.8 %	1.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0528 ppm	97.4131 %	98.8409 %	89.7566 %	111.4874 %	114.7100 %	111.9444 %
Concentration per Run	1.0461 ppm	98.2257 %	98.7156 %	89.3235 %	112.0855 %	114.3270 %	111.6137 %
Concentration per Run	1.0454 ppm	97.3559 %	99.5279 %	89.6772 %	111.4334 %	115.6519 %	112.0085 %
Concentration per Run	1.0668 ppm	96.6577 %	98.2792 %	90.2692 %	110.9432 %	114.1512 %	112.2112 %
Concentration RSD	1.2 %	0.8 %	0.6 %	0.5 %	0.5 %	0.7 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2575492-06d2 WG2147184
Analysis started at: 11/28/2025 5:06:01 PM
Comment <Comment>
Rack Number 3
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0021 ppm	111.7326 ppm	0.0979 ppm	0.0150 ppm	0.4194 ppm	0.0061 ppm	143.3567 ppm
Concentration per Run	0.0021 ppm	111.9244 ppm	0.1000 ppm	0.0145 ppm	0.4217 ppm	0.0062 ppm	143.8524 ppm
Concentration per Run	0.0018 ppm	111.5214 ppm	0.0982 ppm	0.0147 ppm	0.4161 ppm	0.0061 ppm	143.3224 ppm
Concentration per Run	0.0024 ppm	111.7520 ppm	0.0956 ppm	0.0158 ppm	0.4205 ppm	0.0060 ppm	142.8954 ppm
Concentration RSD	14.4 %	0.2 %	2.3 %	4.6 %	0.7 %	1.2 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0038 ppm	0.1658 ppm	0.1659 ppm	0.3901 ppm	281.4463 ppm	6.0442 ppm	0.3161 ppm
Concentration per Run	0.0038 ppm	0.1649 ppm	0.1647 ppm	0.3891 ppm	282.7371 ppm	6.0833 ppm	0.3192 ppm
Concentration per Run	0.0037 ppm	0.1665 ppm	0.1674 ppm	0.3917 ppm	281.1350 ppm	6.0667 ppm	0.3116 ppm
Concentration per Run	0.0039 ppm	0.1658 ppm	0.1655 ppm	0.3896 ppm	280.4669 ppm	5.9828 ppm	0.3174 ppm
Concentration RSD	3.1 %	0.5 %	0.8 %	0.4 %	0.4 %	0.9 %	1.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	79.8994 ppm	6.6049 ppm	0.0175 ppm	0.6017 ppm	0.3051 ppm	1.4544 ppm	0.0108 ppm
Concentration per Run	79.9231 ppm	6.6154 ppm	0.0175 ppm	0.6024 ppm	0.3036 ppm	1.4579 ppm	0.0116 ppm
Concentration per Run	79.7910 ppm	6.6002 ppm	0.0177 ppm	0.6022 ppm	0.3056 ppm	1.4580 ppm	0.0076 ppm
Concentration per Run	79.9840 ppm	6.5990 ppm	0.0173 ppm	0.6005 ppm	0.3060 ppm	1.4472 ppm	0.0133 ppm
Concentration RSD	0.1 %	0.1 %	1.1 %	0.2 %	0.4 %	0.4 %	26.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0054 ppm	4.0857 ppm	0.0113 ppm	0.6288 ppm	0.1897 ppm	0.0000 ppm	0.1373 ppm
Concentration per Run	0.0030 ppm	4.0866 ppm	0.0118 ppm	0.6304 ppm	0.1899 ppm	0.0006 ppm	0.1367 ppm
Concentration per Run	0.0064 ppm	4.0832 ppm	0.0121 ppm	0.6252 ppm	0.1859 ppm	-0.0004 ppm	0.1378 ppm
Concentration per Run	0.0068 ppm	4.0873 ppm	0.0100 ppm	0.6308 ppm	0.1933 ppm	-0.0003 ppm	0.1373 ppm
Concentration RSD	38.2 %	0.1 %	9.9 %	0.5 %	2.0 %	2,658.4 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.7596 ppm	96.6370 %	99.3954 %	89.9977 %	106.6407 %	109.4221 %	107.6372 %
Concentration per Run	0.7589 ppm	96.2590 %	98.7222 %	89.5835 %	105.9371 %	109.0193 %	107.1588 %
Concentration per Run	0.7597 ppm	96.7422 %	99.7194 %	90.0043 %	107.0421 %	109.8313 %	107.8291 %
Concentration per Run	0.7603 ppm	96.9099 %	99.7447 %	90.4052 %	106.9430 %	109.4158 %	107.9237 %
Concentration RSD	0.1 %	0.3 %	0.6 %	0.5 %	0.6 %	0.4 %	0.4 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2575492-07d2 WG2147184
Analysis started at: 11/28/2025 5:08:11 PM
Comment <Comment>
Rack Number 3
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0017 ppm	111.0860 ppm	0.1427 ppm	0.0139 ppm	0.6805 ppm	0.0061 ppm	97.2146 ppm
Concentration per Run	0.0014 ppm	110.2324 ppm	0.1423 ppm	0.0142 ppm	0.6758 ppm	0.0061 ppm	96.4881 ppm
Concentration per Run	0.0019 ppm	111.2244 ppm	0.1407 ppm	0.0158 ppm	0.6810 ppm	0.0061 ppm	97.2742 ppm
Concentration per Run	0.0016 ppm	111.8012 ppm	0.1451 ppm	0.0119 ppm	0.6848 ppm	0.0061 ppm	97.8814 ppm
Concentration RSD	12.8 %	0.7 %	1.6 %	14.0 %	0.7 %	0.4 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0107 ppm	0.1250 ppm	0.1709 ppm	0.3527 ppm	238.2414 ppm	6.1911 ppm	0.2647 ppm
Concentration per Run	0.0108 ppm	0.1239 ppm	0.1709 ppm	0.3519 ppm	236.8535 ppm	6.1791 ppm	0.2689 ppm
Concentration per Run	0.0108 ppm	0.1266 ppm	0.1728 ppm	0.3544 ppm	237.9422 ppm	6.1793 ppm	0.2620 ppm
Concentration per Run	0.0106 ppm	0.1246 ppm	0.1689 ppm	0.3518 ppm	239.9285 ppm	6.2148 ppm	0.2632 ppm
Concentration RSD	0.9 %	1.1 %	1.1 %	0.4 %	0.7 %	0.3 %	1.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	55.1761 ppm	9.2058 ppm	0.0051 ppm	1.1820 ppm	0.2592 ppm	5.9858 ppm	0.0466 ppm
Concentration per Run	54.9924 ppm	9.1385 ppm	0.0054 ppm	1.1725 ppm	0.2601 ppm	5.9765 ppm	0.0411 ppm
Concentration per Run	55.2995 ppm	9.2112 ppm	0.0045 ppm	1.1805 ppm	0.2608 ppm	5.9767 ppm	0.0488 ppm
Concentration per Run	55.2366 ppm	9.2678 ppm	0.0053 ppm	1.1929 ppm	0.2566 ppm	6.0041 ppm	0.0500 ppm
Concentration RSD	0.3 %	0.7 %	9.9 %	0.9 %	0.9 %	0.3 %	10.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0041 ppm	4.5464 ppm	0.0321 ppm	0.3009 ppm	0.2319 ppm	-0.0004 ppm	0.1712 ppm
Concentration per Run	0.0045 ppm	4.5304 ppm	0.0327 ppm	0.2981 ppm	0.2313 ppm	0.0004 ppm	0.1705 ppm
Concentration per Run	0.0042 ppm	4.5802 ppm	0.0330 ppm	0.3015 ppm	0.2312 ppm	-0.0011 ppm	0.1727 ppm
Concentration per Run	0.0036 ppm	4.5286 ppm	0.0305 ppm	0.3030 ppm	0.2333 ppm	-0.0007 ppm	0.1702 ppm
Concentration RSD	10.8 %	0.6 %	4.3 %	0.8 %	0.5 %	175.4 %	0.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0119 ppm	98.0217 %	101.5392 %	91.4910 %	113.1010 %	117.2290 %	114.1010 %
Concentration per Run	1.0111 ppm	97.7686 %	102.4192 %	91.7581 %	113.0664 %	118.1556 %	114.4480 %
Concentration per Run	1.0194 ppm	97.2295 %	101.2903 %	91.3110 %	112.5011 %	116.6036 %	113.4802 %
Concentration per Run	1.0053 ppm	99.0671 %	100.9082 %	91.4038 %	113.7355 %	116.9278 %	114.3748 %
Concentration RSD	0.7 %	1.0 %	0.8 %	0.3 %	0.5 %	0.7 %	0.5 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2575492-08d2 WG2147184
Analysis started at: 11/28/2025 5:10:22 PM
Comment <Comment>
Rack Number 3
Vial Numbers 5

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0018 ppm	109.3869 ppm	0.1044 ppm	0.0136 ppm	0.8900 ppm	0.0066 ppm	89.2101 ppm
Concentration per Run	0.0014 ppm	109.1670 ppm	0.1027 ppm	0.0134 ppm	0.8895 ppm	0.0066 ppm	89.0153 ppm
Concentration per Run	0.0027 ppm	109.8462 ppm	0.1050 ppm	0.0145 ppm	0.8971 ppm	0.0067 ppm	89.7385 ppm
Concentration per Run	0.0013 ppm	109.1473 ppm	0.1053 ppm	0.0130 ppm	0.8835 ppm	0.0065 ppm	88.8764 ppm
Concentration RSD	43.7 %	0.4 %	1.4 %	5.8 %	0.8 %	1.4 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0104 ppm	0.1151 ppm	0.1665 ppm	0.3453 ppm	218.2923 ppm	6.7275 ppm	0.2426 ppm
Concentration per Run	0.0103 ppm	0.1152 ppm	0.1665 ppm	0.3444 ppm	217.3170 ppm	6.7070 ppm	0.2472 ppm
Concentration per Run	0.0103 ppm	0.1143 ppm	0.1652 ppm	0.3433 ppm	220.1773 ppm	6.7998 ppm	0.2473 ppm
Concentration per Run	0.0105 ppm	0.1157 ppm	0.1679 ppm	0.3481 ppm	217.3826 ppm	6.6755 ppm	0.2332 ppm
Concentration RSD	1.4 %	0.6 %	0.8 %	0.7 %	0.7 %	1.0 %	3.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	51.4717 ppm	11.7159 ppm	0.0063 ppm	1.4307 ppm	0.2430 ppm	4.3002 ppm	0.0323 ppm
Concentration per Run	51.3549 ppm	11.6861 ppm	0.0062 ppm	1.4381 ppm	0.2418 ppm	4.3072 ppm	0.0315 ppm
Concentration per Run	51.5038 ppm	11.8027 ppm	0.0064 ppm	1.4373 ppm	0.2414 ppm	4.2894 ppm	0.0357 ppm
Concentration per Run	51.5563 ppm	11.6588 ppm	0.0063 ppm	1.4167 ppm	0.2459 ppm	4.3041 ppm	0.0296 ppm
Concentration RSD	0.2 %	0.7 %	1.2 %	0.8 %	1.0 %	0.2 %	9.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0059 ppm	4.5641 ppm	0.0272 ppm	0.3606 ppm	0.1692 ppm	-0.0001 ppm	0.1681 ppm
Concentration per Run	0.0046 ppm	4.5575 ppm	0.0271 ppm	0.3618 ppm	0.1657 ppm	0.0014 ppm	0.1680 ppm
Concentration per Run	0.0078 ppm	4.5807 ppm	0.0272 ppm	0.3605 ppm	0.1759 ppm	-0.0015 ppm	0.1668 ppm
Concentration per Run	0.0052 ppm	4.5540 ppm	0.0272 ppm	0.3595 ppm	0.1661 ppm	-0.0002 ppm	0.1696 ppm
Concentration RSD	28.8 %	0.3 %	0.4 %	0.3 %	3.4 %	1,275.7 %	0.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.1947 ppm	98.9176 %	101.2158 %	92.4327 %	115.2795 %	118.0034 %	116.1867 %
Concentration per Run	1.1890 ppm	98.7775 %	101.8618 %	92.6574 %	115.2234 %	118.5165 %	116.5127 %
Concentration per Run	1.1911 ppm	99.8667 %	100.4947 %	92.5931 %	115.9918 %	117.8338 %	116.0278 %
Concentration per Run	1.2041 ppm	98.1087 %	101.2908 %	92.0477 %	114.6232 %	117.6599 %	116.0197 %
Concentration RSD	0.7 %	0.9 %	0.7 %	0.4 %	0.6 %	0.4 %	0.2 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: CCV
Analysis started at: 11/28/2025 5:12:33 PM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5010 ppm	0.4778 ppm	0.4744 ppm	0.4757 ppm	0.4974 ppm	0.5020 ppm	0.4871 ppm
Concentration per Run	0.5020 ppm	0.4815 ppm	0.4782 ppm	0.4740 ppm	0.4972 ppm	0.5029 ppm	0.4845 ppm
Concentration per Run	0.5037 ppm	0.4811 ppm	0.4722 ppm	0.4817 ppm	0.5003 ppm	0.5038 ppm	0.4896 ppm
Concentration per Run	0.4972 ppm	0.4707 ppm	0.4727 ppm	0.4713 ppm	0.4947 ppm	0.4994 ppm	0.4871 ppm
Recovery Percentage	100.201 %	95.556 %	94.874 %	95.134 %	99.484 %	100.402 %	97.413 %
Concentration RSD	0.7 %	1.3 %	0.7 %	1.1 %	0.6 %	0.5 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5073 ppm	0.5070 ppm	0.5092 ppm	0.5166 ppm	0.4982 ppm	5.1947 ppm	0.5273 ppm
Concentration per Run	0.5079 ppm	0.5060 ppm	0.5100 ppm	0.5168 ppm	0.5031 ppm	5.1847 ppm	0.5286 ppm
Concentration per Run	0.5114 ppm	0.5098 ppm	0.5146 ppm	0.5192 ppm	0.4965 ppm	5.2130 ppm	0.5326 ppm
Concentration per Run	0.5027 ppm	0.5054 ppm	0.5031 ppm	0.5139 ppm	0.4950 ppm	5.1864 ppm	0.5207 ppm
Recovery Percentage	101.467 %	101.408 %	101.850 %	103.328 %	99.635 %	103.894 %	105.461 %
Concentration RSD	0.9 %	0.5 %	1.1 %	0.5 %	0.9 %	0.3 %	1.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5070 ppm	0.5029 ppm	0.4818 ppm	10.2197 ppm	0.5087 ppm	0.4920 ppm	0.5003 ppm
Concentration per Run	0.5068 ppm	0.5032 ppm	0.4819 ppm	10.2532 ppm	0.5101 ppm	0.4930 ppm	0.4999 ppm
Concentration per Run	0.5100 ppm	0.5037 ppm	0.4839 ppm	10.2710 ppm	0.5099 ppm	0.4922 ppm	0.5015 ppm
Concentration per Run	0.5043 ppm	0.5019 ppm	0.4796 ppm	10.1347 ppm	0.5062 ppm	0.4909 ppm	0.4996 ppm
Recovery Percentage	101.402 %	100.590 %	96.360 %	102.197 %	101.748 %	98.404 %	100.062 %
Concentration RSD	0.6 %	0.2 %	0.5 %	0.7 %	0.4 %	0.2 %	0.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4656 ppm	5.3155 ppm	0.4840 ppm	0.4922 ppm	0.4936 ppm	0.4852 ppm	0.5085 ppm
Concentration per Run	0.4699 ppm	5.3011 ppm	0.4812 ppm	0.4928 ppm	0.4929 ppm	0.4861 ppm	0.5083 ppm
Concentration per Run	0.4623 ppm	5.3464 ppm	0.4863 ppm	0.4954 ppm	0.4952 ppm	0.4844 ppm	0.5116 ppm
Concentration per Run	0.4646 ppm	5.2989 ppm	0.4846 ppm	0.4883 ppm	0.4928 ppm	0.4851 ppm	0.5056 ppm
Recovery Percentage	93.124 %	101.247 %	96.807 %	98.433 %	98.726 %	97.038 %	101.692 %
Concentration RSD	0.8 %	0.5 %	0.5 %	0.7 %	0.3 %	0.2 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4962 ppm	100.0020 %	97.6698 %	99.1204 %	98.4804 %	95.7637 %	97.7730 %
Concentration per Run	0.4969 ppm	100.6207 %	98.1328 %	98.5179 %	98.9475 %	96.4305 %	97.2967 %
Concentration per Run	0.5004 ppm	99.1991 %	96.9480 %	99.1972 %	98.0014 %	95.3145 %	97.6987 %
Concentration per Run	0.4913 ppm	100.1860 %	97.9285 %	99.6460 %	98.4923 %	95.5462 %	98.3235 %
Recovery Percentage	99.237 %						
Concentration RSD	0.9 %	0.7 %	0.6 %	0.6 %	0.5 %	0.6 %	0.5 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: CCB
Analysis started at: 11/28/2025 5:14:43 PM
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Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	0.0028 ppm	-0.0006 ppm	0.0002 ppm	0.0003 ppm	0.0000 ppm	-0.0027 ppm
Concentration per Run	0.0008 ppm	0.0097 ppm	-0.0006 ppm	0.0000 ppm	0.0003 ppm	0.0000 ppm	-0.0050 ppm
Concentration per Run	0.0003 ppm	0.0017 ppm	-0.0010 ppm	0.0004 ppm	0.0004 ppm	0.0000 ppm	-0.0049 ppm
Concentration per Run	-0.0003 ppm	-0.0029 ppm	-0.0002 ppm	0.0001 ppm	0.0002 ppm	0.0000 ppm	0.0019 ppm
Recovery Percentage	3.356 %	2.812 %	-11.899 %	0.510 %	3.024 %	0.894 %	-2.686 %
Concentration RSD	231.4 %	226.9 %	67.6 %	148.6 %	23.8 %	42.3 %	147.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0001 ppm	-0.0005 ppm	-0.0005 ppm	0.0020 ppm	-0.0283 ppm	0.0012 ppm
Concentration per Run	0.0000 ppm	0.0003 ppm	-0.0004 ppm	-0.0007 ppm	0.0032 ppm	-0.0359 ppm	0.0029 ppm
Concentration per Run	-0.0001 ppm	0.0001 ppm	-0.0008 ppm	-0.0006 ppm	0.0026 ppm	-0.0052 ppm	0.0000 ppm
Concentration per Run	-0.0001 ppm	-0.0002 ppm	-0.0003 ppm	-0.0001 ppm	0.0003 ppm	-0.0436 ppm	0.0008 ppm
Recovery Percentage	-0.714 %	0.411 %	-4.953 %	-4.537 %	4.096 %	-1.130 %	24.478 %
Concentration RSD	140.2 %	291.7 %	47.9 %	75.5 %	73.7 %	71.9 %	121.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0005 ppm	0.0000 ppm	0.0002 ppm	0.0085 ppm	-0.0007 ppm	-0.0014 ppm	0.0007 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	-0.0003 ppm	0.0106 ppm	-0.0006 ppm	-0.0016 ppm	0.0020 ppm
Concentration per Run	0.0009 ppm	0.0001 ppm	0.0006 ppm	0.0053 ppm	-0.0004 ppm	-0.0019 ppm	-0.0021 ppm
Concentration per Run	0.0005 ppm	0.0000 ppm	0.0002 ppm	0.0094 ppm	-0.0011 ppm	-0.0006 ppm	0.0023 ppm
Recovery Percentage	0.501 %	0.454 %	0.321 %	0.423 %	-2.674 %	-13.777 %	1.465 %
Concentration RSD	79.1 %	202.1 %	280.0 %	33.1 %	54.3 %	50.8 %	339.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0027 ppm	0.0044 ppm	0.0006 ppm	0.0001 ppm	-0.0005 ppm	0.0012 ppm	0.0001 ppm
Concentration per Run	0.0008 ppm	0.0042 ppm	0.0014 ppm	0.0000 ppm	-0.0004 ppm	0.0020 ppm	0.0002 ppm
Concentration per Run	0.0054 ppm	0.0034 ppm	0.0011 ppm	0.0002 ppm	-0.0007 ppm	0.0017 ppm	-0.0003 ppm
Concentration per Run	0.0020 ppm	0.0055 ppm	-0.0007 ppm	0.0000 ppm	-0.0003 ppm	0.0000 ppm	0.0003 ppm
Recovery Percentage	27.438 %	0.879 %	1.199 %	0.850 %	-4.680 %	6.218 %	0.812 %
Concentration RSD	85.3 %	24.2 %	192.2 %	124.8 %	38.6 %	87.4 %	396.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0002 ppm	97.9940 %	95.1015 %	97.5890 %	98.5768 %	95.3015 %	97.3477 %
Concentration per Run	-0.0001 ppm	98.1413 %	94.1746 %	97.5658 %	98.7150 %	94.5407 %	97.2889 %
Concentration per Run	-0.0001 ppm	97.5446 %	94.6771 %	97.4475 %	98.4223 %	95.1415 %	97.5477 %
Concentration per Run	-0.0003 ppm	98.2961 %	96.4528 %	97.7539 %	98.5930 %	96.2222 %	97.2065 %
Recovery Percentage	-3.622 %						
Concentration RSD	81.2 %	0.4 %	1.3 %	0.2 %	0.1 %	0.9 %	0.2 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: WG2145172-1 WG2145172
Analysis started at: 11/28/2025 5:18:42 PM
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Rack Number 3
Vial Numbers 6

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0072 ppm	0.0002 ppm	0.0011 ppm	0.0003 ppm	0.0000 ppm	0.0460 ppm
Concentration per Run	-0.0001 ppm	0.0133 ppm	-0.0013 ppm	0.0012 ppm	0.0003 ppm	0.0000 ppm	0.0462 ppm
Concentration per Run	0.0004 ppm	0.0053 ppm	0.0009 ppm	0.0018 ppm	0.0004 ppm	0.0000 ppm	0.0501 ppm
Concentration per Run	-0.0003 ppm	0.0029 ppm	0.0009 ppm	0.0004 ppm	0.0004 ppm	0.0000 ppm	0.0416 ppm
Recovery Percentage	0.148 %	7.153 %	3.944 %	3.799 %	3.467 %	-0.183 %	45.955 %
Concentration RSD	3,424.2 %	76.5 %	650.0 %	58.9 %	13.9 %	193.5 %	9.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0003 ppm	0.0012 ppm	0.0006 ppm	**0.0604 ppm**	-0.0106 ppm	0.0012 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	0.0007 ppm	0.0010 ppm	0.0603 ppm	-0.0004 ppm	0.0024 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	0.0012 ppm	0.0003 ppm	0.0599 ppm	-0.0174 ppm	0.0002 ppm
Concentration per Run	0.0001 ppm	0.0005 ppm	0.0017 ppm	0.0006 ppm	0.0610 ppm	-0.0141 ppm	0.0009 ppm
Recovery Percentage	1.102 %	1.538 %	12.396 %	6.152 %	120.806 %	-0.424 %	23.700 %
Concentration RSD	125.4 %	61.0 %	40.5 %	51.6 %	**1.0 %**	84.8 %	95.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0057 ppm	0.0018 ppm	-0.0001 ppm	0.0147 ppm	-0.0013 ppm	-0.0013 ppm	0.0034 ppm
Concentration per Run	0.0062 ppm	0.0016 ppm	0.0005 ppm	0.0138 ppm	-0.0009 ppm	-0.0021 ppm	0.0061 ppm
Concentration per Run	0.0051 ppm	0.0018 ppm	-0.0003 ppm	0.0162 ppm	-0.0013 ppm	-0.0007 ppm	0.0052 ppm
Concentration per Run	0.0059 ppm	0.0019 ppm	-0.0003 ppm	0.0141 ppm	-0.0017 ppm	-0.0013 ppm	-0.0011 ppm
Recovery Percentage	5.722 %	17.610 %	-0.118 %	0.735 %	-5.233 %	-13.489 %	6.777 %
Concentration RSD	10.5 %	6.5 %	751.8 %	8.6 %	28.6 %	51.5 %	116.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0023 ppm	0.0224 ppm	0.0093 ppm	0.0002 ppm	-0.0001 ppm	-0.0009 ppm	-0.0002 ppm
Concentration per Run	0.0044 ppm	0.0232 ppm	0.0088 ppm	0.0002 ppm	0.0001 ppm	-0.0012 ppm	-0.0003 ppm
Concentration per Run	0.0017 ppm	0.0203 ppm	0.0095 ppm	0.0001 ppm	0.0000 ppm	0.0016 ppm	-0.0003 ppm
Concentration per Run	0.0009 ppm	0.0235 ppm	0.0094 ppm	0.0002 ppm	-0.0003 ppm	-0.0029 ppm	-0.0001 ppm
Recovery Percentage	23.443 %	4.471 %	18.524 %	1.618 %	-0.532 %	-4.332 %	-2.160 %
Concentration RSD	78.4 %	8.1 %	4.2 %	19.7 %	395.0 %	261.9 %	48.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	**0.0148 ppm**	98.4793 %	96.5922 %	98.1367 %	98.9023 %	96.0970 %	98.7022 %
Concentration per Run	0.0148 ppm	98.6150 %	96.4475 %	97.6749 %	98.4722 %	96.3344 %	98.0441 %
Concentration per Run	0.0149 ppm	98.5483 %	96.6583 %	98.2986 %	99.2249 %	95.5112 %	99.3694 %
Concentration per Run	0.0148 ppm	98.2746 %	96.6707 %	98.4365 %	99.0099 %	96.4453 %	98.6931 %
Recovery Percentage	296.473 %						
Concentration RSD	**0.3 %**	0.2 %	0.1 %	0.4 %	0.4 %	0.5 %	0.7 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: WG2145172-2d2 WG2145172
Analysis started at: 11/28/2025 5:20:57 PM
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Rack Number 3
Vial Numbers 7

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0507 ppm	2.0795 ppm	0.1251 ppm	1.0520 ppm	2.0809 ppm	0.0523 ppm	11.2781 ppm
Concentration per Run	0.0511 ppm	2.0771 ppm	0.1204 ppm	1.0562 ppm	2.0762 ppm	0.0522 ppm	11.2211 ppm
Concentration per Run	0.0503 ppm	2.0873 ppm	0.1250 ppm	1.0432 ppm	2.0873 ppm	0.0523 ppm	11.3163 ppm
Concentration per Run	0.0508 ppm	2.0742 ppm	0.1299 ppm	1.0568 ppm	2.0792 ppm	0.0524 ppm	11.2968 ppm
Concentration RSD	0.8 %	0.3 %	3.8 %	0.7 %	0.3 %	0.2 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0571 ppm	0.5003 ppm	0.2049 ppm	0.2589 ppm	1.0549 ppm	11.5175 ppm	0.0015 ppm
Concentration per Run	0.0573 ppm	0.5028 ppm	0.2056 ppm	0.2595 ppm	1.0504 ppm	11.4963 ppm	0.0021 ppm
Concentration per Run	0.0564 ppm	0.4955 ppm	0.2022 ppm	0.2567 ppm	1.0565 ppm	11.5029 ppm	0.0022 ppm
Concentration per Run	0.0576 ppm	0.5026 ppm	0.2070 ppm	0.2603 ppm	1.0577 ppm	11.5532 ppm	0.0002 ppm
Concentration RSD	1.0 %	0.8 %	1.2 %	0.7 %	0.4 %	0.3 %	76.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	10.9031 ppm	0.5159 ppm	1.0769 ppm	11.5561 ppm	0.5056 ppm	0.5623 ppm	0.5384 ppm
Concentration per Run	10.9439 ppm	0.5130 ppm	1.0798 ppm	11.4965 ppm	0.5066 ppm	0.5614 ppm	0.5398 ppm
Concentration per Run	10.7853 ppm	0.5169 ppm	1.0695 ppm	11.6058 ppm	0.5020 ppm	0.5615 ppm	0.5327 ppm
Concentration per Run	10.9801 ppm	0.5179 ppm	1.0814 ppm	11.5661 ppm	0.5081 ppm	0.5640 ppm	0.5426 ppm
Concentration RSD	0.9 %	0.5 %	0.6 %	0.5 %	0.6 %	0.3 %	0.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1247 ppm	1.2012 ppm	1.0655 [SIC 50]	1.0772 ppm	1.0797 ppm	0.1256 ppm	0.5240 ppm
Concentration per Run	0.1210 ppm	1.2012 ppm	1.0695 ppm	1.0740 ppm	1.0817 ppm	0.1263 ppm	0.5262 ppm
Concentration per Run	0.1229 ppm	1.1891 ppm	1.0552 ppm	1.0810 ppm	1.0731 ppm	0.1252 ppm	0.5183 ppm
Concentration per Run	0.1301 ppm	1.2132 ppm	1.0717 ppm	1.0765 ppm	1.0844 ppm	0.1253 ppm	0.5275 ppm
Concentration RSD	3.8 %	1.0 %	0.8 %	0.3 %	0.5 %	0.5 %	0.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5050 ppm	97.5999 %	96.6145 %	96.2626 %	96.2983 %	94.9487 %	96.3537 %
Concentration per Run	0.5086 ppm	96.8171 %	97.0169 %	96.8275 %	95.4859 %	95.1543 %	96.9154 %
Concentration per Run	0.4996 ppm	98.1695 %	96.2132 %	96.3418 %	96.7726 %	94.8490 %	96.2796 %
Concentration per Run	0.5069 ppm	97.8132 %	96.6136 %	95.6187 %	96.6366 %	94.8430 %	95.8660 %
Concentration RSD	0.9 %	0.7 %	0.4 %	0.6 %	0.7 %	0.2 %	0.5 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2573952-15d2 WG2145172
Analysis started at: 11/28/2025 5:23:08 PM
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Rack Number 3
Vial Numbers 8

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0006 ppm	77.1683 ppm	0.2453 ppm	0.1280 ppm	0.1983 ppm	0.0061 ppm	7.0496 ppm
Concentration per Run	-0.0001 ppm	76.7700 ppm	0.2430 ppm	0.1286 ppm	0.1966 ppm	0.0060 ppm	7.0088 ppm
Concentration per Run	-0.0005 ppm	77.6385 ppm	0.2456 ppm	0.1289 ppm	0.2002 ppm	0.0061 ppm	7.1012 ppm
Concentration per Run	-0.0012 ppm	77.0964 ppm	0.2474 ppm	0.1265 ppm	0.1981 ppm	0.0061 ppm	7.0387 ppm
Concentration RSD	95.2 %	0.6 %	0.9 %	1.0 %	0.9 %	0.7 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0009 ppm	0.0148 ppm	0.3237 ppm	0.0764 ppm	245.9066 ppm	29.4018 ppm	0.0637 ppm
Concentration per Run	0.0009 ppm	0.0149 ppm	0.3225 ppm	0.0765 ppm	244.0616 ppm	29.2155 ppm	0.0642 ppm
Concentration per Run	0.0010 ppm	0.0146 ppm	0.3238 ppm	0.0762 ppm	247.7081 ppm	29.6470 ppm	0.0632 ppm
Concentration per Run	0.0009 ppm	0.0148 ppm	0.3249 ppm	0.0764 ppm	245.9502 ppm	29.3429 ppm	0.0636 ppm
Concentration RSD	6.4 %	1.0 %	0.4 %	0.2 %	0.7 %	0.8 %	0.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	12.9323 ppm	0.5817 ppm	0.0017 ppm	0.5376 ppm	0.0336 ppm	0.1619 ppm	0.0001 ppm
Concentration per Run	13.0023 ppm	0.5771 ppm	0.0013 ppm	0.5348 ppm	0.0334 ppm	0.1625 ppm	-0.0007 ppm
Concentration per Run	12.8700 ppm	0.5867 ppm	0.0024 ppm	0.5401 ppm	0.0339 ppm	0.1606 ppm	0.0023 ppm
Concentration per Run	12.9246 ppm	0.5812 ppm	0.0014 ppm	0.5380 ppm	0.0334 ppm	0.1627 ppm	-0.0011 ppm
Concentration RSD	0.5 %	0.8 %	37.1 %	0.5 %	0.9 %	0.7 %	1,392.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0042 ppm	11.5162 ppm	0.0087 ppm	0.0622 ppm	0.8758 ppm	-0.0039 ppm	0.7663 ppm
Concentration per Run	0.0040 ppm	11.4848 ppm	0.0085 ppm	0.0618 ppm	0.8842 ppm	-0.0055 ppm	0.7653 ppm
Concentration per Run	0.0034 ppm	11.5072 ppm	0.0079 ppm	0.0627 ppm	0.8701 ppm	-0.0026 ppm	0.7649 ppm
Concentration per Run	0.0052 ppm	11.5567 ppm	0.0099 ppm	0.0621 ppm	0.8729 ppm	-0.0036 ppm	0.7689 ppm
Concentration RSD	22.1 %	0.3 %	11.8 %	0.7 %	0.9 %	37.1 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1812 ppm	103.2892 %	103.3054 %	97.2161 %	110.0218 %	110.3766 %	110.5396 %
Concentration per Run	0.1813 ppm	102.9497 %	104.5291 %	97.4072 %	109.2163 %	111.0502 %	110.9557 %
Concentration per Run	0.1798 ppm	103.7584 %	102.0151 %	96.7475 %	110.7787 %	109.7480 %	109.9922 %
Concentration per Run	0.1826 ppm	103.1596 %	103.3722 %	97.4937 %	110.0705 %	110.3315 %	110.6709 %
Concentration RSD	0.8 %	0.4 %	1.2 %	0.4 %	0.7 %	0.6 %	0.4 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: WG2145172-3d2 WG2145172
Analysis started at: 11/28/2025 5:25:18 PM
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Rack Number 3
Vial Numbers 9

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0502 ppm	82.0350 ppm	0.2565 ppm	1.0421 ppm	2.4480 ppm	0.0578 ppm	20.6052 ppm
Concentration per Run	0.0499 ppm	82.0974 ppm	0.2556 ppm	1.0409 ppm	2.4516 ppm	0.0580 ppm	20.6796 ppm
Concentration per Run	0.0504 ppm	82.0860 ppm	0.2540 ppm	1.0419 ppm	2.4523 ppm	0.0577 ppm	20.6329 ppm
Concentration per Run	0.0503 ppm	81.9217 ppm	0.2598 ppm	1.0436 ppm	2.4401 ppm	0.0577 ppm	20.5029 ppm
Concentration RSD	0.5 %	0.1 %	1.2 %	0.1 %	0.3 %	0.3 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0571 ppm	0.5250 ppm	0.4869 ppm	0.3410 ppm	201.6419 ppm	30.8234 ppm	0.0990 ppm
Concentration per Run	0.0569 ppm	0.5237 ppm	0.4859 ppm	0.3408 ppm	202.3001 ppm	30.8185 ppm	0.1006 ppm
Concentration per Run	0.0571 ppm	0.5233 ppm	0.4844 ppm	0.3395 ppm	201.8766 ppm	30.9081 ppm	0.0984 ppm
Concentration per Run	0.0572 ppm	0.5280 ppm	0.4904 ppm	0.3429 ppm	200.7490 ppm	30.7437 ppm	0.0979 ppm
Concentration RSD	0.3 %	0.5 %	0.6 %	0.5 %	0.4 %	0.3 %	1.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	30.2061 ppm	1.5821 ppm	0.9218 ppm	12.1279 ppm	0.5691 ppm	2.5264 ppm	0.1903 ppm
Concentration per Run	30.1707 ppm	1.5857 ppm	0.9192 ppm	12.1458 ppm	0.5691 ppm	2.5051 ppm	0.1931 ppm
Concentration per Run	30.1391 ppm	1.5801 ppm	0.9208 ppm	12.1527 ppm	0.5683 ppm	2.5307 ppm	0.1874 ppm
Concentration per Run	30.3083 ppm	1.5805 ppm	0.9253 ppm	12.0851 ppm	0.5699 ppm	2.5435 ppm	0.1905 ppm
Concentration RSD	0.3 %	0.2 %	0.3 %	0.3 %	0.1 %	0.8 %	1.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1132 ppm	16.2549 ppm	0.9838 ppm	1.1423 ppm	2.6983 ppm	0.1165 ppm	1.1436 ppm
Concentration per Run	0.1127 ppm	16.2632 ppm	0.9802 ppm	1.1447 ppm	2.6848 ppm	0.1168 ppm	1.1421 ppm
Concentration per Run	0.1173 ppm	16.2281 ppm	0.9812 ppm	1.1440 ppm	2.6956 ppm	0.1164 ppm	1.1388 ppm
Concentration per Run	0.1095 ppm	16.2732 ppm	0.9901 ppm	1.1383 ppm	2.7145 ppm	0.1163 ppm	1.1500 ppm
Concentration RSD	3.5 %	0.1 %	0.6 %	0.3 %	0.6 %	0.3 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.8629 ppm	100.5555 %	101.9847 %	94.8478 %	108.7055 %	110.2219 %	109.0821 %
Concentration per Run	0.8633 ppm	100.1953 %	101.8964 %	94.5501 %	108.3194 %	111.0171 %	108.5652 %
Concentration per Run	0.8583 ppm	100.9533 %	101.0389 %	95.2576 %	109.1142 %	108.9991 %	109.7833 %
Concentration per Run	0.8670 ppm	100.5177 %	103.0189 %	94.7358 %	108.6830 %	110.6494 %	108.8979 %
Concentration RSD	0.5 %	0.4 %	1.0 %	0.4 %	0.4 %	1.0 %	0.6 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: WG2145172-4d2 WG2145172
Analysis started at: 11/28/2025 5:27:28 PM
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Rack Number 3
Vial Numbers 10

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0498 ppm	93.9034 ppm	0.4605 ppm	1.0597 ppm	2.3708 ppm	0.0611 ppm	19.8587 ppm
Concentration per Run	0.0497 ppm	93.0711 ppm	0.4593 ppm	1.0438 ppm	2.3541 ppm	0.0606 ppm	19.7835 ppm
Concentration per Run	0.0500 ppm	95.1279 ppm	0.4629 ppm	1.0623 ppm	2.4091 ppm	0.0620 ppm	19.9853 ppm
Concentration per Run	0.0496 ppm	93.5112 ppm	0.4593 ppm	1.0728 ppm	2.3490 ppm	0.0606 ppm	19.8073 ppm
Concentration RSD	0.4 %	1.2 %	0.4 %	1.4 %	1.4 %	1.3 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0574 ppm	0.5094 ppm	0.5789 ppm	0.3712 ppm	247.4911 ppm	43.4138 ppm	0.0756 ppm
Concentration per Run	0.0570 ppm	0.5067 ppm	0.5721 ppm	0.3683 ppm	246.3884 ppm	43.1522 ppm	0.0771 ppm
Concentration per Run	0.0575 ppm	0.5091 ppm	0.5788 ppm	0.3709 ppm	250.4285 ppm	43.9428 ppm	0.0761 ppm
Concentration per Run	0.0579 ppm	0.5125 ppm	0.5858 ppm	0.3744 ppm	245.6565 ppm	43.1463 ppm	0.0735 ppm
Concentration RSD	0.9 %	0.6 %	1.2 %	0.8 %	1.0 %	1.1 %	2.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	24.1712 ppm	1.1587 ppm	0.8773 ppm	12.5453 ppm	0.5378 ppm	0.7207 ppm	0.1522 ppm
Concentration per Run	24.1019 ppm	1.1476 ppm	0.8706 ppm	12.5471 ppm	0.5355 ppm	0.7184 ppm	0.1475 ppm
Concentration per Run	24.1593 ppm	1.1733 ppm	0.8774 ppm	12.6617 ppm	0.5363 ppm	0.7231 ppm	0.1542 ppm
Concentration per Run	24.2523 ppm	1.1552 ppm	0.8839 ppm	12.4269 ppm	0.5418 ppm	0.7207 ppm	0.1548 ppm
Concentration RSD	0.3 %	1.1 %	0.8 %	0.9 %	0.6 %	0.3 %	2.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1075 ppm	15.3790 ppm	0.9759 ppm	1.1970 ppm	1.6212 ppm	0.1170 ppm	1.4139 ppm
Concentration per Run	0.1019 ppm	15.2405 ppm	0.9693 ppm	1.1913 ppm	1.6130 ppm	0.1145 ppm	1.3988 ppm
Concentration per Run	0.1066 ppm	15.4027 ppm	0.9788 ppm	1.2160 ppm	1.6185 ppm	0.1184 ppm	1.4172 ppm
Concentration per Run	0.1141 ppm	15.4939 ppm	0.9796 ppm	1.1839 ppm	1.6322 ppm	0.1183 ppm	1.4257 ppm
Concentration RSD	5.7 %	0.8 %	0.6 %	1.4 %	0.6 %	1.9 %	1.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.7295 ppm	102.9837 %	105.2617 %	97.7858 %	112.6709 %	116.0179 %	115.0018 %
Concentration per Run	0.7227 ppm	103.2831 %	105.0053 %	97.7665 %	112.6438 %	115.3077 %	114.9371 %
Concentration per Run	0.7295 ppm	103.3724 %	104.9352 %	98.1290 %	112.9362 %	117.1453 %	115.3670 %
Concentration per Run	0.7365 ppm	102.2957 %	105.8446 %	97.4620 %	112.4327 %	115.6005 %	114.7014 %
Concentration RSD	0.9 %	0.6 %	0.5 %	0.3 %	0.2 %	0.9 %	0.3 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: WG2145172-5d2 WG2145172
Analysis started at: 11/28/2025 5:29:41 PM
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Rack Number 3
Vial Numbers 11

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0465 ppm	85.0872 ppm	0.3806 ppm	1.0988 ppm	2.1754 ppm	0.0557 ppm	18.4017 ppm
Concentration per Run	0.0465 ppm	84.9033 ppm	0.3762 ppm	1.0935 ppm	2.1731 ppm	0.0558 ppm	18.3624 ppm
Concentration per Run	0.0467 ppm	85.1552 ppm	0.3850 ppm	1.0988 ppm	2.1779 ppm	0.0558 ppm	18.4170 ppm
Concentration per Run	0.0462 ppm	85.2031 ppm	0.3806 ppm	1.1041 ppm	2.1752 ppm	0.0555 ppm	18.4256 ppm
Concentration RSD	0.5 %	0.2 %	1.1 %	0.5 %	0.1 %	0.3 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0532 ppm	0.4706 ppm	0.5315 ppm	0.3258 ppm	265.8470 ppm	42.5378 ppm	0.0690 ppm
Concentration per Run	0.0527 ppm	0.4676 ppm	0.5257 ppm	0.3243 ppm	264.9887 ppm	42.3130 ppm	0.0693 ppm
Concentration per Run	0.0534 ppm	0.4703 ppm	0.5351 ppm	0.3256 ppm	266.6971 ppm	42.6489 ppm	0.0690 ppm
Concentration per Run	0.0534 ppm	0.4741 ppm	0.5337 ppm	0.3274 ppm	265.8551 ppm	42.6516 ppm	0.0687 ppm
Concentration RSD	0.7 %	0.7 %	0.9 %	0.5 %	0.3 %	0.5 %	0.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	23.3739 ppm	1.1176 ppm	1.0035 ppm	11.5942 ppm	0.4958 ppm	0.7199 ppm	0.4774 ppm
Concentration per Run	23.2728 ppm	1.1162 ppm	0.9974 ppm	11.5886 ppm	0.4919 ppm	0.7165 ppm	0.4740 ppm
Concentration per Run	23.3921 ppm	1.1195 ppm	1.0002 ppm	11.5795 ppm	0.4977 ppm	0.7207 ppm	0.4824 ppm
Concentration per Run	23.4568 ppm	1.1172 ppm	1.0130 ppm	11.6146 ppm	0.4977 ppm	0.7224 ppm	0.4759 ppm
Concentration RSD	0.4 %	0.2 %	0.8 %	0.2 %	0.7 %	0.4 %	0.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1247 ppm	10.9683 ppm	0.9903 ppm	1.0932 ppm	1.9652 ppm	0.1105 ppm	1.2871 ppm
Concentration per Run	0.1188 ppm	10.8924 ppm	0.9900 ppm	1.0931 ppm	1.9619 ppm	0.1083 ppm	1.2787 ppm
Concentration per Run	0.1299 ppm	10.9730 ppm	0.9801 ppm	1.0944 ppm	1.9659 ppm	0.1130 ppm	1.2870 ppm
Concentration per Run	0.1255 ppm	11.0395 ppm	1.0009 ppm	1.0920 ppm	1.9678 ppm	0.1102 ppm	1.2957 ppm
Concentration RSD	4.5 %	0.7 %	1.1 %	0.1 %	0.2 %	2.2 %	0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6492 ppm	101.7317 %	104.4402 %	95.5486 %	109.4016 %	112.1188 %	110.2278 %
Concentration per Run	0.6446 ppm	101.4170 %	105.2387 %	95.2352 %	108.9278 %	113.4310 %	109.9871 %
Concentration per Run	0.6479 ppm	102.0418 %	103.8959 %	95.2224 %	109.7865 %	111.6222 %	109.7837 %
Concentration per Run	0.6551 ppm	101.7362 %	104.1858 %	96.1883 %	109.4906 %	111.3032 %	110.9126 %
Concentration RSD	0.8 %	0.3 %	0.7 %	0.6 %	0.4 %	1.0 %	0.5 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: WG2145172-6d10 WG2145172
Analysis started at: 11/28/2025 5:31:51 PM
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Rack Number 3
Vial Numbers 12

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	16.1017 ppm	0.0545 ppm	0.0260 ppm	0.0418 ppm	0.0013 ppm	1.4974 ppm
Concentration per Run	0.0003 ppm	16.1007 ppm	0.0551 ppm	0.0252 ppm	0.0420 ppm	0.0013 ppm	1.5005 ppm
Concentration per Run	-0.0004 ppm	16.0926 ppm	0.0547 ppm	0.0255 ppm	0.0417 ppm	0.0012 ppm	1.4883 ppm
Concentration per Run	0.0006 ppm	16.1119 ppm	0.0536 ppm	0.0273 ppm	0.0416 ppm	0.0013 ppm	1.5034 ppm
Concentration RSD	296.9 %	0.1 %	1.4 %	4.4 %	0.4 %	2.3 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0032 ppm	0.0673 ppm	0.0165 ppm	53.4684 ppm	6.0480 ppm	0.0152 ppm
Concentration per Run	0.0001 ppm	0.0035 ppm	0.0674 ppm	0.0168 ppm	53.4565 ppm	6.0494 ppm	0.0161 ppm
Concentration per Run	0.0002 ppm	0.0026 ppm	0.0667 ppm	0.0165 ppm	53.5373 ppm	6.0289 ppm	0.0146 ppm
Concentration per Run	0.0003 ppm	0.0035 ppm	0.0677 ppm	0.0162 ppm	53.4115 ppm	6.0657 ppm	0.0148 ppm
Concentration RSD	41.7 %	15.8 %	0.8 %	1.9 %	0.1 %	0.3 %	5.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	2.7656 ppm	0.1241 ppm	0.0005 ppm	0.1254 ppm	0.0078 ppm	0.0336 ppm	0.0020 ppm
Concentration per Run	2.7705 ppm	0.1246 ppm	0.0004 ppm	0.1264 ppm	0.0088 ppm	0.0341 ppm	0.0012 ppm
Concentration per Run	2.7679 ppm	0.1240 ppm	0.0003 ppm	0.1223 ppm	0.0073 ppm	0.0328 ppm	0.0010 ppm
Concentration per Run	2.7585 ppm	0.1238 ppm	0.0009 ppm	0.1275 ppm	0.0072 ppm	0.0339 ppm	0.0038 ppm
Concentration RSD	0.2 %	0.4 %	63.3 %	2.2 %	12.0 %	2.0 %	77.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0021 ppm	1.7922 ppm	0.0020 ppm	0.0131 ppm	0.1891 ppm	0.0010 ppm	0.1569 ppm
Concentration per Run	0.0007 ppm	1.7990 ppm	0.0003 ppm	0.0132 ppm	0.1891 ppm	0.0004 ppm	0.1574 ppm
Concentration per Run	0.0042 ppm	1.7842 ppm	0.0041 ppm	0.0130 ppm	0.1895 ppm	0.0017 ppm	0.1558 ppm
Concentration per Run	0.0014 ppm	1.7934 ppm	0.0018 ppm	0.0132 ppm	0.1889 ppm	0.0009 ppm	0.1576 ppm
Concentration RSD	88.8 %	0.4 %	93.8 %	0.6 %	0.2 %	62.7 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0386 ppm	100.8955 %	98.9143 %	99.6782 %	101.3906 %	99.0050 %	101.6199 %
Concentration per Run	0.0392 ppm	99.9270 %	99.3716 %	99.5272 %	100.5140 %	99.9477 %	101.4966 %
Concentration per Run	0.0380 ppm	101.5330 %	98.4205 %	99.5980 %	101.7517 %	98.1798 %	101.6882 %
Concentration per Run	0.0387 ppm	101.2264 %	98.9508 %	99.9095 %	101.9060 %	98.8876 %	101.6750 %
Concentration RSD	1.5 %	0.8 %	0.5 %	0.2 %	0.8 %	0.9 %	0.1 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2571628-13d2 WG2145172
Analysis started at: 11/28/2025 5:34:02 PM
Comment <Comment>
Rack Number 3
Vial Numbers 13

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	51.1018 ppm	0.0244 ppm	0.1178 ppm	0.1432 ppm	0.0038 ppm	8.9711 ppm
Concentration per Run	0.0005 ppm	51.2561 ppm	0.0228 ppm	0.1161 ppm	0.1436 ppm	0.0038 ppm	9.0112 ppm
Concentration per Run	0.0004 ppm	51.0567 ppm	0.0241 ppm	0.1200 ppm	0.1434 ppm	0.0038 ppm	8.9897 ppm
Concentration per Run	-0.0002 ppm	50.9925 ppm	0.0262 ppm	0.1174 ppm	0.1426 ppm	0.0037 ppm	8.9123 ppm
Concentration RSD	154.2 %	0.3 %	7.0 %	1.7 %	0.4 %	1.3 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0007 ppm	0.0077 ppm	0.2161 ppm	0.0328 ppm	86.3150 ppm	20.1787 ppm	0.0234 ppm
Concentration per Run	0.0008 ppm	0.0076 ppm	0.2143 ppm	0.0330 ppm	86.6594 ppm	20.2762 ppm	0.0235 ppm
Concentration per Run	0.0007 ppm	0.0074 ppm	0.2137 ppm	0.0324 ppm	86.5260 ppm	20.2396 ppm	0.0234 ppm
Concentration per Run	0.0006 ppm	0.0079 ppm	0.2204 ppm	0.0330 ppm	85.7596 ppm	20.0203 ppm	0.0232 ppm
Concentration RSD	16.1 %	3.0 %	1.7 %	1.1 %	0.6 %	0.7 %	0.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	8.5194 ppm	0.1117 ppm	0.0044 ppm	0.9718 ppm	0.0187 ppm	0.0824 ppm	0.0005 ppm
Concentration per Run	8.5343 ppm	0.1121 ppm	0.0042 ppm	0.9802 ppm	0.0185 ppm	0.0819 ppm	0.0027 ppm
Concentration per Run	8.4542 ppm	0.1122 ppm	0.0047 ppm	0.9777 ppm	0.0185 ppm	0.0831 ppm	-0.0007 ppm
Concentration per Run	8.5697 ppm	0.1107 ppm	0.0043 ppm	0.9577 ppm	0.0191 ppm	0.0820 ppm	-0.0006 ppm
Concentration RSD	0.7 %	0.8 %	6.4 %	1.3 %	1.7 %	0.8 %	405.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0020 ppm	11.1729 ppm	0.0066 ppm	0.0769 ppm	0.8620 ppm	-0.0018 ppm	0.1558 ppm
Concentration per Run	-0.0007 ppm	11.1118 ppm	0.0070 ppm	0.0771 ppm	0.8624 ppm	-0.0016 ppm	0.1551 ppm
Concentration per Run	0.0032 ppm	11.0882 ppm	0.0074 ppm	0.0772 ppm	0.8603 ppm	-0.0018 ppm	0.1537 ppm
Concentration per Run	0.0034 ppm	11.3187 ppm	0.0055 ppm	0.0763 ppm	0.8632 ppm	-0.0020 ppm	0.1584 ppm
Concentration RSD	118.8 %	1.1 %	15.2 %	0.6 %	0.2 %	11.8 %	1.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1075 ppm	100.4369 %	99.3407 %	96.8307 %	110.6640 %	110.3397 %	111.4682 %
Concentration per Run	0.1059 ppm	100.6528 %	98.1394 %	96.4880 %	110.8541 %	109.7532 %	111.4390 %
Concentration per Run	0.1063 ppm	101.2939 %	99.2478 %	97.1025 %	111.1088 %	110.3447 %	111.6017 %
Concentration per Run	0.1104 ppm	99.3639 %	100.6348 %	96.9016 %	110.0291 %	110.9213 %	111.3638 %
Concentration RSD	2.3 %	1.0 %	1.3 %	0.3 %	0.5 %	0.5 %	0.1 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2572956-01d2 WG2145172
Analysis started at: 11/28/2025 5:36:12 PM
Comment <Comment>
Rack Number 3
Vial Numbers 14

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0011 ppm	91.3713 ppm	0.0025 ppm	0.0501 ppm	0.0760 ppm	0.0001 ppm	61.5677 ppm
Concentration per Run	0.0008 ppm	91.3241 ppm	0.0005 ppm	0.0487 ppm	0.0760 ppm	0.0001 ppm	61.5528 ppm
Concentration per Run	0.0007 ppm	91.3570 ppm	0.0037 ppm	0.0493 ppm	0.0759 ppm	0.0001 ppm	61.5422 ppm
Concentration per Run	0.0019 ppm	91.4328 ppm	0.0031 ppm	0.0523 ppm	0.0763 ppm	0.0001 ppm	61.6080 ppm
Concentration RSD	57.7 %	0.1 %	68.6 %	3.9 %	0.3 %	21.7 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0004 ppm	0.0661 ppm	0.1567 ppm	0.6823 ppm	82.2396 ppm	6.6796 ppm	0.0520 ppm
Concentration per Run	0.0003 ppm	0.0675 ppm	0.1588 ppm	0.6895 ppm	81.9898 ppm	6.7104 ppm	0.0532 ppm
Concentration per Run	0.0004 ppm	0.0646 ppm	0.1557 ppm	0.6795 ppm	82.1625 ppm	6.6672 ppm	0.0523 ppm
Concentration per Run	0.0005 ppm	0.0660 ppm	0.1556 ppm	0.6780 ppm	82.5666 ppm	6.6613 ppm	0.0504 ppm
Concentration RSD	22.3 %	2.2 %	1.2 %	0.9 %	0.4 %	0.4 %	2.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	49.7714 ppm	0.7154 ppm	-0.0003 ppm	13.8968 ppm	0.1398 ppm	0.0037 ppm	0.0015 ppm
Concentration per Run	49.9723 ppm	0.7152 ppm	-0.0001 ppm	13.9932 ppm	0.1407 ppm	0.0045 ppm	0.0012 ppm
Concentration per Run	49.4211 ppm	0.7132 ppm	-0.0003 ppm	13.8702 ppm	0.1397 ppm	0.0032 ppm	0.0009 ppm
Concentration per Run	49.9209 ppm	0.7176 ppm	-0.0004 ppm	13.8269 ppm	0.1391 ppm	0.0034 ppm	0.0023 ppm
Concentration RSD	0.6 %	0.3 %	71.0 %	0.6 %	0.6 %	19.5 %	49.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0013 ppm	6.7406 ppm	0.0045 ppm	0.2161 ppm	1.8120 ppm	0.0012 ppm	0.1518 ppm
Concentration per Run	-0.0036 ppm	6.7960 ppm	0.0046 ppm	0.2162 ppm	1.8172 ppm	0.0017 ppm	0.1536 ppm
Concentration per Run	0.0022 ppm	6.7084 ppm	0.0051 ppm	0.2156 ppm	1.8051 ppm	0.0021 ppm	0.1517 ppm
Concentration per Run	0.0053 ppm	6.7174 ppm	0.0037 ppm	0.2165 ppm	1.8137 ppm	-0.0002 ppm	0.1503 ppm
Concentration RSD	348.7 %	0.7 %	15.9 %	0.2 %	0.3 %	101.0 %	1.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1231 ppm	95.6520 %	96.3225 %	89.5844 %	96.0177 %	97.2767 %	95.6682 %
Concentration per Run	0.1246 ppm	94.2528 %	96.2284 %	89.6131 %	94.7528 %	97.2523 %	95.8304 %
Concentration per Run	0.1224 ppm	96.9829 %	96.3315 %	89.6114 %	97.6449 %	97.0566 %	95.3870 %
Concentration per Run	0.1224 ppm	95.7204 %	96.4075 %	89.5286 %	95.6555 %	97.5212 %	95.7872 %
Concentration RSD	1.0 %	1.4 %	0.1 %	0.1 %	1.5 %	0.2 %	0.3 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2573952-01d2 WG2145172
Analysis started at: 11/28/2025 5:38:22 PM
Comment <Comment>
Rack Number 3
Vial Numbers 15

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0003 ppm	139.7204 ppm	0.0512 ppm	0.0276 ppm	1.1562 ppm	0.0095 ppm	12.6296 ppm
Concentration per Run	0.0004 ppm	138.6625 ppm	0.0524 ppm	0.0281 ppm	1.1429 ppm	0.0093 ppm	12.5624 ppm
Concentration per Run	-0.0001 ppm	140.0898 ppm	0.0506 ppm	0.0263 ppm	1.1661 ppm	0.0095 ppm	12.6233 ppm
Concentration per Run	0.0006 ppm	140.4089 ppm	0.0506 ppm	0.0283 ppm	1.1597 ppm	0.0095 ppm	12.7032 ppm
Concentration RSD	108.0 %	0.7 %	2.0 %	4.1 %	1.0 %	1.2 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0011 ppm	0.0505 ppm	0.3494 ppm	0.0811 ppm	140.4798 ppm	8.5367 ppm	0.1740 ppm
Concentration per Run	0.0010 ppm	0.0507 ppm	0.3471 ppm	0.0809 ppm	139.6596 ppm	8.4752 ppm	0.1715 ppm
Concentration per Run	0.0013 ppm	0.0503 ppm	0.3478 ppm	0.0808 ppm	140.4219 ppm	8.5458 ppm	0.1751 ppm
Concentration per Run	0.0011 ppm	0.0506 ppm	0.3534 ppm	0.0817 ppm	141.3579 ppm	8.5893 ppm	0.1753 ppm
Concentration RSD	13.9 %	0.5 %	1.0 %	0.6 %	0.6 %	0.7 %	1.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	29.7605 ppm	1.2848 ppm	0.0017 ppm	1.4043 ppm	0.1630 ppm	0.2987 ppm	0.0002 ppm
Concentration per Run	29.4980 ppm	1.2761 ppm	0.0010 ppm	1.3897 ppm	0.1616 ppm	0.2973 ppm	-0.0034 ppm
Concentration per Run	29.8311 ppm	1.2934 ppm	0.0017 ppm	1.4138 ppm	0.1631 ppm	0.2966 ppm	0.0032 ppm
Concentration per Run	29.9525 ppm	1.2849 ppm	0.0023 ppm	1.4094 ppm	0.1643 ppm	0.3023 ppm	0.0006 ppm
Concentration RSD	0.8 %	0.7 %	39.1 %	0.9 %	0.8 %	1.0 %	2,221.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0055 ppm	11.2937 ppm	0.0105 ppm	0.1188 ppm	3.5593 ppm	-0.0024 ppm	0.3625 ppm
Concentration per Run	0.0060 ppm	11.2100 ppm	0.0119 ppm	0.1177 ppm	3.5325 ppm	-0.0022 ppm	0.3607 ppm
Concentration per Run	0.0054 ppm	11.2474 ppm	0.0103 ppm	0.1196 ppm	3.5635 ppm	-0.0014 ppm	0.3606 ppm
Concentration per Run	0.0052 ppm	11.4236 ppm	0.0093 ppm	0.1191 ppm	3.5818 ppm	-0.0035 ppm	0.3662 ppm
Concentration RSD	7.2 %	1.0 %	12.5 %	0.8 %	0.7 %	44.9 %	0.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4725 ppm	101.0464 %	103.2105 %	96.7964 %	120.5167 %	124.2517 %	123.4613 %
Concentration per Run	0.4689 ppm	101.4753 %	102.9643 %	97.5653 %	121.2593 %	123.3146 %	124.2238 %
Concentration per Run	0.4703 ppm	101.2947 %	103.8138 %	96.8047 %	120.2900 %	125.3505 %	123.2723 %
Concentration per Run	0.4784 ppm	100.3690 %	102.8533 %	96.0193 %	120.0010 %	124.0900 %	122.8878 %
Concentration RSD	1.1 %	0.6 %	0.5 %	0.8 %	0.5 %	0.8 %	0.6 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: CCV
Analysis started at: 11/28/2025 5:40:32 PM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5027 ppm	0.4856 ppm	0.4752 ppm	0.4775 ppm	0.5008 ppm	0.5019 ppm	0.4856 ppm
Concentration per Run	0.5016 ppm	0.4823 ppm	0.4770 ppm	0.4768 ppm	0.4962 ppm	0.4990 ppm	0.4803 ppm
Concentration per Run	0.5021 ppm	0.4877 ppm	0.4765 ppm	0.4797 ppm	0.5043 ppm	0.5038 ppm	0.4855 ppm
Concentration per Run	0.5046 ppm	0.4867 ppm	0.4721 ppm	0.4761 ppm	0.5018 ppm	0.5029 ppm	0.4912 ppm
Recovery Percentage	100.549 %	97.111 %	95.040 %	95.509 %	100.152 %	100.381 %	97.127 %
Concentration RSD	0.3 %	0.6 %	0.6 %	0.4 %	0.8 %	0.5 %	1.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5095 ppm	0.5093 ppm	0.5131 ppm	0.5199 ppm	0.5001 ppm	5.2527 ppm	0.5359 ppm
Concentration per Run	0.5090 ppm	0.5083 ppm	0.5113 ppm	0.5194 ppm	0.4953 ppm	5.2141 ppm	0.5308 ppm
Concentration per Run	0.5106 ppm	0.5105 ppm	0.5133 ppm	0.5213 ppm	0.4997 ppm	5.2688 ppm	0.5404 ppm
Concentration per Run	0.5089 ppm	0.5089 ppm	0.5148 ppm	0.5191 ppm	0.5054 ppm	5.2751 ppm	0.5367 ppm
Recovery Percentage	101.900 %	101.850 %	102.626 %	103.989 %	100.028 %	105.054 %	107.190 %
Concentration RSD	0.2 %	0.2 %	0.3 %	0.2 %	1.0 %	0.6 %	0.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5041 ppm	0.5048 ppm	0.4820 ppm	10.2035 ppm	0.5105 ppm	0.4955 ppm	0.4995 ppm
Concentration per Run	0.5055 ppm	0.5001 ppm	0.4812 ppm	10.1269 ppm	0.5106 ppm	0.4953 ppm	0.5009 ppm
Concentration per Run	0.5057 ppm	0.5062 ppm	0.4814 ppm	10.2607 ppm	0.5109 ppm	0.4958 ppm	0.5008 ppm
Concentration per Run	0.5012 ppm	0.5081 ppm	0.4832 ppm	10.2231 ppm	0.5101 ppm	0.4954 ppm	0.4969 ppm
Recovery Percentage	100.828 %	100.958 %	96.393 %	102.035 %	102.102 %	99.099 %	99.905 %
Concentration RSD	0.5 %	0.8 %	0.2 %	0.7 %	0.1 %	0.1 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4689 ppm	5.3366 ppm	0.4847 ppm	0.4928 ppm	0.4961 ppm	0.4882 ppm	0.5114 ppm
Concentration per Run	0.4714 ppm	5.3222 ppm	0.4878 ppm	0.4890 ppm	0.4980 ppm	0.4896 ppm	0.5104 ppm
Concentration per Run	0.4678 ppm	5.3379 ppm	0.4846 ppm	0.4966 ppm	0.4963 ppm	0.4871 ppm	0.5119 ppm
Concentration per Run	0.4673 ppm	5.3496 ppm	0.4818 ppm	0.4928 ppm	0.4940 ppm	0.4880 ppm	0.5120 ppm
Recovery Percentage	93.772 %	101.649 %	96.946 %	98.561 %	99.219 %	97.642 %	102.290 %
Concentration RSD	0.5 %	0.3 %	0.6 %	0.8 %	0.4 %	0.3 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4975 ppm	99.1675 %	96.8723 %	98.8849 %	98.1504 %	95.0399 %	97.7209 %
Concentration per Run	0.4960 ppm	99.4639 %	97.6367 %	99.1589 %	98.2101 %	95.1436 %	98.0425 %
Concentration per Run	0.4984 ppm	99.0795 %	96.9210 %	98.5503 %	98.3996 %	95.5621 %	97.2925 %
Concentration per Run	0.4982 ppm	98.9593 %	96.0592 %	98.9455 %	97.8414 %	94.4140 %	97.8278 %
Recovery Percentage	99.502 %						
Concentration RSD	0.3 %	0.3 %	0.8 %	0.3 %	0.3 %	0.6 %	0.4 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: CCB
Analysis started at: 11/28/2025 5:42:43 PM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	0.0047 ppm	-0.0016 ppm	0.0015 ppm	0.0002 ppm	0.0000 ppm	-0.0031 ppm
Concentration per Run	-0.0004 ppm	0.0144 ppm	0.0004 ppm	0.0018 ppm	0.0001 ppm	0.0000 ppm	-0.0063 ppm
Concentration per Run	0.0006 ppm	-0.0023 ppm	-0.0008 ppm	0.0012 ppm	0.0002 ppm	0.0000 ppm	-0.0015 ppm
Concentration per Run	0.0003 ppm	0.0020 ppm	-0.0044 ppm	0.0015 ppm	0.0002 ppm	-0.0001 ppm	-0.0014 ppm
Recovery Percentage	2.217 %	4.691 %	-32.079 %	4.957 %	1.735 %	-0.357 %	-3.073 %
Concentration RSD	344.6 %	185.0 %	158.0 %	18.5 %	31.0 %	259.7 %	91.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0001 ppm	-0.0002 ppm	0.0022 ppm	-0.0109 ppm	0.0019 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	0.0000 ppm	-0.0004 ppm	0.0022 ppm	-0.0085 ppm	0.0020 ppm
Concentration per Run	0.0000 ppm	0.0004 ppm	0.0001 ppm	-0.0002 ppm	0.0032 ppm	-0.0214 ppm	0.0017 ppm
Concentration per Run	0.0001 ppm	-0.0003 ppm	0.0000 ppm	-0.0001 ppm	0.0013 ppm	-0.0029 ppm	0.0019 ppm
Recovery Percentage	0.719 %	0.092 %	0.574 %	-2.306 %	4.478 %	-0.438 %	37.183 %
Concentration RSD	160.6 %	1,976.2 %	93.8 %	71.0 %	43.6 %	86.8 %	9.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0012 ppm	0.0001 ppm	0.0002 ppm	0.0020 ppm	-0.0010 ppm	-0.0008 ppm	0.0053 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0011 ppm	-0.0008 ppm	-0.0009 ppm	0.0048 ppm
Concentration per Run	-0.0007 ppm	0.0000 ppm	0.0002 ppm	0.0052 ppm	-0.0014 ppm	-0.0004 ppm	0.0068 ppm
Concentration per Run	-0.0031 ppm	0.0001 ppm	0.0001 ppm	-0.0003 ppm	-0.0008 ppm	-0.0010 ppm	0.0042 ppm
Recovery Percentage	-1.248 %	0.502 %	0.311 %	0.100 %	-3.859 %	-7.708 %	10.521 %
Concentration RSD	131.4 %	189.6 %	44.3 %	142.6 %	35.3 %	41.8 %	26.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0027 ppm	0.0039 ppm	0.0007 ppm	0.0001 ppm	-0.0001 ppm	0.0007 ppm	-0.0001 ppm
Concentration per Run	0.0023 ppm	0.0037 ppm	0.0010 ppm	0.0001 ppm	-0.0001 ppm	-0.0001 ppm	0.0000 ppm
Concentration per Run	0.0040 ppm	0.0057 ppm	0.0007 ppm	0.0001 ppm	-0.0008 ppm	0.0005 ppm	-0.0001 ppm
Concentration per Run	0.0017 ppm	0.0024 ppm	0.0003 ppm	0.0001 ppm	0.0004 ppm	0.0015 ppm	-0.0002 ppm
Recovery Percentage	26.734 %	0.788 %	1.350 %	0.860 %	-1.493 %	3.258 %	-0.889 %
Concentration RSD	44.5 %	42.8 %	53.3 %	21.2 %	418.1 %	125.4 %	67.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0001 ppm	96.7798 %	94.3799 %	97.4738 %	97.9952 %	94.6815 %	97.3233 %
Concentration per Run	0.0001 ppm	97.2287 %	94.0609 %	96.9000 %	98.8561 %	94.8914 %	96.7859 %
Concentration per Run	0.0002 ppm	96.5308 %	94.3215 %	98.0749 %	97.7968 %	94.2855 %	97.6903 %
Concentration per Run	0.0001 ppm	96.5800 %	94.7574 %	97.4466 %	97.3327 %	94.8676 %	97.4938 %
Recovery Percentage	2.851 %						
Concentration RSD	25.5 %	0.4 %	0.4 %	0.6 %	0.8 %	0.4 %	0.5 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2145172-1 WG2145172
Analysis started at: 11/28/2025 5:48:44 PM
Comment <Comment>
Rack Number 3
Vial Numbers 6

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	0.0106 ppm	0.0001 ppm	0.0007 ppm	0.0001 ppm	0.0000 ppm	0.0437 ppm
Concentration per Run	0.0003 ppm	0.0127 ppm	-0.0027 ppm	-0.0009 ppm	0.0001 ppm	0.0000 ppm	0.0480 ppm
Concentration per Run	0.0001 ppm	0.0066 ppm	0.0016 ppm	0.0026 ppm	0.0000 ppm	0.0000 ppm	0.0413 ppm
Concentration per Run	0.0002 ppm	0.0124 ppm	0.0013 ppm	0.0006 ppm	0.0003 ppm	0.0000 ppm	0.0416 ppm
Recovery Percentage	3.132 %	10.573 %	1.154 %	2.447 %	1.407 %	-0.237 %	43.660 %
Concentration RSD	49.0 %	32.5 %	4,081.0 %	239.0 %	104.8 %	345.2 %	8.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0013 ppm	0.0000 ppm	**0.0604 ppm**	-0.0179 ppm	0.0018 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	0.0011 ppm	0.0000 ppm	0.0611 ppm	-0.0333 ppm	0.0013 ppm
Concentration per Run	-0.0001 ppm	-0.0001 ppm	0.0014 ppm	-0.0001 ppm	0.0600 ppm	0.0010 ppm	0.0028 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	0.0014 ppm	0.0001 ppm	0.0600 ppm	-0.0215 ppm	0.0014 ppm
Recovery Percentage	-0.465 %	-0.127 %	13.225 %	-0.131 %	120.742 %	-0.718 %	36.101 %
Concentration RSD	411.1 %	552.9 %	12.8 %	577.9 %	**1.0 %**	97.2 %	46.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0060 ppm	0.0017 ppm	-0.0003 ppm	0.0099 ppm	-0.0005 ppm	-0.0012 ppm	-0.0004 ppm
Concentration per Run	0.0060 ppm	0.0015 ppm	-0.0002 ppm	0.0056 ppm	-0.0014 ppm	-0.0017 ppm	-0.0005 ppm
Concentration per Run	0.0063 ppm	0.0017 ppm	-0.0004 ppm	0.0075 ppm	-0.0001 ppm	-0.0006 ppm	-0.0013 ppm
Concentration per Run	0.0055 ppm	0.0019 ppm	-0.0002 ppm	0.0167 ppm	0.0001 ppm	-0.0011 ppm	0.0006 ppm
Recovery Percentage	5.955 %	16.889 %	-0.503 %	0.497 %	-1.872 %	-11.591 %	-0.775 %
Concentration RSD	7.3 %	9.8 %	50.9 %	59.9 %	175.3 %	47.9 %	251.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0034 ppm	0.0224 ppm	0.0084 ppm	0.0002 ppm	0.0001 ppm	0.0002 ppm	0.0000 ppm
Concentration per Run	0.0023 ppm	0.0205 ppm	0.0073 ppm	0.0002 ppm	-0.0001 ppm	0.0013 ppm	0.0002 ppm
Concentration per Run	0.0034 ppm	0.0258 ppm	0.0080 ppm	0.0002 ppm	0.0002 ppm	-0.0003 ppm	0.0000 ppm
Concentration per Run	0.0046 ppm	0.0209 ppm	0.0097 ppm	0.0002 ppm	0.0000 ppm	-0.0004 ppm	-0.0001 ppm
Recovery Percentage	34.274 %	4.475 %	16.701 %	1.836 %	0.557 %	0.964 %	0.356 %
Concentration RSD	32.8 %	13.1 %	15.1 %	6.0 %	245.6 %	518.0 %	476.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	**0.0148 ppm**	98.0420 %	95.9473 %	97.8144 %	98.7971 %	95.2426 %	98.3468 %
Concentration per Run	0.0148 ppm	97.9066 %	95.3191 %	97.4387 %	98.3837 %	94.6834 %	98.2703 %
Concentration per Run	0.0151 ppm	98.4849 %	96.2352 %	97.9292 %	99.4104 %	95.8034 %	98.4282 %
Concentration per Run	0.0146 ppm	97.7346 %	96.2877 %	98.0753 %	98.5974 %	95.2410 %	98.3421 %
Recovery Percentage	296.634 %						
Concentration RSD	**1.8 %**	0.4 %	0.6 %	0.3 %	0.5 %	0.6 %	0.1 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2573952-05d2 WG2145172
Analysis started at: 11/28/2025 5:51:03 PM
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Rack Number 3
Vial Numbers 16

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0003 ppm	116.6057 ppm	0.0576 ppm	0.0352 ppm	0.9164 ppm	0.0073 ppm	14.1581 ppm
Concentration per Run	0.0003 ppm	116.3251 ppm	0.0571 ppm	0.0350 ppm	0.9177 ppm	0.0073 ppm	14.1407 ppm
Concentration per Run	0.0003 ppm	116.8747 ppm	0.0592 ppm	0.0342 ppm	0.9147 ppm	0.0073 ppm	14.1770 ppm
Concentration per Run	0.0003 ppm	116.6175 ppm	0.0564 ppm	0.0363 ppm	0.9167 ppm	0.0073 ppm	14.1566 ppm
Concentration RSD	7.7 %	0.2 %	2.5 %	3.1 %	0.2 %	0.4 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0010 ppm	0.0744 ppm	0.3091 ppm	0.0839 ppm	171.2103 ppm	12.0118 ppm	0.1914 ppm
Concentration per Run	0.0012 ppm	0.0734 ppm	0.3064 ppm	0.0831 ppm	171.3905 ppm	12.0380 ppm	0.1931 ppm
Concentration per Run	0.0009 ppm	0.0743 ppm	0.3079 ppm	0.0833 ppm	171.1087 ppm	12.0007 ppm	0.1899 ppm
Concentration per Run	0.0009 ppm	0.0753 ppm	0.3130 ppm	0.0854 ppm	171.1315 ppm	11.9968 ppm	0.1912 ppm
Concentration RSD	19.1 %	1.3 %	1.1 %	1.5 %	0.1 %	0.2 %	0.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	37.8274 ppm	1.9363 ppm	0.0006 ppm	1.4162 ppm	0.1825 ppm	0.4811 ppm	0.0002 ppm
Concentration per Run	37.6336 ppm	1.9410 ppm	0.0008 ppm	1.4197 ppm	0.1796 ppm	0.4770 ppm	0.0010 ppm
Concentration per Run	37.7595 ppm	1.9432 ppm	0.0006 ppm	1.4142 ppm	0.1819 ppm	0.4819 ppm	-0.0013 ppm
Concentration per Run	38.0892 ppm	1.9245 ppm	0.0004 ppm	1.4148 ppm	0.1860 ppm	0.4845 ppm	0.0008 ppm
Concentration RSD	0.6 %	0.5 %	30.7 %	0.2 %	1.8 %	0.8 %	691.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0045 ppm	11.4994 ppm	0.0096 ppm	0.1234 ppm	3.8678 ppm	-0.0018 ppm	0.3075 ppm
Concentration per Run	0.0008 ppm	11.3792 ppm	0.0099 ppm	0.1232 ppm	3.8424 ppm	-0.0019 ppm	0.3038 ppm
Concentration per Run	0.0101 ppm	11.4594 ppm	0.0093 ppm	0.1234 ppm	3.8654 ppm	-0.0014 ppm	0.3066 ppm
Concentration per Run	0.0028 ppm	11.6595 ppm	0.0097 ppm	0.1235 ppm	3.8954 ppm	-0.0021 ppm	0.3122 ppm
Concentration RSD	107.5 %	1.3 %	2.8 %	0.1 %	0.7 %	20.9 %	1.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4941 ppm	101.6099 %	102.2971 %	95.9754 %	119.0253 %	121.7622 %	119.9171 %
Concentration per Run	0.4895 ppm	101.8509 %	101.3813 %	96.1143 %	119.1137 %	120.6250 %	119.8379 %
Concentration per Run	0.4915 ppm	102.0021 %	102.2449 %	96.1287 %	119.1670 %	122.1247 %	120.3450 %
Concentration per Run	0.5012 ppm	100.9766 %	103.2650 %	95.6832 %	118.7952 %	122.5370 %	119.5684 %
Concentration RSD	1.3 %	0.5 %	0.9 %	0.3 %	0.2 %	0.8 %	0.3 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2573952-13d2 WG2145172
Analysis started at: 11/28/2025 5:53:13 PM
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Rack Number 3
Vial Numbers 17

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0158 ppm	112.2608 ppm	0.1774 ppm	0.0325 ppm	1.3080 ppm	0.0113 ppm	15.8674 ppm
Concentration per Run	0.0160 ppm	111.4792 ppm	0.1745 ppm	0.0327 ppm	1.2958 ppm	0.0112 ppm	15.7910 ppm
Concentration per Run	0.0163 ppm	112.5350 ppm	0.1806 ppm	0.0317 ppm	1.3173 ppm	0.0114 ppm	15.9014 ppm
Concentration per Run	0.0152 ppm	112.7681 ppm	0.1772 ppm	0.0332 ppm	1.3109 ppm	0.0113 ppm	15.9098 ppm
Concentration RSD	3.6 %	0.6 %	1.7 %	2.4 %	0.8 %	0.7 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0496 ppm	0.1207 ppm	0.9447 ppm	1.1137 ppm	237.8465 ppm	9.8477 ppm	0.1788 ppm
Concentration per Run	0.0492 ppm	0.1210 ppm	0.9445 ppm	1.1121 ppm	235.5621 ppm	9.7588 ppm	0.1774 ppm
Concentration per Run	0.0498 ppm	0.1199 ppm	0.9431 ppm	1.1082 ppm	239.5035 ppm	9.8972 ppm	0.1800 ppm
Concentration per Run	0.0498 ppm	0.1212 ppm	0.9464 ppm	1.1209 ppm	238.4740 ppm	9.8871 ppm	0.1790 ppm
Concentration RSD	0.7 %	0.6 %	0.2 %	0.6 %	0.9 %	0.8 %	0.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	29.3519 ppm	3.0002 ppm	0.0077 ppm	1.2831 ppm	0.2782 ppm	8.7420 ppm	0.0263 ppm
Concentration per Run	29.2275 ppm	2.9866 ppm	0.0079 ppm	1.2750 ppm	0.2760 ppm	8.6992 ppm	0.0304 ppm
Concentration per Run	29.3651 ppm	3.0056 ppm	0.0079 ppm	1.2803 ppm	0.2795 ppm	8.7559 ppm	0.0236 ppm
Concentration per Run	29.4629 ppm	3.0083 ppm	0.0073 ppm	1.2940 ppm	0.2790 ppm	8.7708 ppm	0.0251 ppm
Concentration RSD	0.4 %	0.4 %	4.3 %	0.8 %	0.7 %	0.4 %	13.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0195 ppm	10.5247 ppm	0.0974 ppm	0.1515 ppm	2.9494 ppm	-0.0006 ppm	0.3213 ppm
Concentration per Run	0.0172 ppm	10.4889 ppm	0.0984 ppm	0.1501 ppm	2.9363 ppm	0.0017 ppm	0.3215 ppm
Concentration per Run	0.0180 ppm	10.5428 ppm	0.0966 ppm	0.1528 ppm	2.9511 ppm	-0.0027 ppm	0.3204 ppm
Concentration per Run	0.0234 ppm	10.5424 ppm	0.0972 ppm	0.1514 ppm	2.9607 ppm	-0.0009 ppm	0.3220 ppm
Concentration RSD	17.3 %	0.3 %	0.9 %	0.9 %	0.4 %	359.0 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	6.0157 ppm	100.8105 %	101.9285 %	94.5879 %	120.5511 %	122.9707 %	121.1302 %
Concentration per Run	6.0052 ppm	100.6238 %	102.3531 %	95.1253 %	120.4971 %	123.0233 %	121.6879 %
Concentration per Run	6.0037 ppm	100.9500 %	102.3712 %	93.9407 %	120.4784 %	123.6875 %	120.2969 %
Concentration per Run	6.0382 ppm	100.8578 %	101.0613 %	94.6977 %	120.6778 %	122.2012 %	121.4058 %
Concentration RSD	0.3 %	0.2 %	0.7 %	0.6 %	0.1 %	0.6 %	0.6 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2573984-01d2 WG2145172
Analysis started at: 11/28/2025 5:55:24 PM
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Rack Number 3
Vial Numbers 18

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0005 ppm	86.1964 ppm	0.0353 ppm	0.0149 ppm	1.1906 ppm	0.0049 ppm	30.4671 ppm
Concentration per Run	0.0012 ppm	86.4640 ppm	0.0352 ppm	0.0156 ppm	1.1928 ppm	0.0049 ppm	30.5792 ppm
Concentration per Run	-0.0001 ppm	86.1002 ppm	0.0341 ppm	0.0135 ppm	1.1908 ppm	0.0050 ppm	30.4250 ppm
Concentration per Run	0.0006 ppm	86.0249 ppm	0.0367 ppm	0.0155 ppm	1.1884 ppm	0.0049 ppm	30.3971 ppm
Concentration RSD	122.8 %	0.3 %	3.7 %	8.1 %	0.2 %	0.7 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0031 ppm	0.0705 ppm	0.1997 ppm	0.1244 ppm	168.1640 ppm	6.7653 ppm	0.1477 ppm
Concentration per Run	0.0033 ppm	0.0693 ppm	0.1943 ppm	0.1230 ppm	168.8050 ppm	6.7751 ppm	0.1454 ppm
Concentration per Run	0.0029 ppm	0.0722 ppm	0.2049 ppm	0.1252 ppm	167.8004 ppm	6.7750 ppm	0.1523 ppm
Concentration per Run	0.0032 ppm	0.0699 ppm	0.2000 ppm	0.1251 ppm	167.8865 ppm	6.7458 ppm	0.1454 ppm
Concentration RSD	7.3 %	2.2 %	2.6 %	1.0 %	0.3 %	0.2 %	2.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	35.8376 ppm	1.2244 ppm	-0.0001 ppm	1.6901 ppm	0.1407 ppm	0.1058 ppm	0.0016 ppm
Concentration per Run	35.5810 ppm	1.2263 ppm	-0.0003 ppm	1.6955 ppm	0.1389 ppm	0.1053 ppm	-0.0019 ppm
Concentration per Run	35.9269 ppm	1.2244 ppm	-0.0005 ppm	1.6819 ppm	0.1430 ppm	0.1060 ppm	0.0011 ppm
Concentration per Run	36.0048 ppm	1.2226 ppm	0.0005 ppm	1.6929 ppm	0.1402 ppm	0.1060 ppm	0.0055 ppm
Concentration RSD	0.6 %	0.2 %	667.3 %	0.4 %	1.5 %	0.3 %	237.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0018 ppm	10.2684 ppm	0.0111 ppm	0.1770 ppm	2.6423 ppm	-0.0014 ppm	0.2699 ppm
Concentration per Run	0.0043 ppm	10.0990 ppm	0.0119 ppm	0.1774 ppm	2.6200 ppm	-0.0035 ppm	0.2637 ppm
Concentration per Run	0.0012 ppm	10.4225 ppm	0.0104 ppm	0.1771 ppm	2.6504 ppm	0.0005 ppm	0.2760 ppm
Concentration per Run	-0.0001 ppm	10.2836 ppm	0.0110 ppm	0.1766 ppm	2.6564 ppm	-0.0011 ppm	0.2700 ppm
Concentration RSD	128.0 %	1.6 %	7.1 %	0.2 %	0.7 %	144.9 %	2.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.1959 ppm	99.7573 %	99.5906 %	93.0664 %	115.8869 %	116.5836 %	116.1786 %
Concentration per Run	1.1699 ppm	100.3799 %	99.3980 %	93.3170 %	115.5912 %	116.8006 %	116.0374 %
Concentration per Run	1.2206 ppm	99.0703 %	99.1609 %	92.6240 %	115.7245 %	115.5987 %	115.9298 %
Concentration per Run	1.1973 ppm	99.8218 %	100.2128 %	93.2582 %	116.3451 %	117.3515 %	116.5686 %
Concentration RSD	2.1 %	0.7 %	0.6 %	0.4 %	0.3 %	0.8 %	0.3 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2573984-02d2 WG2145172
Analysis started at: 11/28/2025 5:57:35 PM
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Rack Number 3
Vial Numbers 19

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	84.4278 ppm	0.0482 ppm	0.0115 ppm	3.3001 ppm	0.0048 ppm	27.7979 ppm
Concentration per Run	0.0001 ppm	84.2513 ppm	0.0489 ppm	0.0114 ppm	3.2877 ppm	0.0048 ppm	27.6501 ppm
Concentration per Run	0.0005 ppm	84.7696 ppm	0.0481 ppm	0.0103 ppm	3.3123 ppm	0.0048 ppm	27.9321 ppm
Concentration per Run	-0.0004 ppm	84.2625 ppm	0.0477 ppm	0.0129 ppm	3.3002 ppm	0.0049 ppm	27.8115 ppm
Concentration RSD	636.4 %	0.4 %	1.3 %	11.3 %	0.4 %	0.3 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0007 ppm	0.0643 ppm	0.1925 ppm	0.1242 ppm	145.0669 ppm	4.6191 ppm	0.1473 ppm
Concentration per Run	0.0008 ppm	0.0638 ppm	0.1903 ppm	0.1244 ppm	144.1776 ppm	4.5879 ppm	0.1491 ppm
Concentration per Run	0.0007 ppm	0.0653 ppm	0.1923 ppm	0.1240 ppm	145.8986 ppm	4.6316 ppm	0.1482 ppm
Concentration per Run	0.0008 ppm	0.0638 ppm	0.1950 ppm	0.1244 ppm	145.1243 ppm	4.6379 ppm	0.1446 ppm
Concentration RSD	9.2 %	1.4 %	1.2 %	0.2 %	0.6 %	0.6 %	1.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	32.3991 ppm	1.0607 ppm	-0.0009 ppm	4.5368 ppm	0.1358 ppm	0.0889 ppm	0.0003 ppm
Concentration per Run	32.2354 ppm	1.0561 ppm	-0.0013 ppm	4.5249 ppm	0.1351 ppm	0.0870 ppm	-0.0020 ppm
Concentration per Run	32.4412 ppm	1.0634 ppm	-0.0007 ppm	4.5599 ppm	0.1358 ppm	0.0891 ppm	0.0015 ppm
Concentration per Run	32.5206 ppm	1.0626 ppm	-0.0007 ppm	4.5255 ppm	0.1365 ppm	0.0906 ppm	0.0012 ppm
Concentration RSD	0.5 %	0.4 %	34.6 %	0.4 %	0.5 %	2.0 %	709.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0004 ppm	9.2894 ppm	0.0091 ppm	0.1506 ppm	2.8482 ppm	-0.0017 ppm	0.1721 ppm
Concentration per Run	0.0008 ppm	9.2245 ppm	0.0091 ppm	0.1503 ppm	2.8327 ppm	-0.0037 ppm	0.1702 ppm
Concentration per Run	-0.0007 ppm	9.3099 ppm	0.0088 ppm	0.1509 ppm	2.8550 ppm	-0.0007 ppm	0.1728 ppm
Concentration per Run	-0.0012 ppm	9.3337 ppm	0.0094 ppm	0.1506 ppm	2.8569 ppm	-0.0008 ppm	0.1734 ppm
Concentration RSD	266.7 %	0.6 %	3.4 %	0.2 %	0.5 %	99.7 %	1.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4275 ppm	100.0762 %	99.6310 %	94.5109 %	120.3154 %	120.5993 %	120.7376 %
Concentration per Run	0.4229 ppm	99.8268 %	100.1439 %	94.4080 %	119.9758 %	121.1298 %	120.6278 %
Concentration per Run	0.4283 ppm	99.9014 %	98.6800 %	93.8937 %	120.1277 %	120.2713 %	119.6584 %
Concentration per Run	0.4313 ppm	100.5003 %	100.0691 %	95.2311 %	120.8427 %	120.3967 %	121.9268 %
Concentration RSD	1.0 %	0.4 %	0.8 %	0.7 %	0.4 %	0.4 %	0.9 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2573984-03d2 WG2145172
Analysis started at: 11/28/2025 5:59:45 PM
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Rack Number 3
Vial Numbers 20

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0009 ppm	55.6405 ppm	0.0567 ppm	0.0139 ppm	1.1451 ppm	0.0041 ppm	16.8861 ppm
Concentration per Run	0.0004 ppm	55.5349 ppm	0.0555 ppm	0.0138 ppm	1.1401 ppm	0.0042 ppm	16.8166 ppm
Concentration per Run	0.0007 ppm	55.2710 ppm	0.0569 ppm	0.0140 ppm	1.1394 ppm	0.0040 ppm	16.8436 ppm
Concentration per Run	0.0017 ppm	56.1158 ppm	0.0576 ppm	0.0140 ppm	1.1558 ppm	0.0041 ppm	16.9982 ppm
Concentration RSD	75.6 %	0.8 %	1.9 %	1.1 %	0.8 %	1.8 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0032 ppm	0.0378 ppm	0.1296 ppm	0.1180 ppm	169.2316 ppm	3.3767 ppm	0.0643 ppm
Concentration per Run	0.0032 ppm	0.0381 ppm	0.1298 ppm	0.1165 ppm	168.9614 ppm	3.3784 ppm	0.0629 ppm
Concentration per Run	0.0031 ppm	0.0377 ppm	0.1294 ppm	0.1181 ppm	167.8764 ppm	3.3653 ppm	0.0644 ppm
Concentration per Run	0.0032 ppm	0.0375 ppm	0.1297 ppm	0.1195 ppm	170.8569 ppm	3.3863 ppm	0.0655 ppm
Concentration RSD	1.3 %	0.8 %	0.2 %	1.3 %	0.9 %	0.3 %	2.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	13.8623 ppm	1.5964 ppm	0.0019 ppm	1.6089 ppm	0.0772 ppm	0.2643 ppm	0.0009 ppm
Concentration per Run	13.7568 ppm	1.5846 ppm	0.0019 ppm	1.5975 ppm	0.0768 ppm	0.2634 ppm	-0.0013 ppm
Concentration per Run	13.8547 ppm	1.5949 ppm	0.0021 ppm	1.6019 ppm	0.0773 ppm	0.2651 ppm	0.0047 ppm
Concentration per Run	13.9754 ppm	1.6097 ppm	0.0017 ppm	1.6274 ppm	0.0775 ppm	0.2645 ppm	-0.0005 ppm
Concentration RSD	0.8 %	0.8 %	10.3 %	1.0 %	0.5 %	0.3 %	350.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0010 ppm	11.0113 ppm	0.0144 ppm	0.1181 ppm	1.1237 ppm	-0.0015 ppm	0.2001 ppm
Concentration per Run	0.0008 ppm	10.9599 ppm	0.0147 ppm	0.1180 ppm	1.1141 ppm	0.0001 ppm	0.1988 ppm
Concentration per Run	-0.0002 ppm	10.9930 ppm	0.0138 ppm	0.1173 ppm	1.1291 ppm	-0.0025 ppm	0.1999 ppm
Concentration per Run	0.0026 ppm	11.0810 ppm	0.0147 ppm	0.1189 ppm	1.1279 ppm	-0.0021 ppm	0.2016 ppm
Concentration RSD	136.3 %	0.6 %	3.7 %	0.6 %	0.7 %	96.2 %	0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.8867 ppm	99.0945 %	99.1193 %	95.0990 %	112.9583 %	113.1282 %	114.0508 %
Concentration per Run	0.8835 ppm	99.2820 %	98.9793 %	95.4150 %	112.8394 %	113.4189 %	114.2300 %
Concentration per Run	0.8844 ppm	99.1901 %	99.3578 %	94.8698 %	113.1548 %	112.6264 %	113.8055 %
Concentration per Run	0.8921 ppm	98.8113 %	99.0207 %	95.0121 %	112.8808 %	113.3393 %	114.1169 %
Concentration RSD	0.5 %	0.3 %	0.2 %	0.3 %	0.2 %	0.4 %	0.2 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2573984-04d2 WG2145172
Analysis started at: 11/28/2025 6:01:56 PM
Comment <Comment>
Rack Number 3
Vial Numbers 21

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0009 ppm	40.1639 ppm	0.0087 ppm	0.0152 ppm	0.3281 ppm	0.0032 ppm	15.0949 ppm
Concentration per Run	0.0008 ppm	40.0911 ppm	0.0090 ppm	0.0151 ppm	0.3269 ppm	0.0032 ppm	15.0803 ppm
Concentration per Run	0.0006 ppm	40.2847 ppm	0.0088 ppm	0.0151 ppm	0.3289 ppm	0.0032 ppm	15.1186 ppm
Concentration per Run	0.0012 ppm	40.1160 ppm	0.0082 ppm	0.0155 ppm	0.3284 ppm	0.0032 ppm	15.0857 ppm
Concentration RSD	35.1 %	0.3 %	4.9 %	1.5 %	0.3 %	0.6 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0006 ppm	0.0398 ppm	0.0655 ppm	0.0306 ppm	93.3126 ppm	4.0294 ppm	0.0588 ppm
Concentration per Run	0.0007 ppm	0.0397 ppm	0.0654 ppm	0.0304 ppm	93.1199 ppm	4.0354 ppm	0.0607 ppm
Concentration per Run	0.0007 ppm	0.0393 ppm	0.0658 ppm	0.0312 ppm	93.7280 ppm	4.0518 ppm	0.0602 ppm
Concentration per Run	0.0006 ppm	0.0402 ppm	0.0653 ppm	0.0302 ppm	93.0900 ppm	4.0009 ppm	0.0557 ppm
Concentration RSD	7.5 %	1.1 %	0.4 %	1.6 %	0.4 %	0.6 %	4.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	12.4478 ppm	2.7280 ppm	-0.0004 ppm	0.4768 ppm	0.0800 ppm	0.0543 ppm	0.0019 ppm
Concentration per Run	12.4471 ppm	2.7277 ppm	-0.0007 ppm	0.4805 ppm	0.0804 ppm	0.0551 ppm	-0.0014 ppm
Concentration per Run	12.5010 ppm	2.7380 ppm	-0.0005 ppm	0.4735 ppm	0.0798 ppm	0.0540 ppm	0.0029 ppm
Concentration per Run	12.3954 ppm	2.7183 ppm	-0.0001 ppm	0.4763 ppm	0.0798 ppm	0.0537 ppm	0.0041 ppm
Concentration RSD	0.4 %	0.4 %	69.5 %	0.7 %	0.4 %	1.4 %	154.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0002 ppm	6.3276 ppm	0.0062 ppm	0.0764 ppm	0.7461 ppm	-0.0014 ppm	0.0789 ppm
Concentration per Run	-0.0004 ppm	6.3269 ppm	0.0063 ppm	0.0763 ppm	0.7448 ppm	-0.0022 ppm	0.0787 ppm
Concentration per Run	0.0020 ppm	6.3103 ppm	0.0076 ppm	0.0768 ppm	0.7486 ppm	0.0000 ppm	0.0790 ppm
Concentration per Run	-0.0021 ppm	6.3458 ppm	0.0048 ppm	0.0761 ppm	0.7449 ppm	-0.0020 ppm	0.0789 ppm
Concentration RSD	1,263.7 %	0.3 %	22.8 %	0.4 %	0.3 %	89.0 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1609 ppm	100.3149 %	98.4945 %	94.8143 %	107.0155 %	104.9599 %	106.2162 %
Concentration per Run	0.1602 ppm	100.1355 %	98.2519 %	94.9495 %	106.5283 %	104.7224 %	106.5780 %
Concentration per Run	0.1601 ppm	100.7007 %	98.8494 %	94.7903 %	107.4461 %	105.6842 %	105.9841 %
Concentration per Run	0.1624 ppm	100.1085 %	98.3821 %	94.7031 %	107.0721 %	104.4732 %	106.0864 %
Concentration RSD	0.8 %	0.3 %	0.3 %	0.1 %	0.4 %	0.6 %	0.3 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2573984-05d2 WG2145172
Analysis started at: 11/28/2025 6:04:06 PM
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Rack Number 3
Vial Numbers 22

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0015 ppm	100.4510 ppm	0.0369 ppm	0.0178 ppm	0.8162 ppm	0.0039 ppm	31.2789 ppm
Concentration per Run	0.0012 ppm	100.3147 ppm	0.0357 ppm	0.0162 ppm	0.8145 ppm	0.0039 ppm	31.2732 ppm
Concentration per Run	0.0018 ppm	100.4379 ppm	0.0364 ppm	0.0187 ppm	0.8173 ppm	0.0040 ppm	31.3001 ppm
Concentration per Run	0.0014 ppm	100.6003 ppm	0.0388 ppm	0.0185 ppm	0.8168 ppm	0.0039 ppm	31.2633 ppm
Concentration RSD	20.3 %	0.1 %	4.3 %	7.7 %	0.2 %	1.4 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0043 ppm	0.0859 ppm	0.2410 ppm	0.3737 ppm	184.7573 ppm	4.1651 ppm	0.0955 ppm
Concentration per Run	0.0043 ppm	0.0852 ppm	0.2383 ppm	0.3708 ppm	184.5305 ppm	4.1680 ppm	0.0977 ppm
Concentration per Run	0.0042 ppm	0.0860 ppm	0.2411 ppm	0.3735 ppm	185.1509 ppm	4.1537 ppm	0.0937 ppm
Concentration per Run	0.0045 ppm	0.0865 ppm	0.2435 ppm	0.3768 ppm	184.5905 ppm	4.1735 ppm	0.0953 ppm
Concentration RSD	3.2 %	0.8 %	1.1 %	0.8 %	0.2 %	0.2 %	2.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	42.2580 ppm	3.4561 ppm	0.0022 ppm	5.3831 ppm	0.1801 ppm	0.5698 ppm	0.0050 ppm
Concentration per Run	42.0813 ppm	3.4471 ppm	0.0023 ppm	5.3778 ppm	0.1775 ppm	0.5666 ppm	0.0060 ppm
Concentration per Run	42.0551 ppm	3.4582 ppm	0.0020 ppm	5.3751 ppm	0.1812 ppm	0.5710 ppm	0.0025 ppm
Concentration per Run	42.6376 ppm	3.4629 ppm	0.0024 ppm	5.3964 ppm	0.1816 ppm	0.5719 ppm	0.0064 ppm
Concentration RSD	0.8 %	0.2 %	8.9 %	0.2 %	1.3 %	0.5 %	43.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0023 ppm	6.4911 ppm	0.0268 ppm	0.1708 ppm	3.2726 ppm	-0.0008 ppm	0.3128 ppm
Concentration per Run	0.0006 ppm	6.4318 ppm	0.0254 ppm	0.1709 ppm	3.2561 ppm	-0.0002 ppm	0.3096 ppm
Concentration per Run	0.0022 ppm	6.4838 ppm	0.0279 ppm	0.1707 ppm	3.2638 ppm	-0.0005 ppm	0.3132 ppm
Concentration per Run	0.0040 ppm	6.5576 ppm	0.0271 ppm	0.1708 ppm	3.2978 ppm	-0.0016 ppm	0.3156 ppm
Concentration RSD	73.3 %	1.0 %	4.7 %	0.1 %	0.7 %	94.1 %	1.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.4689 ppm	97.8093 %	98.6509 %	92.6114 %	109.4872 %	110.8015 %	110.3103 %
Concentration per Run	1.4522 ppm	97.8040 %	97.8800 %	92.3610 %	109.3289 %	110.0424 %	109.5320 %
Concentration per Run	1.4662 ppm	98.3160 %	98.2661 %	92.5582 %	110.0862 %	110.1837 %	110.7057 %
Concentration per Run	1.4882 ppm	97.3080 %	99.8066 %	92.9149 %	109.0466 %	112.1782 %	110.6932 %
Concentration RSD	1.2 %	0.5 %	1.0 %	0.3 %	0.5 %	1.1 %	0.6 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2573984-06d2 WG2145172
Analysis started at: 11/28/2025 6:06:17 PM
Comment <Comment>
Rack Number 3
Vial Numbers 23

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0010 ppm	71.6952 ppm	0.0382 ppm	0.0122 ppm	0.6442 ppm	0.0026 ppm	28.3431 ppm
Concentration per Run	0.0016 ppm	71.7883 ppm	0.0375 ppm	0.0113 ppm	0.6424 ppm	0.0026 ppm	28.3296 ppm
Concentration per Run	0.0010 ppm	71.2698 ppm	0.0375 ppm	0.0128 ppm	0.6422 ppm	0.0026 ppm	28.2583 ppm
Concentration per Run	0.0005 ppm	72.0276 ppm	0.0394 ppm	0.0125 ppm	0.6480 ppm	0.0026 ppm	28.4414 ppm
Concentration RSD	51.2 %	0.5 %	2.9 %	6.7 %	0.5 %	0.6 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0033 ppm	0.0743 ppm	0.1636 ppm	0.3127 ppm	137.9253 ppm	4.5806 ppm	0.0715 ppm
Concentration per Run	0.0034 ppm	0.0737 ppm	0.1635 ppm	0.3118 ppm	137.7946 ppm	4.6048 ppm	0.0689 ppm
Concentration per Run	0.0033 ppm	0.0748 ppm	0.1622 ppm	0.3110 ppm	137.6339 ppm	4.5516 ppm	0.0720 ppm
Concentration per Run	0.0032 ppm	0.0745 ppm	0.1651 ppm	0.3154 ppm	138.3474 ppm	4.5854 ppm	0.0737 ppm
Concentration RSD	2.8 %	0.8 %	0.9 %	0.7 %	0.3 %	0.6 %	3.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	41.7072 ppm	2.4217 ppm	0.0020 ppm	3.5363 ppm	0.1726 ppm	0.5798 ppm	0.0028 ppm
Concentration per Run	41.6195 ppm	2.4203 ppm	0.0027 ppm	3.5352 ppm	0.1724 ppm	0.5789 ppm	0.0056 ppm
Concentration per Run	41.6796 ppm	2.4136 ppm	0.0014 ppm	3.5224 ppm	0.1716 ppm	0.5810 ppm	0.0000 ppm
Concentration per Run	41.8225 ppm	2.4312 ppm	0.0018 ppm	3.5514 ppm	0.1737 ppm	0.5795 ppm	0.0028 ppm
Concentration RSD	0.3 %	0.4 %	33.3 %	0.4 %	0.6 %	0.2 %	98.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0032 ppm	6.0052 ppm	0.0167 ppm	0.1613 ppm	2.8636 ppm	-0.0009 ppm	0.2464 ppm
Concentration per Run	0.0041 ppm	5.9831 ppm	0.0165 ppm	0.1610 ppm	2.8563 ppm	0.0009 ppm	0.2459 ppm
Concentration per Run	0.0028 ppm	5.9827 ppm	0.0156 ppm	0.1607 ppm	2.8590 ppm	-0.0026 ppm	0.2451 ppm
Concentration per Run	0.0025 ppm	6.0496 ppm	0.0179 ppm	0.1622 ppm	2.8754 ppm	-0.0011 ppm	0.2482 ppm
Concentration RSD	27.4 %	0.6 %	6.9 %	0.5 %	0.4 %	193.6 %	0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.9801 ppm	97.1768 %	98.0424 %	93.7303 %	105.7453 %	106.7006 %	106.7671 %
Concentration per Run	0.9810 ppm	96.5429 %	98.2225 %	93.4208 %	105.0926 %	107.0555 %	106.4891 %
Concentration per Run	0.9731 ppm	97.5271 %	97.5678 %	93.7764 %	105.8758 %	105.9379 %	106.8285 %
Concentration per Run	0.9863 ppm	97.4605 %	98.3371 %	93.9936 %	106.2674 %	107.1085 %	106.9836 %
Concentration RSD	0.7 %	0.6 %	0.4 %	0.3 %	0.6 %	0.6 %	0.2 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2573984-07d2 WG2145172
Analysis started at: 11/28/2025 6:08:27 PM
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Rack Number 3
Vial Numbers 24

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0013 ppm	81.7562 ppm	0.0215 ppm	0.0142 ppm	0.4801 ppm	0.0032 ppm	13.5856 ppm
Concentration per Run	0.0019 ppm	81.7910 ppm	0.0219 ppm	0.0152 ppm	0.4795 ppm	0.0032 ppm	13.6148 ppm
Concentration per Run	0.0010 ppm	81.7208 ppm	0.0224 ppm	0.0148 ppm	0.4779 ppm	0.0032 ppm	13.5511 ppm
Concentration per Run	0.0009 ppm	81.7567 ppm	0.0202 ppm	0.0126 ppm	0.4828 ppm	0.0032 ppm	13.5909 ppm
Concentration RSD	46.4 %	0.0 %	5.2 %	9.7 %	0.5 %	0.7 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0024 ppm	0.0533 ppm	0.0999 ppm	0.1082 ppm	140.5119 ppm	4.7546 ppm	0.0847 ppm
Concentration per Run	0.0025 ppm	0.0534 ppm	0.0989 ppm	0.1075 ppm	140.7154 ppm	4.7693 ppm	0.0876 ppm
Concentration per Run	0.0023 ppm	0.0536 ppm	0.1012 ppm	0.1085 ppm	140.2989 ppm	4.7540 ppm	0.0828 ppm
Concentration per Run	0.0025 ppm	0.0529 ppm	0.0996 ppm	0.1086 ppm	140.5215 ppm	4.7406 ppm	0.0836 ppm
Concentration RSD	4.9 %	0.7 %	1.2 %	0.6 %	0.1 %	0.3 %	3.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	16.8355 ppm	3.4121 ppm	0.0018 ppm	1.5413 ppm	0.1051 ppm	0.2430 ppm	0.0017 ppm
Concentration per Run	16.7756 ppm	3.4038 ppm	0.0022 ppm	1.5415 ppm	0.1035 ppm	0.2424 ppm	0.0008 ppm
Concentration per Run	16.7922 ppm	3.4065 ppm	0.0016 ppm	1.5378 ppm	0.1062 ppm	0.2428 ppm	-0.0007 ppm
Concentration per Run	16.9387 ppm	3.4260 ppm	0.0016 ppm	1.5448 ppm	0.1056 ppm	0.2437 ppm	0.0051 ppm
Concentration RSD	0.5 %	0.4 %	21.7 %	0.2 %	1.4 %	0.3 %	174.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0010 ppm	5.7210 ppm	0.0133 ppm	0.0957 ppm	1.3490 ppm	-0.0006 ppm	0.1492 ppm
Concentration per Run	0.0011 ppm	5.6775 ppm	0.0131 ppm	0.0960 ppm	1.3388 ppm	-0.0003 ppm	0.1474 ppm
Concentration per Run	0.0020 ppm	5.7265 ppm	0.0140 ppm	0.0951 ppm	1.3459 ppm	-0.0019 ppm	0.1499 ppm
Concentration per Run	-0.0001 ppm	5.7589 ppm	0.0128 ppm	0.0960 ppm	1.3622 ppm	0.0005 ppm	0.1503 ppm
Concentration RSD	102.0 %	0.7 %	4.5 %	0.5 %	0.9 %	211.4 %	1.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.7493 ppm	98.7996 %	97.1397 %	93.1911 %	101.9173 %	100.8631 %	102.3646 %
Concentration per Run	1.7356 ppm	98.9688 %	96.6209 %	92.6863 %	101.8185 %	100.7053 %	101.4574 %
Concentration per Run	1.7597 ppm	98.9891 %	97.4100 %	93.1801 %	102.5021 %	101.1736 %	102.5916 %
Concentration per Run	1.7526 ppm	98.4409 %	97.3883 %	93.7070 %	101.4314 %	100.7105 %	103.0448 %
Concentration RSD	0.7 %	0.3 %	0.5 %	0.5 %	0.5 %	0.3 %	0.8 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: CCV
Analysis started at: 11/28/2025 6:10:39 PM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5062 ppm	0.4831 ppm	0.4774 ppm	0.4793 ppm	0.5027 ppm	0.5054 ppm	0.4860 ppm
Concentration per Run	0.5051 ppm	0.4792 ppm	0.4771 ppm	0.4733 ppm	0.5023 ppm	0.5058 ppm	0.4838 ppm
Concentration per Run	0.5074 ppm	0.4930 ppm	0.4776 ppm	0.4824 ppm	0.5056 ppm	0.5056 ppm	0.4862 ppm
Concentration per Run	0.5063 ppm	0.4772 ppm	0.4776 ppm	0.4823 ppm	0.5003 ppm	0.5046 ppm	0.4878 ppm
Recovery Percentage	101.250 %	96.626 %	95.486 %	95.867 %	100.549 %	101.071 %	97.192 %
Concentration RSD	0.2 %	1.8 %	0.1 %	1.1 %	0.5 %	0.1 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5105 ppm	0.5112 ppm	0.5134 ppm	0.5214 ppm	0.5001 ppm	5.2647 ppm	0.5422 ppm
Concentration per Run	0.5061 ppm	0.5081 ppm	0.5074 ppm	0.5188 ppm	0.4965 ppm	5.2656 ppm	0.5459 ppm
Concentration per Run	0.5135 ppm	0.5112 ppm	0.5153 ppm	0.5228 ppm	0.5034 ppm	5.2883 ppm	0.5447 ppm
Concentration per Run	0.5118 ppm	0.5142 ppm	0.5174 ppm	0.5227 ppm	0.5004 ppm	5.2403 ppm	0.5359 ppm
Recovery Percentage	102.096 %	102.230 %	102.674 %	104.285 %	100.020 %	105.295 %	108.435 %
Concentration RSD	0.8 %	0.6 %	1.0 %	0.4 %	0.7 %	0.5 %	1.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5062 ppm	0.5063 ppm	0.4855 ppm	10.3287 ppm	0.5114 ppm	0.4992 ppm	0.5068 ppm
Concentration per Run	0.5060 ppm	0.5053 ppm	0.4806 ppm	10.2960 ppm	0.5072 ppm	0.4972 ppm	0.5004 ppm
Concentration per Run	0.5084 ppm	0.5087 ppm	0.4867 ppm	10.3821 ppm	0.5128 ppm	0.4975 ppm	0.5111 ppm
Concentration per Run	0.5042 ppm	0.5049 ppm	0.4892 ppm	10.3079 ppm	0.5143 ppm	0.5029 ppm	0.5090 ppm
Recovery Percentage	101.237 %	101.257 %	97.097 %	103.287 %	102.282 %	99.837 %	101.361 %
Concentration RSD	0.4 %	0.4 %	0.9 %	0.5 %	0.7 %	0.6 %	1.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4715 ppm	5.3613 ppm	0.4875 ppm	0.4952 ppm	0.4974 ppm	0.4887 ppm	0.5132 ppm
Concentration per Run	0.4726 ppm	5.3032 ppm	0.4816 ppm	0.4960 ppm	0.4962 ppm	0.4874 ppm	0.5102 ppm
Concentration per Run	0.4699 ppm	5.3822 ppm	0.4917 ppm	0.4978 ppm	0.4991 ppm	0.4890 ppm	0.5151 ppm
Concentration per Run	0.4720 ppm	5.3985 ppm	0.4891 ppm	0.4920 ppm	0.4970 ppm	0.4896 ppm	0.5142 ppm
Recovery Percentage	94.309 %	102.120 %	97.492 %	99.050 %	99.490 %	97.734 %	102.634 %
Concentration RSD	0.3 %	1.0 %	1.1 %	0.6 %	0.3 %	0.2 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4970 ppm	99.1393 %	96.0440 %	98.6101 %	97.8594 %	94.0961 %	97.1326 %
Concentration per Run	0.4915 ppm	100.1068 %	96.9355 %	98.8396 %	98.8328 %	94.6723 %	97.4450 %
Concentration per Run	0.5002 ppm	98.3505 %	94.9952 %	98.4123 %	97.0106 %	93.5900 %	96.8154 %
Concentration per Run	0.4993 ppm	98.9605 %	96.2012 %	98.5784 %	97.7349 %	94.0258 %	97.1375 %
Recovery Percentage	99.398 %						
Concentration RSD	1.0 %	0.9 %	1.0 %	0.2 %	0.9 %	0.6 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: CCB
Analysis started at: 11/28/2025 6:12:50 PM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0052 ppm	-0.0020 ppm	0.0005 ppm	0.0002 ppm	0.0000 ppm	-0.0029 ppm
Concentration per Run	-0.0002 ppm	0.0083 ppm	-0.0023 ppm	0.0011 ppm	0.0002 ppm	-0.0001 ppm	-0.0008 ppm
Concentration per Run	0.0001 ppm	0.0039 ppm	-0.0011 ppm	0.0026 ppm	0.0002 ppm	0.0000 ppm	-0.0053 ppm
Concentration per Run	-0.0001 ppm	0.0035 ppm	-0.0026 ppm	-0.0021 ppm	0.0001 ppm	0.0000 ppm	-0.0025 ppm
Recovery Percentage	-0.714 %	5.239 %	-40.319 %	1.764 %	1.629 %	-0.734 %	-2.874 %
Concentration RSD	315.7 %	51.4 %	39.4 %	456.1 %	40.4 %	144.9 %	77.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0002 ppm	0.0000 ppm	-0.0002 ppm	0.0003 ppm	-0.0298 ppm	0.0018 ppm
Concentration per Run	0.0000 ppm	0.0004 ppm	-0.0001 ppm	0.0000 ppm	0.0014 ppm	0.0066 ppm	0.0021 ppm
Concentration per Run	0.0001 ppm	-0.0002 ppm	-0.0001 ppm	-0.0005 ppm	-0.0003 ppm	-0.0425 ppm	0.0025 ppm
Concentration per Run	0.0001 ppm	0.0004 ppm	0.0003 ppm	-0.0001 ppm	-0.0002 ppm	-0.0536 ppm	0.0009 ppm
Recovery Percentage	1.559 %	1.040 %	-0.018 %	-2.007 %	0.646 %	-1.193 %	36.194 %
Concentration RSD	54.6 %	152.2 %	12,308.5 %	146.9 %	296.6 %	107.3 %	45.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0024 ppm	0.0002 ppm	-0.0003 ppm	-0.0008 ppm	-0.0007 ppm	-0.0015 ppm	0.0023 ppm
Concentration per Run	-0.0003 ppm	0.0001 ppm	-0.0002 ppm	-0.0064 ppm	-0.0008 ppm	-0.0018 ppm	0.0027 ppm
Concentration per Run	-0.0049 ppm	0.0003 ppm	-0.0006 ppm	-0.0016 ppm	-0.0003 ppm	-0.0014 ppm	0.0059 ppm
Concentration per Run	-0.0021 ppm	0.0002 ppm	-0.0002 ppm	0.0055 ppm	-0.0009 ppm	-0.0014 ppm	-0.0018 ppm
Recovery Percentage	-2.421 %	1.895 %	-0.629 %	-0.041 %	-2.710 %	-15.257 %	4.512 %
Concentration RSD	95.8 %	39.4 %	65.2 %	718.4 %	47.3 %	15.5 %	172.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0025 ppm	0.0020 ppm	0.0006 ppm	0.0002 ppm	-0.0001 ppm	0.0013 ppm	-0.0001 ppm
Concentration per Run	0.0003 ppm	0.0006 ppm	0.0012 ppm	0.0001 ppm	0.0002 ppm	-0.0005 ppm	0.0001 ppm
Concentration per Run	0.0008 ppm	0.0037 ppm	-0.0012 ppm	0.0002 ppm	-0.0001 ppm	0.0016 ppm	-0.0001 ppm
Concentration per Run	0.0063 ppm	0.0019 ppm	0.0017 ppm	0.0002 ppm	-0.0004 ppm	0.0028 ppm	-0.0003 ppm
Recovery Percentage	24.767 %	0.406 %	1.156 %	1.589 %	-1.058 %	6.503 %	-0.957 %
Concentration RSD	135.3 %	77.0 %	265.7 %	50.5 %	302.4 %	127.7 %	206.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0001 ppm	96.7147 %	94.3095 %	97.0158 %	97.9663 %	94.1737 %	96.8716 %
Concentration per Run	0.0002 ppm	97.4671 %	94.3936 %	97.3913 %	98.7470 %	94.3620 %	97.3406 %
Concentration per Run	-0.0003 ppm	95.8340 %	95.1417 %	97.6332 %	96.7733 %	94.3980 %	97.3862 %
Concentration per Run	-0.0001 ppm	96.8430 %	93.3932 %	96.0228 %	98.3786 %	93.7612 %	95.8880 %
Recovery Percentage	-1.026 %						
Concentration RSD	489.3 %	0.9 %	0.9 %	0.9 %	1.1 %	0.4 %	0.9 %

QC True Values: ICP

	Element	True Value (mg/L)
ICV/CCV	All	0.50
	K	5.00
	Na	10.00
	Si	5.25
ICSA	Al	250
	Ca	250
	Fe	100
	Mg	250
ICSB	Al	9.00
	Sb	1.00
	As	1.00
	Ba	0.30
	Be	0.10
	Bi	1.00
	B	0.50
	Cd	0.30
	Ca	45.00
	Cr	0.30
	Co	0.30
	Cu	0.30
	Fe	37.50
	Pb	1.00
	Mg	22.50
	Mn	0.20
	Mo	0.30
	Ni	0.30
	K	20.00
	Se	0.50
	Si	1.23
	Ag	0.30
	Na	7.50
	Sr	1.00
	Tl	1.00
	Sn	1.00
	Ti	1.00
	V	0.30
	Zn	0.30

	Element	True Value (mg/L)
CRI	Al	0.40
	Sb	0.10
	As	0.02
	Ba	0.04
	Be	0.01
	Bi	0.02
	B	0.10
	Cd	0.01
	Ca	0.40
	Cr	0.02
	Co	0.10
	Cu	0.05
	Fe	0.20
	Pb	0.05
	Mg	0.40
	Mn	0.03
	Mo	0.10
	Ni	0.08
	K	5.00
	Se	0.02
	Si	1.00
	Ag	0.02
	Na	5.00
	Sr	0.02
	Tl	0.02
	Sn	0.02
	Ti	0.02
	V	0.10
	Zn	0.04

LCS & MS Spike Concentrations

Element	Liquid concentrations (mg/L)	Soil concentrations (mg/kg)
Al	2.00	100
Sb	0.50	25.0
As	0.12	6.0
Ba	2.00	100
Be	0.05	2.5
Bi	1.00	50.0
B	1.00	50.0
Cd	0.05	2.55
Ca	10.00	500
Cr	0.20	10.0
Co	0.50	25.0
Cu	0.25	12.5
Fe	1.00	50.0
Pb	0.51	25.5
Mg	10.00	500
Mn	0.50	25.0
Mo	1.00	50.0
Ni	0.50	25.0
K	10.00	500
Se	0.12	6.0
Si	1.00	50.0
Ag	0.05	2.5
Na	10.00	500
Sr	1.00	50.0
Tl	0.12	6.0
Sn	1.00	50.0
Ti	1.00	50.0
V	0.50	25.0
Zn	0.50	25.0

LCS and MS Spike Concentrations—As of 08/09/2011

Element	Liquid Concentration(mg/L)	Soil Concentration (mg/kg)
Al	2.00	160
Sb	0.50	40
As	0.12	9.6
Ba	2.00	160
Be	0.05	4.0
Bi	1.00	80
B	1.00	80
Cd	0.051	4.08
Ca	10.0	800
Cr	0.20	16
Co	0.50	40
Cu	0.25	20
Fe	1.00	80
Pb	0.51	40.8
Mg	10.0	800
Mn	0.50	40
Mo	1.00	80
Ni	0.50	40
K	10.0	800
Se	0.12	9.6
Si	1.00	80
Ag	0.05	24
Na	10.0	800
Sr	1.00	80
Tl	0.12	9.6
Sn	1.00	80
Ti	1.00	80
V	0.50	40
Zn	0.50	40

Revised 8/9/11 Soil spike is based on (2x water spike)x(50/1.25), where 50 is the final volume of soil digestate and 1.25 is the nominal digestion weight of 1.25g, except in the case of Ag, where additional Ag is added to the spike.

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D102-540
Certificate Issue Date: June 22, 2018
Expiration Date: January 31, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 030512.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8160	6.36	3960 - 12400	4080 - 12200
Antimony	120	60.9	9.42	0.822 - 121	12.0 - 166
Arsenic	144	135	5.08	112 - 158	94.6 - 176
Barium	469	443	6.77	366 - 521	332 - 554
Beryllium	207	197	5.86	164 - 229	148 - 246
Boron	213	174	12.6	127 - 221	105 - 244
Cadmium	224	204	6.65	169 - 240	153 - 256
Calcium	5190	4830	9.12	3950 - 5700	3510 - 6150
Chromium	138	132	8.56	109 - 155	92.2 - 171
Cobalt	182	179	7.93	151 - 207	134 - 224
Copper	191	184	6.72	155 - 213	138 - 230
Iron	15000	14400	10.7	8770 - 20000	5120 - 23600
Lead	225	216	7.72	178 - 254	159 - 274
Magnesium	2570	2340	6.13	1780 - 2900	1460 - 3230
Manganese	331	323	6.71	266 - 380	242 - 404
Mercury	16.8	13.2	16.0	8.64 - 17.7	7.89 - 18.5
Molybdenum	193	175	2.39	141 - 209	125 - 226
Nickel	163	152	5.95	126 - 178	106 - 197
Potassium	2420	2050	6.31	1440 - 2660	1210 - 2890
Selenium	81.9	74.9	4.13	59.3 - 90.5	47.0 - 103
Silver	57.6	53.9	9.00	43.0 - 64.8	37.8 - 70.0
Sodium	161	149	12.1	111 - 188	57.7 - 241
Strontium	100	96.2	4.04	78.1 - 114	69.0 - 123
Thallium	253	232	3.54	188 - 276	168 - 296

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▪ Certificate of Analysis ▪

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	146	134	10.8	106 - 163	79.5 - 189
Titanium	449	340	7.20	70.2 - 609	44.9 - 711
Uranium	114	113	7.10	85.5 - 140	71.9 - 153
Vanadium	180	172	8.85	137 - 207	126 - 218
Zinc	217	211	6.58	171 - 250	147 - 274

ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8160	80.8	138	-	-
Antimony	120	60.9	50.8	135	-	-
Arsenic	144	135	93.8	184	-	-
Barium	469	443	94.5	158	-	-
Beryllium	207	197	95.0	148	-	-
Boron	213	174	81.8	107	-	-
Cadmium	224	204	91.3	199	-	-
Calcium	5190	4830	93.0	122	-	-
Chromium	138	132	95.5	172	-	-
Cobalt	182	179	98.4	140	-	-
Copper	191	184	96.3	183	-	-
Iron	15000	14400	95.6	133	-	-
Lead	225	216	96.2	204	-	-
Magnesium	2570	2340	91.2	122	-	-
Manganese	331	323	97.6	147	-	-
Mercury	16.8	13.2	78.3	128	-	-
Molybdenum	193	175	90.8	143	-	-
Nickel	163	152	93.1	185	-	-
Potassium	2420	2050	84.7	121	-	-
Selenium	81.9	74.9	91.5	163	-	-

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▪ Certificate of Analysis ▪

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Silver	57.6	53.9	93.6	150	-	-
Sodium	161	149	92.8	105	-	-
Strontium	100	96.2	96.2	90	-	-
Thallium	253	232	91.6	147	-	-
Tin	146	134	92.0	100	-	-
Titanium	449	340	75.6	93	-	-
Uranium	114	113	98.8	35	-	-
Vanadium	180	172	95.4	139	-	-
Zinc	217	211	97.0	180	-	-

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor. The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product.

3. The **QC Performance Acceptance Limits (QC PALs™)**are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Data/Traceability** data include the mean value, percent recovery and number of data points reported by the laboratories in our Proficiency Testing study compared to the Certified Values. In addition, where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. This product is traceable to the lot numbers of its starting materials. All gravimetric and volumetric measurements related to its manufacture are traceable to NIST through an unbroken chain of comparisons.
Traceability Recovery (%) = [(% recovery certified standard)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

6. For additional information on this product such as intended use, instructions for use, level of homogeneity, and safety information, please refer to the provided Instruction Sheet

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller



Quality Officer

Matthew Seebeck



ISO/IEC GUIDE 34:2009 ACCREDITED REFERENCE MATERIAL PRODUCER CERTIFICATE NO. 1539.03

ISO/IEC 17025:2005 ACCREDITED CHEMICAL TESTING LABORATORY CERTIFICATE NO. 1539.02

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ERA
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Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D105-540
Certificate Issue Date: March 19, 2019
Expiration Date: October 12, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 030512.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8800	8.32	4600 - 13000	4470 - 13100
Antimony	282	147	7.70	6.17 - 289	28.2 - 366
Arsenic	155	143	6.34	119 - 168	100 - 186
Barium	439	415	5.37	343 - 488	311 - 519
Beryllium	192	179	2.78	149 - 210	134 - 224
Boron	216	160	7.08	113 - 208	96.1 - 238
Cadmium	61.5	56.2	0.528	46.6 - 65.9	42.2 - 70.3
Calcium	5190	4960	6.64	4090 - 5840	3610 - 6310
Chromium	104	101	4.75	83.2 - 118	70.5 - 131
Cobalt	196	189	0.500	158 - 219	141 - 236
Copper	65.0	63.1	2.65	53.1 - 73.1	47.3 - 78.9
Iron	15000	15700	8.94	10100 - 21300	6000 - 25400
Lead	126	125	4.77	103 - 146	89.3 - 160
Magnesium	2570	2410	6.26	1860 - 2970	1520 - 3310
Manganese	387	382	5.37	315 - 449	290 - 474
Mercury	7.76	7.61	13.7	5.53 - 9.69	4.57 - 10.7
Molybdenum	120	107	0.500	86.0 - 128	75.5 - 139
Nickel	117	108	0.514	89.5 - 127	75.7 - 141
Potassium	2420	2110	5.62	1500 - 2720	1260 - 2960
Selenium	84.6	77.9	7.10	61.8 - 94.0	49.2 - 107
Silver	34.6	34.3	8.34	27.8 - 40.9	23.6 - 45.1
Sodium	161	145	6.72	106 - 183	54.3 - 235
Strontium	104	104	3.95	85.1 - 123	74.8 - 133
Thallium	123	113	0.500	91.3 - 134	77.1 - 149

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Reference Material

▪ Certificate of Analysis ▪

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	118	107	0.500	83.5 - 130	61.2 - 152
Titanium	512	421	5.80	114 - 728	0.00 - 854
Uranium	103	104	6.18	79.1 - 128	71.9 - 135
Vanadium	87.3	83.7	8.55	66.8 - 101	54.2 - 113
Zinc	251	240	3.98	194 - 285	168 - 312

ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8800	87.1	193	-	-
Antimony	282	147	52.3	216	-	-
Arsenic	155	143	92.5	240	-	-
Barium	439	415	94.6	222	-	-
Beryllium	192	179	93.4	220	-	-
Boron	216	160	74.2	152	-	-
Cadmium	61.5	56.2	91.5	239	-	-
Calcium	5190	4960	95.6	175	-	-
Chromium	104	101	96.8	237	-	-
Cobalt	196	189	96.2	215	-	-
Copper	65.0	63.1	97.1	237	-	-
Iron	15000	15700	105	195	-	-
Lead	126	125	99.0	243	-	-
Magnesium	2570	2410	93.9	177	-	-
Manganese	387	382	98.7	215	-	-
Mercury	7.76	7.61	98.0	157	-	-
Molybdenum	120	107	89.4	216	-	-
Nickel	117	108	92.5	235	-	-
Potassium	2420	2110	87.2	181	-	-
Selenium	84.6	77.9	92.1	231	-	-

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Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Silver	34.6	34.3	99.3	216	-	-
Sodium	161	145	89.8	166	-	-
Strontium	104	104	99.9	148	-	-
Thallium	123	113	91.8	215	-	-
Tin	118	107	90.4	164	-	-
Titanium	512	421	82.2	157	-	-
Uranium	103	104	101	61	-	-
Vanadium	87.3	83.7	95.9	214	-	-
Zinc	251	240	95.5	234	-	-

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this reference material during the period of validity of this certificate.

2. The **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor. The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product.

3. The **QC Performance Acceptance Limits (QC PALs™)**are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Data/Traceability** data include the mean value, percent recovery and number of data points reported by the laboratories in our Proficiency Testing study compared to the Certified Values. In addition, where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. This product is traceable to the lot numbers of its starting materials. All gravimetric and volumetric measurements related to its manufacture are traceable to NIST through an unbroken chain of comparisons.
Traceability Recovery (%) = [(% recovery certified standard)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

6. For additional information on this product such as intended use, instructions for use, level of homogeneity, and safety information, please refer to the provided Instruction Sheet

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Brian Miller

Quality Officer

Matthew Seebeck

ERA
A Waters Company

Certified Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D109-540
Certificate Issue Date: March 24, 2020
Expiration Date: October 03, 2023
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 090119.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8130	2.54	3920 - 12300	4060 - 12200
Antimony	259	134	5.03	4.56 - 264	25.9 - 335
Arsenic	171	156	3.38	129 - 183	109 - 203
Barium	253	239	4.81	197 - 280	179 - 298
Beryllium	179	169	6.59	141 - 198	127 - 212
Boron	114	87.5	10.3	62.5 - 113	52.5 - 125
Cadmium	149	137	5.43	113 - 160	103 - 171
Calcium	5190	4760	3.48	3890 - 5640	3460 - 6070
Chromium	163	154	3.79	126 - 181	108 - 200
Cobalt	127	121	5.07	101 - 141	90.8 - 151
Copper	57.0	54.9	4.13	46.1 - 63.6	41.1 - 68.6
Iron	15000	14100	6.27	8470 - 19700	4920 - 23200
Lead	133	130	3.00	107 - 152	93.3 - 167
Magnesium	2570	2320	3.32	1760 - 2880	1440 - 3200
Manganese	277	269	2.67	221 - 317	199 - 340
Mercury	21.6	20.5	7.72	14.7 - 26.3	12.3 - 28.6
Molybdenum	108	95.4	2.61	76.4 - 114	66.9 - 124
Nickel	58.7	53.9	4.97	44.5 - 63.3	37.7 - 70.0
Potassium	2420	2020	3.06	1410 - 2630	1190 - 2850
Selenium	181	167	5.63	132 - 201	113 - 221
Silver	35.5	33.6	5.20	26.8 - 40.3	23.0 - 44.1
Sodium	161	133	2.76	95.1 - 171	46.5 - 220
Strontium	89.7	87.9	4.59	71.7 - 104	62.8 - 113
Thallium	121	112	5.19	90.3 - 133	76.1 - 147

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Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	83.5	74.0	5.42	57.6 - 90.4	39.7 - 108
Titanium	474	333	7.17	48.6 - 617	46.3 - 620
Uranium	51.9	51.9	3.36	39.6 - 64.3	35.9 - 68.0
Vanadium	68.1	62.6	6.00	49.4 - 75.8	37.0 - 88.3
Zinc	165	158	2.34	128 - 188	111 - 205

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ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number[6]	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8130	80.5	196	-	-
Antimony	259	134	51.8	217	-	-
Arsenic	171	156	91.3	243	-	-
Barium	253	239	94.3	230	-	-
Beryllium	179	169	94.6	223	-	-
Boron	114	87.5	76.7	150	-	-
Cadmium	149	137	91.8	249	-	-
Calcium	5190	4760	91.8	184	-	-
Chromium	163	154	94.4	245	-	-
Cobalt	127	121	95.3	221	-	-
Copper	57.0	54.9	96.2	243	-	-
Iron	15000	14100	93.9	199	-	-
Lead	133	130	97.7	251	-	-
Magnesium	2570	2320	90.1	182	-	-
Manganese	277	269	97.2	220	-	-
Mercury	21.6	20.5	94.7	172	-	-
Molybdenum	108	95.4	88.3	218	-	-
Nickel	58.7	53.9	91.8	242	-	-
Potassium	2420	2020	83.5	187	-	-
Selenium	181	167	92.2	235	-	-
Silver	35.5	33.6	94.5	222	-	-
Sodium	161	133	82.7	177	-	-
Strontium	89.7	87.9	98.0	151	-	-
Thallium	121	112	92.2	219	-	-
Tin	83.5	74.0	88.6	170	-	-
Titanium	474	333	70.3	157	-	-
Uranium	51.9	51.9	100	60	-	-
Vanadium	68.1	62.6	91.9	213	-	-
Zinc	165	158	95.8	238	-	-

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1. The **Certified Values** are the actual gravimetric/volumetric "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor (k=2). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:
$U_{expanded} = k * SQRT((U_{char}^2) + (U_{homogen}^2) + (U_{LTS}^2) + (U_{STS}^2) + (U_{RSS}^2))$

Where:

$U_{expanded}$ = Expanded uncertainty.
k = Coverage factor.
U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.
$U_{homogen}$ = Standard uncertainty of the homogeneity assessment.
U_{LTS} = Standard uncertainty associated with long-term stability.
U_{STS} = Standard uncertainty associated with short-term (transport) stability.
U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this certified reference material alongside USEPA and NELAC compliant PT study materials. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and therefore, the acceptance limits of this certified reference material and any PT study material may differ relative to their difference in concentrations.

5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated internally by ERA.

6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = [(% recovery ERA certified reference material)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing this ERA certified reference material and/or it's associated stock solution(s) against the applicable NIST SRMs.

7. The **Reference Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The **Reference Values** represent the expected performance for the analytes in this standard. ERA recommends using the **Reference Values** when assessing or evaluating your results.

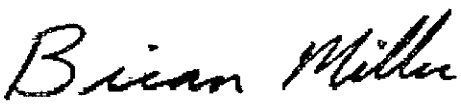
8. **Metrological Traceability**. This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.

9. For additional information on this product such as intended use, storage information, instructions for use, minimum sample size, and safety information, please refer to the Product Use Instructions provided.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller



Quality Officer

Matthew Seebeck



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Certified Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D113-540
Certificate Issue Date: March 23, 2021
Expiration Date: October 13, 2024
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 090119.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8630	12.0	4420 - 12800	4370 - 12900
Antimony	256	129	16.8	0.742 - 257	25.6 - 323
Arsenic	91.6	84.5	15.1	70.0 - 99.0	59.2 - 110
Barium	259	249	9.94	206 - 292	187 - 311
Beryllium	175	163	3.89	135 - 191	122 - 204
Boron	95.7	76.7	12.8	55.7 - 97.7	48.0 - 107
Cadmium	107	99.0	11.5	82.2 - 116	74.2 - 124
Calcium	5190	4760	11.8	3890 - 5640	3460 - 6070
Chromium	129	122	14.6	101 - 144	85.7 - 159
Cobalt	63.6	61.7	11.5	51.9 - 71.6	46.3 - 77.2
Copper	62.3	61.5	12.3	51.9 - 71.0	46.1 - 76.8
Iron	15000	14500	15.7	8860 - 20100	5190 - 23800
Lead	122	123	13.9	103 - 144	88.3 - 158
Lithium	6.42	7.30	18.7	5.13 - 9.48	3.20 - 11.4
Magnesium	2570	2360	8.87	1810 - 2920	1480 - 3250
Manganese	470	456	13.4	375 - 538	350 - 563
Mercury	22.1	18.9	14.5	13.0 - 24.8	11.3 - 26.4
Molybdenum	80.1	72.8	11.0	58.7 - 87.0	50.5 - 95.2
Nickel	143	135	14.2	112 - 158	94.7 - 176
Potassium	2420	2090	8.21	1480 - 2700	1240 - 2940
Selenium	128	121	11.7	96.9 - 146	80.4 - 162
Silver	45.4	44.1	6.69	35.5 - 52.8	30.7 - 57.6
Sodium	161	136	9.34	97.4 - 174	48.1 - 223
Strontium	82.2	82.3	8.42	67.4 - 97.1	58.6 - 106

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Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Thallium	154	144	7.54	117 - 171	101 - 187
Tin	89.7	79.8	14.0	62.2 - 97.4	43.5 - 116
Titanium	705	546	10.3	123 - 969	118 - 974
Uranium	29.5	30.9	3.38	23.9 - 37.9	21.3 - 40.5
Vanadium	196	186	14.2	148 - 224	138 - 235
Zinc	307	295	10.4	240 - 351	207 - 384

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Product: Metals in Soil
Catalog Number: 540
Lot No. D123-540
Certificate Issue Date: September 29, 2023
Expiration Date: June 01, 2027
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 111122.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	7680	6780	7.45	3590 - 9980	3240 - 10300
Antimony	257	127	7.67	D.L. - 255	25.7 - 318
Arsenic	360	311	5.66	254 - 368	218 - 405
Barium	332	304	10.3	249 - 359	228 - 380
Beryllium	183	169	2.30	140 - 198	127 - 211
Boron	320	229	8.37	159 - 300	138 - 352
Cadmium	238	212	2.84	175 - 250	159 - 265
Calcium	5490	5170	7.20	4240 - 6090	3770 - 6560
Chromium	199	180	7.49	146 - 213	126 - 234
Cobalt	88.7	81.6	14.9	67.9 - 95.4	61.2 - 102
Copper	227	205	23.1	170 - 240	154 - 256
Iron	7360	6510	7.13	3760 - 9260	736 - 13200
Lead	100	92.8	17.9	75.9 - 110	65.0 - 121
Lithium	146	132	6.88	82.7 - 182	92.0 - 172
Magnesium	1900	1700	6.98	1280 - 2110	946 - 2450
Manganese	591	531	12.5	429 - 633	410 - 652
Mercury	14.4	11.9	8.30	7.99 - 15.7	7.12 - 16.6
Molybdenum	155	136	2.46	108 - 163	96.1 - 175
Nickel	342	313	7.24	258 - 368	219 - 407
Potassium	1500	1370	6.70	991 - 1750	713 - 2030
Selenium	170	165	4.43	133 - 197	112 - 218
Silver	88.6	82.4	6.61	65.5 - 99.2	58.5 - 106
Sodium	527	486	7.85	361 - 611	289 - 683
Strontium	148	136	8.52	109 - 163	98.7 - 173

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Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Thallium	226	205	4.43	166 - 245	148 - 263
Tin	85.2	75.4	3.97	58.7 - 92.1	40.6 - 110
Titanium	382	306	8.28	77.0 - 535	98.3 - 514
Uranium	46.5	47.2	5.32	36.2 - 58.2	28.6 - 65.8
Vanadium	118	103	7.76	80.3 - 126	70.0 - 136
Zinc	183	166	6.60	133 - 200	117 - 216

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ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number[6]	Recovery
	mg/kg	mg/kg	%			%
Aluminum	7680	6780	88.3	109	-	-
Antimony	257	127	49.3	117	-	-
Arsenic	360	311	86.5	145	-	-
Barium	332	304	91.6	129	-	-
Beryllium	183	169	92.4	121	-	-
Boron	320	229	71.6	84	-	-
Cadmium	238	212	89.2	163	-	-
Calcium	5490	5170	94.1	97	-	-
Chromium	199	180	90.4	145	-	-
Cobalt	88.7	81.6	92.0	121	-	-
Copper	227	205	90.3	151	-	-
Iron	7360	6510	88.5	110	-	-
Lead	100	92.8	92.8	161	-	-
Lithium	146	132	90.6	35	-	-
Magnesium	1900	1700	89.4	100	-	-
Manganese	591	531	89.8	125	-	-
Mercury	14.4	11.9	82.4	95	-	-
Molybdenum	155	136	87.5	120	-	-
Nickel	342	313	91.5	150	-	-
Potassium	1500	1370	91.3	99	-	-
Selenium	170	165	97.0	132	-	-
Silver	88.6	82.4	93.0	124	-	-
Sodium	527	486	92.2	100	-	-
Strontium	148	136	91.9	84	-	-
Thallium	226	205	90.8	117	-	-
Tin	85.2	75.4	88.5	90	-	-
Titanium	382	306	80.1	87	-	-
Uranium	46.5	47.2	102	30	-	-
Vanadium	118	103	87.4	119	-	-
Zinc	183	166	91.0	146	-	-

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1. The **Certified Values** are the actual gravimetric/volumetric "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor (k=2). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:
$U_{expanded} = k * SQRT((U_{char}^2) + (U_{homogen}^2) + (U_{LTS}^2) + (U_{STS}^2) + (U_{RSS}^2))$

Where:

$U_{expanded}$ = Expanded uncertainty.
k = Coverage factor.
U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.
$U_{homogen}$ = Standard uncertainty of the homogeneity assessment.
U_{LTS} = Standard uncertainty associated with long-term stability.
U_{STS} = Standard uncertainty associated with short-term (transport) stability.
U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this certified reference material alongside USEPA and NELAC compliant PT study materials. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and therefore, the acceptance limits of this certified reference material and any PT study material may differ relative to their difference in concentrations.

5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated internally by ERA.

6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = [(% recovery ERA certified reference material)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing this ERA certified reference material and/or it's associated stock solution(s) against the applicable NIST SRMs.

7. The **Reference Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The **Reference Values** represent the expected performance for the analytes in this standard. ERA recommends using the **Reference Values** when assessing or evaluating your results.

8. **Metrological Traceability**. This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.

9. For additional information on this product such as intended use, storage information, instructions for use, minimum sample size, and safety information, please refer to the Product Use Instructions provided.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to era_info@waters.com.

This Certificate of Analysis is authorized by Waters ERA, Quality and Technical departments.

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▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D126-540
Certificate Issue Date: June 25, 2024
Expiration Date: January 17, 2028
Revision Number: 1.0
Revision Date: February 28, 2025

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 111122.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	7680	6840	17.4	3640 - 10000	3280 - 10400
Antimony	250	131	7.92	5.96 - 256	25.0 - 328
Arsenic	229	192	15.3	156 - 228	135 - 252
Barium	244	219	20.5	179 - 259	164 - 274
Beryllium	165	146	6.80	120 - 172	110 - 183
Boron	255	175	13.9	119 - 231	105 - 280
Cadmium	134	114	6.45	93.1 - 135	85.5 - 147
Calcium	4280	4080	14.7	3360 - 4800	2930 - 5240
Chromium	172	153	13.9	124 - 182	107 - 199
Cobalt	253	231	19.3	192 - 271	174 - 289
Copper	99.6	91.2	17.6	75.8 - 107	68.4 - 114
Iron	7360	7020	21.4	4260 - 9770	736 - 13800
Lead	153	141	18.2	115 - 167	102 - 180
Lithium	104	96.1	13.2	60.8 - 131	68.1 - 124
Magnesium	2060	1900	16.9	1450 - 2350	1110 - 2690
Manganese	442	401	19.4	324 - 477	305 - 497
Mercury	15.9	14.1	7.72	9.82 - 18.4	8.45 - 19.7
Molybdenum	165	144	6.21	115 - 173	102 - 186
Nickel	165	143	14.5	117 - 170	100 - 187
Potassium	1950	1760	15.6	1270 - 2250	999 - 2520
Selenium	107	94.7	9.78	74.3 - 115	61.2 - 128
Silver	83.9	77.0	10.1	61.1 - 92.9	54.6 - 99.4
Sodium	732	661	15.6	487 - 834	409 - 913

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Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Strontium	222	191	15.0	151 - 232	140 - 244
Thallium	208	183	6.96	147 - 219	131 - 235
Tin	111	99.0	10.8	77.2 - 121	56.1 - 142
Titanium	422	353	19.9	99.4 - 606	128 - 577
Uranium	20.9	20.0	13.9	15.1 - 25.0	8.44 - 31.6
Vanadium	179	159	13.9	125 - 194	116 - 203
Zinc	327	292	5.83	233 - 351	204 - 379

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ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number[6]	Recovery
	mg/kg	mg/kg	%			%
Aluminum	7680	6840	89.0	135	-	-
Antimony	250	131	52.5	145	-	-
Arsenic	229	192	84.0	242	-	-
Barium	244	219	89.7	165	-	-
Beryllium	165	146	88.7	153	-	-
Boron	255	175	68.5	109	-	-
Cadmium	134	114	85.1	243	-	-
Calcium	4280	4080	95.4	119	-	-
Chromium	172	153	89.2	185	-	-
Cobalt	253	231	91.5	144	-	-
Copper	99.6	91.2	91.6	238	-	-
Iron	7360	7020	95.3	133	-	-
Lead	153	141	92.2	255	-	-
Lithium	104	96.1	92.4	45	-	-
Magnesium	2060	1900	92.3	122	-	-
Manganese	442	401	90.7	143	-	-
Mercury	15.9	14.1	88.6	148	-	-
Molybdenum	165	144	87.2	145	-	-
Nickel	165	143	86.9	232	-	-
Potassium	1950	1760	90.2	128	-	-
Selenium	107	94.7	88.5	167	-	-
Silver	83.9	77.0	91.8	157	-	-
Sodium	732	661	90.3	117	-	-
Strontium	222	191	86.2	92	-	-
Thallium	208	183	88.0	147	-	-
Tin	111	99.0	89.1	102	-	-
Titanium	422	353	83.6	90	-	-
Uranium	20.9	20.0	95.9	31	-	-
Vanadium	179	159	89.0	146	-	-
Zinc	327	292	89.3	233	-	-

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1. The **Certified Values** are the actual gravimetric/volumetric "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor (k=2). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:
$U_{expanded} = k * SQRT((U_{char}^2) + (U_{homogen}^2) + (U_{LTS}^2) + (U_{STS}^2) + (U_{RSS}^2))$

Where:

$U_{expanded}$ = Expanded uncertainty.
k = Coverage factor.
U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.
$U_{homogen}$ = Standard uncertainty of the homogeneity assessment.
U_{LTS} = Standard uncertainty associated with long-term stability.
U_{STS} = Standard uncertainty associated with short-term (transport) stability.
U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this certified reference material alongside USEPA and NELAC compliant PT study materials. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and therefore, the acceptance limits of this certified reference material and any PT study material may differ relative to their difference in concentrations.

5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated internally by ERA.

6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = [(% recovery ERA certified reference material)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing this ERA certified reference material and/or it's associated stock solution(s) against the applicable NIST SRMs.

7. The **Reference Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The **Reference Values** represent the expected performance for the analytes in this standard. ERA recommends using the **Reference Values** when assessing or evaluating your results.

8. **Metrological Traceability.** This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.

9. For additional information on this product such as intended use, storage information, instructions for use, minimum sample size, and safety information, please refer to the Product Use Instructions provided.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to era_info@waters.com.

This Certificate of Analysis is authorized by Waters ERA, Quality and Technical departments.

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Calculation of 6010B Metals

Aqueous Samples

The instrument will calculate the concentration (µg/L). This value is divided by 1000 to convert the units to mg/L. If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

$$\text{Result, mg/L} = C_s \times (1\text{mg}/1000\mu\text{g}) \times (DF)$$

Where:

C_s = Concentration of sample (µg/L)

DF = Dilution Factor

Soil or Solid Samples

Soil samples are calculated as follows:

$$\text{Result, mg/Kg} = \frac{C_s \times (1\text{mg}/1000\mu\text{g}) \times (DF)}{A}$$

Where:

C_s = Concentration of sample (µg/L)

DF = Dilution Factor

$$A = \frac{\text{Sample weight (grams)}}{\text{Final Volume (mL)}}$$

Dry weight correction

Dry weight correction is calculated as follows:

$$\text{Final concentration in mg/Kg, dry weight} = \frac{\text{Result, mg/Kg}}{\%_{solids}}$$

Where:

$\%_{solids}$ = Percent Solids, as a decimal value

Sequence Trace 11

11/28/2025 5:15:19 AM

LabBook: WG2146815_11262025T11.imexp

Summary

Index	Label	Rack Number	Vial Numbers	Start Time
1	xBlank JMF Trace11	0	1	11/26/2025 8:17:20 AM
2	Blank JMF Trace11	0	1	11/26/2025 8:19:39 AM
3	ICAL	0	2	11/26/2025 8:21:51 AM
4	ICV	0	3	11/26/2025 8:24:00 AM
5	ICB	0	4	11/26/2025 8:26:09 AM
6	ICV	0	10	11/26/2025 8:28:19 AM
7	ICB	0	4	11/26/2025 8:30:28 AM
8	LLOQ	0	5	11/26/2025 8:32:37 AM
9	ICSA	0	6	11/26/2025 8:37:32 AM
10	SIC Multi (B and Si contamination)	0	7	11/26/2025 8:39:41 AM
11	LDR Check	0	8	11/26/2025 8:41:51 AM
12	LLOQ 0.01ppm Se	1	1	11/26/2025 8:54:54 AM
13	LLOQ 0.05ppm Ca	1	2	11/26/2025 8:57:09 AM
14	IEC_LDR 700 Ca pass Cd-	1	3	11/26/2025 9:02:11 AM
15	CCV	0	3	11/26/2025 9:31:25 AM
16	CCB	0	4	11/26/2025 9:33:45 AM
17	L2572772-02D2 WG2144640	1	6	11/26/2025 9:38:03 AM
18	eL2573410-02D2 WG2144640	1	7	11/26/2025 9:40:17 AM
19	eL2573410-04D2 WG2144640	1	8	11/26/2025 9:42:27 AM
20	eL2573410-07D2 WG2144640	1	9	11/26/2025 9:44:36 AM
21	L2573410-09D2 WG2144640	1	10	11/26/2025 9:46:45 AM
22	eL2573410-41D2 WG2144640	1	11	11/26/2025 9:48:54 AM
23	L2573410-47D2 WG2144640	1	12	11/26/2025 9:51:04 AM
24	L2572560-01D2 WG2144640	1	4	11/26/2025 9:53:13 AM
25	L2572560-02D2 WG2144640	1	5	11/26/2025 9:55:22 AM
26	CCV	0	3	11/26/2025 9:57:46 AM
27	CCB	0	4	11/26/2025 9:59:55 AM
28	L2573410-02D5 WG2144640	1	13	11/26/2025 10:25:10 AM
29	L2573410-04D5 WG2144640	1	14	11/26/2025 10:27:30 AM
30	L2573410-07D8 WG2144640	1	15	11/26/2025 10:29:39 AM
31	L2573410-09D20 WG2144640	1	16	11/26/2025 10:31:49 AM
32	L2573410-41D5 WG2144640	1	17	11/26/2025 10:33:59 AM
33	L2572664-01D2 WG2145675	1	18	11/26/2025 10:46:12 AM
34	L2572664-02D2 WG2145675	1	19	11/26/2025 10:48:32 AM
35	L2572664-03D2 WG2145675	1	20	11/26/2025 10:50:41 AM
36	L2572664-04D2 WG2145675	1	21	11/26/2025 10:52:51 AM
37	L2572664-05D2 WG2145675	1	22	11/26/2025 10:55:00 AM
38	CCV	0	3	11/26/2025 10:57:10 AM
39	CCB	0	4	11/26/2025 10:59:20 AM
40	WG2146224-1 WG2146224	1	28	11/26/2025 11:07:26 AM
41	WG2146224-2 WG2146224	1	29	11/26/2025 11:09:46 AM
42	LDR 5 As pass	1	33	11/26/2025 11:12:07 AM
43	L2572664-06D2 WG2145675	1	23	11/26/2025 11:23:37 AM
44	L2572664-07D2 WG2145675	1	24	11/26/2025 11:25:53 AM
45	L2572664-08D2 WG2145675	1	25	11/26/2025 11:28:03 AM
46	L2572664-09D2 WG2145675	1	26	11/26/2025 11:30:12 AM
47	L2573543-01 WG2146224	1	30	11/26/2025 11:32:22 AM
48	WG2146224-3 WG2146224	1	31	11/26/2025 11:34:32 AM
49	WG2146224-4 WG2146224	1	32	11/26/2025 11:36:41 AM
50	CCV	0	3	11/26/2025 11:38:51 AM
51	CCB	0	4	11/26/2025 11:41:00 AM
52	WG2146515-2D2 WG2146515	1	34	11/26/2025 11:45:16 AM
53	WG2146515-3D2 WG2146515	1	35	11/26/2025 11:47:30 AM
54	L2572664-10D2 WG2145675	1	27	11/26/2025 11:49:40 AM
55	CCV	0	3	11/26/2025 11:51:49 AM
56	CCB	0	4	11/26/2025 11:53:59 AM
57	LDR 300 Fe pass	1	46	11/26/2025 12:04:29 PM
58	L2571480-04 WG2143030	1	41	11/26/2025 12:06:49 PM
59	L2571480-05 WG2143030	1	42	11/26/2025 12:08:59 PM
60	L2571480-06 WG2143030	1	43	11/26/2025 12:11:10 PM
61	L2571480-07 WG2143030	1	44	11/26/2025 12:13:19 PM
62	L2572646-01 WG2143030	1	36	11/26/2025 12:15:29 PM
63	WG2143030-7 WG2143030	1	37	11/26/2025 12:17:38 PM
64	WG2143030-8 WG2143030	1	38	11/26/2025 12:19:49 PM
65	WG2143030-9 WG2143030	1	39	11/26/2025 12:21:59 PM
66	WG2143030-10D5 WG2143030	1	40	11/26/2025 12:24:08 PM
67	CCV	0	3	11/26/2025 12:26:17 PM

Sequence Trace 11

11/28/2025 5:15:19 AM

Index	Label	Rack Number	Vial Numbers	Start Time
68	CCB	0	4	11/26/2025 12:28:28 PM
69	WG2146909-1 WG2146909	1	47	11/26/2025 12:42:18 PM
70	WG2146909-2 WG2146909	1	48	11/26/2025 12:44:39 PM
71	L2575066-01 WG2146909	1	49	11/26/2025 12:46:48 PM
72	WG2146909-3 WG2146909	1	50	11/26/2025 12:48:58 PM
73	WG2146909-4 WG2146909	1	51	11/26/2025 12:51:07 PM
74	L2575066-09 WG2146909	1	59	11/26/2025 12:53:59 PM
75	L2575066-10 WG2146909	1	60	11/26/2025 12:56:09 PM
76	L2575066-02 WG2146909	1	52	11/26/2025 12:58:19 PM
77	L2575066-03 WG2146909	1	53	11/26/2025 1:00:28 PM
78	L2575066-04 WG2146909	1	54	11/26/2025 1:02:38 PM
79	CCV	0	3	11/26/2025 1:04:48 PM
80	CCB	0	4	11/26/2025 1:06:58 PM
81	L2575066-05 WG2146909	1	55	11/26/2025 1:15:59 PM
82	L2575066-06 WG2146909	1	56	11/26/2025 1:18:14 PM
83	L2575066-07 WG2146909	1	57	11/26/2025 1:20:25 PM
84	L2575066-08 WG2146909	1	58	11/26/2025 1:22:36 PM
85	L2572696-01 WG2143030	1	45	11/26/2025 1:24:45 PM
86	L2572207-01 WG2144908	2	1	11/26/2025 1:26:56 PM
87	L2572725-06 WG2144908	2	2	11/26/2025 1:29:06 PM
88	CCV	0	3	11/26/2025 1:31:17 PM
89	CCB	0	4	11/26/2025 1:33:27 PM
90	WG2143304-1 WG2143304	2	4	11/26/2025 1:45:53 PM
91	WG2143304-2 WG2143304	2	5	11/26/2025 1:48:14 PM
92	xLDR 5 Be	2	3	11/26/2025 1:50:24 PM
93	LDR 2 Be	2	16	11/26/2025 1:56:18 PM
94	L2571707-01 WG2143304	2	11	11/26/2025 2:01:38 PM
95	L2572310-01 WG2143304	2	6	11/26/2025 2:03:57 PM
96	WG2143304-3 WG2143304	2	7	11/26/2025 2:06:07 PM
97	WG2143304-4 WG2143304	2	8	11/26/2025 2:08:16 PM
98	WG2143304-5 WG2143304	2	9	11/26/2025 2:10:26 PM
99	WG2143304-6D5 WG2143304	2	10	11/26/2025 2:12:36 PM
100	CCV	0	3	11/26/2025 2:14:46 PM
101	CCB	0	4	11/26/2025 2:16:56 PM
102	WG2145946-1 WG2145946	2	17	11/26/2025 2:39:50 PM
103	L2573121-30 WG2145946	2	27	11/26/2025 2:42:12 PM
104	L2573121-32 WG2145946	2	28	11/26/2025 2:44:22 PM
105	WG2145946-2 WG2145946	2	18	11/26/2025 2:46:33 PM
106	L2571778-01 WG2143304	2	12	11/26/2025 2:48:43 PM
107	L2572704-01 WG2145946	2	19	11/26/2025 2:50:53 PM
108	WG2145946-3 WG2145946	2	20	11/26/2025 2:53:03 PM
109	WG2145946-4 WG2145946	2	21	11/26/2025 2:55:14 PM
110	WG2145946-5 WG2145946	2	22	11/26/2025 2:57:24 PM
111	WG2145946-6D5 WG2145946	2	23	11/26/2025 2:59:34 PM
112	CCV	0	3	11/26/2025 3:01:45 PM
113	CCB	0	4	11/26/2025 3:03:55 PM
114	L2571778-02 WG2143304	2	13	11/26/2025 3:14:15 PM
115	L2572251-01 WG2143304	2	14	11/26/2025 3:16:36 PM
116	L2572310-02 WG2143304	2	15	11/26/2025 3:18:46 PM
117	L2572704-02 WG2145946	2	24	11/26/2025 3:20:56 PM
118	L2572704-03 WG2145946	2	25	11/26/2025 3:23:07 PM
119	L2572704-04 WG2145946	2	26	11/26/2025 3:25:18 PM
120	L2571758-04 WG2142353	2	31	11/26/2025 3:27:29 PM
121	L2571998-01 WG2142353	2	32	11/26/2025 3:29:39 PM
122	L2571998-02 WG2142353	2	33	11/26/2025 3:31:50 PM
123	L2571998-03 WG2142353	2	34	11/26/2025 3:34:01 PM
124	CCV	0	3	11/26/2025 3:36:11 PM
125	CCB	0	4	11/26/2025 3:38:22 PM
126	L2571758-02 WG2142353	2	29	11/26/2025 3:47:05 PM
127	L2571758-03 WG2142353	2	30	11/26/2025 3:49:26 PM
128	L2572235-24 WG2144562	2	35	11/26/2025 3:51:37 PM
129	WG2144562-3 WG2144562	2	36	11/26/2025 3:53:48 PM
130	WG2144562-4 WG2144562	2	37	11/26/2025 3:55:58 PM
131	WG2144562-5 WG2144562	2	38	11/26/2025 3:58:08 PM
132	WG2144562-6d5 WG2144562	2	39	11/26/2025 4:00:19 PM
133	CCV	0	3	11/26/2025 4:02:29 PM
134	CCB	0	4	11/26/2025 4:04:40 PM
135	x wrong spot	1	1	11/26/2025 4:17:31 PM
136	WG2142906-2 WG2142906	2	41	11/26/2025 4:19:53 PM
137	L2571346-20 WG2142906	2	52	11/26/2025 4:25:37 PM
138	L2571346-29 WG2142906	2	53	11/26/2025 4:27:55 PM
139	L2571998-04 WG2142906	2	54	11/26/2025 4:30:07 PM
140	L2571998-06 WG2142906	2	42	11/26/2025 4:32:17 PM

Sequence Trace 11

11/28/2025 5:15:19 AM

Index	Label	Rack Number	Vial Numbers	Start Time
141	WG2142906-3 WG2142906	2	43	11/26/2025 4:34:27 PM
142	WG2142906-4 WG2142906	2	44	11/26/2025 4:36:38 PM
143	WG2142906-5 WG2142906	2	45	11/26/2025 4:38:48 PM
144	WG2142906-6d5 WG2142906	2	46	11/26/2025 4:40:58 PM
145	CCV	0	3	11/26/2025 4:43:08 PM
146	CCB	0	4	11/26/2025 4:45:20 PM
147	WG2142906-1 WG2142906	2	40	11/26/2025 4:50:22 PM
148	L2571998-05 WG2142906	2	55	11/26/2025 4:52:33 PM
149	L2571998-07 WG2142906	2	56	11/26/2025 4:54:43 PM
150	L2571999-01 WG2142906	2	57	11/26/2025 4:56:54 PM
151	L2572318-01 WG2142906	2	47	11/26/2025 4:59:05 PM
152	WG2142906-7 WG2142906	2	48	11/26/2025 5:01:15 PM
153	WG2142906-8 WG2142906	2	49	11/26/2025 5:03:25 PM
154	WG2142906-9 WG2142906	2	50	11/26/2025 5:05:36 PM
155	WG2142906-10d5 WG2142906	2	51	11/26/2025 5:07:46 PM
156	CCV	0	3	11/26/2025 5:09:57 PM
157	CCB	0	4	11/26/2025 5:12:07 PM
158	L2571999-02 WG2142906	2	58	11/26/2025 5:22:57 PM
159	L2572318-03 WG2142906	2	59	11/26/2025 5:25:19 PM
160	L2572318-04 WG2142906	2	60	11/26/2025 5:27:33 PM
161	L2572318-05 WG2142906	3	1	11/26/2025 5:29:44 PM
162	L2572318-06 WG2142906	3	2	11/26/2025 5:31:54 PM
163	L2572318-07 WG2142906	3	3	11/26/2025 5:34:06 PM
164	L2572444-05 WG2142906	3	4	11/26/2025 5:36:16 PM
165	eL2572641-01d2 WG2142906	3	5	11/26/2025 5:38:28 PM
166	CCV	0	3	11/26/2025 5:42:14 PM
167	CCB	0	4	11/26/2025 5:44:25 PM
168	WG2143838-1 WG2143838	3	7	11/26/2025 6:07:52 PM
169	WG2144085-1 WG2144085	3	21	11/26/2025 6:10:10 PM
170	WG2143838-2 WG2143838	3	8	11/26/2025 6:12:23 PM
171	WG2144085-2 WG2144085	3	22	11/26/2025 6:14:34 PM
172	L2572641-01d10 WG2142906	3	6	11/26/2025 6:16:45 PM
173	L2571346-28 WG2143838	3	9	11/26/2025 6:18:56 PM
174	WG2143838-3 WG2143838	3	10	11/26/2025 6:21:07 PM
175	WG2143838-4 WG2143838	3	11	11/26/2025 6:23:18 PM
176	WG2143838-5 WG2143838	3	12	11/26/2025 6:25:29 PM
177	WG2143838-6d5 WG2143838	3	13	11/26/2025 6:27:40 PM
178	CCV	0	3	11/26/2025 6:29:51 PM
179	CCB	0	4	11/26/2025 6:32:02 PM
180	L2572641-01d20 WG2142906	3	29	11/26/2025 7:01:05 PM
181	L2571346-29 WG2143838	3	14	11/26/2025 7:03:27 PM
182	L2571346-32 WG2143838	3	17	11/26/2025 7:05:39 PM
183	L2571346-33 WG2143838	3	18	11/26/2025 7:07:52 PM
184	L2571346-34 WG2143838	3	19	11/26/2025 7:10:05 PM
185	L2573057-01 WG2144085	3	23	11/26/2025 7:12:16 PM
186	WG2144085-3 WG2144085	3	24	11/26/2025 7:14:28 PM
187	WG2144085-4 WG2144085	3	25	11/26/2025 7:16:39 PM
188	WG2144085-5 WG2144085	3	26	11/26/2025 7:18:50 PM
189	WG2144085-6d5 WG2144085	3	27	11/26/2025 7:21:03 PM
190	CCV	0	3	11/26/2025 7:23:14 PM
191	CCB	0	4	11/26/2025 7:25:25 PM
192	L2571346-30 WG2143838	3	15	11/26/2025 7:42:28 PM
193	L2571346-31 WG2143838	3	16	11/26/2025 7:44:58 PM
194	zL2571346-29 WG2144085	3	28	11/26/2025 7:47:10 PM
195	L2571346-35 WG2143838	3	20	11/26/2025 7:49:23 PM
196	L2573386-01 WG2145058	3	30	11/26/2025 7:51:35 PM
197	L2573529-01 WG2145058	3	31	11/26/2025 7:53:47 PM
198	L2573529-04 WG2145058	3	32	11/26/2025 7:55:58 PM
199	L2573529-07 WG2145058	3	33	11/26/2025 7:58:09 PM
200	L2573529-10 WG2145058	3	34	11/26/2025 8:00:21 PM
201	CCV	0	3	11/26/2025 8:02:34 PM
202	CCB	0	4	11/26/2025 8:04:46 PM
203	L2573529-13 WG2145058	3	35	11/26/2025 9:27:58 PM
204	L2573529-16 WG2145058	3	36	11/26/2025 9:30:22 PM
205	L2573529-19 WG2145058	3	37	11/26/2025 9:32:49 PM
206	L2573529-22 WG2145058	3	38	11/26/2025 9:35:07 PM
207	L2573529-25 WG2145058	3	39	11/26/2025 9:37:21 PM
208	L2573529-28 WG2145058	3	40	11/26/2025 9:39:38 PM
209	L2573529-31 WG2145058	3	41	11/26/2025 9:41:50 PM
210	CCV	0	3	11/26/2025 9:44:11 PM
211	CCB	0	4	11/26/2025 9:46:33 PM
212	WG2146097-1 WG2146097	3	42	11/26/2025 10:01:25 PM
213	WG2146097-2d2 WG2146097	3	43	11/26/2025 10:04:24 PM

Sequence Trace 11

11/28/2025 5:15:19 AM

Index	Label	Rack Number	Vial Numbers	Start Time
214	L2574361-07d2 WG2146097	3	49	11/26/2025 10:06:40 PM
215	L2574361-08d2 WG2146097	3	50	11/26/2025 10:09:02 PM
216	L2574361-09d2 WG2146097	3	51	11/26/2025 10:11:15 PM
217	L2574361-06d2 WG2146097	3	44	11/26/2025 10:13:37 PM
218	WG2146097-3d2 WG2146097	3	45	11/26/2025 10:15:59 PM
219	WG2146097-4d2 WG2146097	3	46	11/26/2025 10:18:15 PM
220	WG2146097-5d2 WG2146097	3	47	11/26/2025 10:20:28 PM
221	WG2146097-6d10 WG2146097	3	48	11/26/2025 10:22:56 PM
222	CCV	0	3	11/26/2025 10:25:23 PM
223	CCB	0	4	11/26/2025 10:27:49 PM
224	L2574361-10d2 WG2146097	3	52	11/26/2025 10:40:41 PM
225	L2574361-11d2 WG2146097	3	53	11/26/2025 10:43:22 PM
226	L2574361-12d2 WG2146097	3	54	11/26/2025 10:45:50 PM
227	L2574361-13d2 WG2146097	3	55	11/26/2025 10:48:29 PM
228	L2574361-14d2 WG2146097	3	56	11/26/2025 10:50:52 PM
229	L2574361-15d2 WG2146097	3	57	11/26/2025 10:53:06 PM
230	L2574361-16d2 WG2146097	3	58	11/26/2025 10:55:27 PM
231	L2574361-17d2 WG2146097	3	59	11/26/2025 10:57:58 PM
232	L2574361-18d2 WG2146097	3	60	11/26/2025 11:00:15 PM
233	L2574361-19d2 WG2146097	4	1	11/26/2025 11:02:37 PM
234	CCV	0	3	11/26/2025 11:05:07 PM
235	x software malfunction	0	4	11/26/2025 11:07:36 PM
236	CCV	0	3	11/26/2025 11:33:57 PM
237	CCB	0	4	11/26/2025 11:36:09 PM
238	LDR 500 Pb Pass	4	8	11/26/2025 11:38:29 PM
239	L2574361-20d2 WG2146097	4	2	11/26/2025 11:42:30 PM
240	L2574361-21d10 WG2146097	4	3	11/26/2025 11:44:46 PM
241	L2574361-22d2 WG2146097	4	4	11/26/2025 11:46:58 PM
242	L2574361-23d2 WG2146097	4	5	11/26/2025 11:49:10 PM
243	L2574898-15d2 WG2146097	4	6	11/26/2025 11:51:21 PM
244	L2574898-16d2 WG2146097	4	7	11/26/2025 11:53:33 PM
245	CCV	0	3	11/26/2025 11:55:44 PM
246	CCB	0	4	11/26/2025 11:57:56 PM
247	CCV	0	3	11/27/2025 12:00:08 AM
248	CCB	0	4	11/27/2025 12:02:19 AM

Sequence Trace 11

11/28/2025 6:47:46 PM

LabBook: WG2147204_11282025T11.imexp

Summary

Index	Label	Rack Number	Vial Numbers	Start Time
1	xBlank LRS Trace11	0	1	11/28/2025 6:12:38 AM
2	Blank LRS Trace11	0	1	11/28/2025 6:14:48 AM
3	ICAL	0	2	11/28/2025 6:16:57 AM
4	ICV	0	3	11/28/2025 6:22:28 AM
5	ICB	0	4	11/28/2025 6:24:44 AM
6	ICV	0	10	11/28/2025 6:26:53 AM
7	ICB	0	4	11/28/2025 6:29:02 AM
8	LLOQ	0	5	11/28/2025 6:31:11 AM
9	ICSA	0	6	11/28/2025 6:33:20 AM
10	SIC Multi (B and Si contamination)	0	7	11/28/2025 6:35:29 AM
11	LDR Check	0	8	11/28/2025 6:37:37 AM
12	LLOQ .005ppm As	1	1	11/28/2025 6:52:13 AM
13	LLOQ .01ppm Ni	1	2	11/28/2025 6:54:33 AM
14	zLLOQ .05ppm	1	3	11/28/2025 6:56:42 AM
15	LDR 5 As Pass	1	4	11/28/2025 6:58:51 AM
16	LDR 10 Sb Pass	1	5	11/28/2025 7:01:00 AM
17	CCV	0	3	11/28/2025 7:05:08 AM
18	CCB	0	4	11/28/2025 7:07:17 AM
19	WG2146092-1 WG2146092	1	6	11/28/2025 7:19:52 AM
20	WG2146092-2D2 WG2146092	1	7	11/28/2025 7:22:07 AM
21	L2574897-01D2 WG2146092	1	18	11/28/2025 7:24:16 AM
22	L2574897-02D2 WG2146092	1	19	11/28/2025 7:26:25 AM
23	L2574897-03D2 WG2146092	1	20	11/28/2025 7:28:34 AM
24	L2574898-13D2 WG2146092	1	8	11/28/2025 7:30:42 AM
25	WG2146092-3D2 WG2146092	1	9	11/28/2025 7:32:51 AM
26	WG2146092-4D2 WG2146092	1	10	11/28/2025 7:35:00 AM
27	WG2146092-5D2 WG2146092	1	11	11/28/2025 7:37:09 AM
28	WG2146092-6D10 WG2146092	1	12	11/28/2025 7:39:18 AM
29	CCV	0	3	11/28/2025 7:41:27 AM
30	CCB	0	4	11/28/2025 7:43:36 AM
31	L2574897-04D2 WG2146092	1	21	11/28/2025 7:46:01 AM
32	L2574897-05D2 WG2146092	1	22	11/28/2025 7:48:10 AM
33	L2574897-06D2 WG2146092	1	23	11/28/2025 7:50:18 AM
34	L2574898-01D2 WG2146092	1	24	11/28/2025 7:52:27 AM
35	L2574898-02D2 WG2146092	1	25	11/28/2025 7:54:36 AM
36	L2574898-14D2 WG2146092	1	13	11/28/2025 7:56:45 AM
37	WG2146092-7D2 WG2146092	1	14	11/28/2025 7:58:54 AM
38	WG2146092-8D2 WG2146092	1	15	11/28/2025 8:01:03 AM
39	WG2146092-9D2 WG2146092	1	16	11/28/2025 8:03:12 AM
40	WG2146092-10D10 WG2146092	1	17	11/28/2025 8:05:22 AM
41	CCV	0	3	11/28/2025 8:07:31 AM
42	CCB	0	4	11/28/2025 8:09:40 AM
43	L2574898-03D2 WG2146092	1	26	11/28/2025 8:16:08 AM
44	L2574898-04D2 WG2146092	1	27	11/28/2025 8:18:23 AM
45	L2574898-05D2 WG2146092	1	28	11/28/2025 8:20:32 AM
46	L2574898-06D2 WG2146092	1	29	11/28/2025 8:22:41 AM
47	L2574898-07D2 WG2146092	1	30	11/28/2025 8:24:50 AM
48	L2574898-08D2 WG2146092	1	31	11/28/2025 8:26:59 AM
49	L2574898-09D2 WG2146092	1	32	11/28/2025 8:29:08 AM
50	L2574898-10D2 WG2146092	1	33	11/28/2025 8:31:17 AM
51	L2574898-11D2 WG2146092	1	34	11/28/2025 8:33:26 AM
52	L2574898-12D2 WG2146092	1	35	11/28/2025 8:35:35 AM
53	CCV	0	3	11/28/2025 8:37:44 AM
54	CCB	0	4	11/28/2025 8:39:54 AM
55	LDR 300 Fe Pass	1	37	11/28/2025 8:43:14 AM
56	L2574361-15D2 WG2146097	1	36	11/28/2025 8:53:19 AM
57	L2575694-06D2 WG2147040	1	48	11/28/2025 8:56:22 AM
58	CCV	0	3	11/28/2025 8:58:32 AM
59	CCB	0	4	11/28/2025 9:00:41 AM
60	WG2147040-1 WG2147040	1	38	11/28/2025 9:31:19 AM
61	WG2147040-2D2 WG2147040	1	39	11/28/2025 9:33:39 AM
62	WG2147040-3D2 WG2147040	1	40	11/28/2025 9:35:49 AM
63	L2575694-01D2 WG2147040	1	46	11/28/2025 9:37:58 AM
64	L2575694-02D2 WG2147040	1	47	11/28/2025 9:40:08 AM
65	L2575694-03D2 WG2147040	1	41	11/28/2025 9:42:17 AM
66	zWG2147040-4D2 WG2147040	1	42	11/28/2025 9:44:27 AM
67	WG2147040-5D2 WG2147040	1	43	11/28/2025 9:46:36 AM

Sequence Trace 11

11/28/2025 6:47:46 PM

Index	Label	Rack Number	Vial Numbers	Start Time
68	WG2147040-6D2 WG2147040	1	44	11/28/2025 9:48:45 AM
69	WG2147040-7D10 WG2147040	1	45	11/28/2025 9:50:55 AM
70	CCV	0	3	11/28/2025 9:53:04 AM
71	CCB	0	4	11/28/2025 9:55:14 AM
72	L2571841-01 WG2143049	1	49	11/28/2025 11:14:51 AM
73	L2571841-02 WG2143049	1	50	11/28/2025 11:17:12 AM
74	L2571841-03 WG2143049	1	51	11/28/2025 11:19:21 AM
75	L2571841-04 WG2143049	1	52	11/28/2025 11:21:30 AM
76	L2571841-05 WG2143049	1	53	11/28/2025 11:23:40 AM
77	L2571841-06 WG2143049	1	54	11/28/2025 11:25:49 AM
78	L2571998-09 WG2143049	1	55	11/28/2025 11:27:59 AM
79	L2571998-10 WG2143049	1	56	11/28/2025 11:30:09 AM
80	L2574432-01D2 WG2145767	1	57	11/28/2025 11:39:15 AM
81	L2574432-02D2 WG2145767	1	58	11/28/2025 11:41:31 AM
82	CCV	0	3	11/28/2025 11:50:49 AM
83	CCB	0	4	11/28/2025 11:53:09 AM
84	L2574432-03D2 WG2145767	1	59	11/28/2025 11:59:04 AM
85	L2574432-04D2 WG2145767	1	60	11/28/2025 12:01:22 PM
86	L2574432-05D2 WG2145767	2	1	11/28/2025 12:03:32 PM
87	L2574432-06D2 WG2145767	2	2	11/28/2025 12:05:41 PM
88	L2574432-07D2 WG2145767	2	3	11/28/2025 12:07:51 PM
89	L2574432-08D2 WG2145767	2	4	11/28/2025 12:10:01 PM
90	L2574432-09D2 WG2145767	2	5	11/28/2025 12:12:10 PM
91	eL2574432-10D2 WG2145767	2	6	11/28/2025 12:14:20 PM
92	L2574432-11D2 WG2145767	2	7	11/28/2025 12:16:30 PM
93	L2574497-01D2 WG2145767	2	8	11/28/2025 12:18:39 PM
94	CCV	0	3	11/28/2025 12:29:22 PM
95	CCB	0	4	11/28/2025 12:31:43 PM
96	CCV	0	3	11/28/2025 12:47:08 PM
97	CCB	0	4	11/28/2025 12:49:29 PM
98	L2574497-02D2 WG2145767	2	9	11/28/2025 12:52:38 PM
99	L2574497-03D2 WG2145767	2	10	11/28/2025 12:54:48 PM
100	WG2147040-4D2 WG2147040	2	11	11/28/2025 12:56:58 PM
101	LDR 1000 Ca	2	12	11/28/2025 12:59:08 PM
102	L2574432-10D10 WG2145767	2	13	11/28/2025 1:09:45 PM
103	L2574497-02D4 WG2145767	2	14	11/28/2025 1:12:06 PM
104	CCV	0	3	11/28/2025 1:18:30 PM
105	CCB	0	4	11/28/2025 1:20:46 PM
106	WG2146050-1 WG2146050	2	15	11/28/2025 1:23:03 PM
107	WG2146050-2D2 WG2146050	2	16	11/28/2025 1:25:13 PM
108	eL2573385-01D2 WG2146050	2	17	11/28/2025 1:27:23 PM
109	eWG2146050-7D2 WG2146050	2	18	11/28/2025 1:29:33 PM
110	eWG2146050-8D2 WG2146050	2	19	11/28/2025 1:31:42 PM
111	eWG2146050-9D2 WG2146050	2	20	11/28/2025 1:33:52 PM
112	zWG2146050-10D10 WG2146050	2	21	11/28/2025 1:36:02 PM
113	CCV	0	3	11/28/2025 1:51:28 PM
114	CCB	0	4	11/28/2025 1:53:48 PM
115	L2573385-01D10 WG2146050	2	22	11/28/2025 2:08:06 PM
116	WG2146050-7D10 WG2146050	2	23	11/28/2025 2:10:23 PM
117	WG2146050-8D10 WG2146050	2	24	11/28/2025 2:12:33 PM
118	WG2146050-9D10 WG2146050	2	25	11/28/2025 2:14:43 PM
119	WG2146050-10D50 WG2146050	2	26	11/28/2025 2:16:53 PM
120	eL2573385-02D2 WG2146050	2	27	11/28/2025 2:19:02 PM
121	eL2574361-01D2 WG2146050	2	28	11/28/2025 2:21:12 PM
122	L2574361-02D2 WG2146050	2	29	11/28/2025 2:23:22 PM
123	L2574361-03D2 WG2146050	2	30	11/28/2025 2:25:31 PM
124	L2574361-04D2 WG2146050	2	31	11/28/2025 2:27:41 PM
125	CCV	0	3	11/28/2025 2:29:51 PM
126	CCB	0	4	11/28/2025 2:32:01 PM
127	L2574361-05D2 WG2146050	2	32	11/28/2025 2:35:35 PM
128	L2574432-12D2 WG2146050	2	33	11/28/2025 2:37:49 PM
129	L2573385-02D10 WG2146050	2	34	11/28/2025 2:39:59 PM
130	L2574361-01D4 WG2146050	2	35	11/28/2025 2:42:09 PM
131	eL2572667-15D2 WG2146050	2	36	11/28/2025 2:49:16 PM
132	WG2146050-3d10 WG2146050	2	37	11/28/2025 3:19:47 PM
133	L2572667-15d10 WG2146050	2	38	11/28/2025 3:22:41 PM
134	WG2146050-4D10 WG2146050	2	39	11/28/2025 3:24:56 PM
135	WG2146050-5D10 WG2146050	2	40	11/28/2025 3:27:06 PM
136	WG2146050-6D50 WG2146050	2	41	11/28/2025 3:29:16 PM
137	CCV	0	3	11/28/2025 3:31:26 PM
138	CCB	0	4	11/28/2025 3:33:36 PM
139	WG2147181-1 WG2147181	2	42	11/28/2025 3:48:33 PM
140	WG2147181-2 WG2147181	2	43	11/28/2025 3:50:54 PM

Sequence Trace 11

11/28/2025 6:47:46 PM

Index	Label	Rack Number	Vial Numbers	Start Time
141	L2575346-01 WG2147181	2	49	11/28/2025 3:53:04 PM
142	L2575346-02 WG2147181	2	50	11/28/2025 3:55:14 PM
143	L2575359-01 WG2147181	2	51	11/28/2025 3:57:24 PM
144	L2575402-01 WG2147181	2	44	11/28/2025 3:59:34 PM
145	WG2147181-3 WG2147181	2	45	11/28/2025 4:01:45 PM
146	WG2147181-4 WG2147181	2	46	11/28/2025 4:03:55 PM
147	WG2147181-5 WG2147181	2	47	11/28/2025 4:06:05 PM
148	WG2147181-6D5 WG2147181	2	48	11/28/2025 4:08:15 PM
149	CCV	0	3	11/28/2025 4:10:26 PM
150	CCB	0	4	11/28/2025 4:12:36 PM
151	WG2147184-1 WG2147184	2	52	11/28/2025 4:25:43 PM
152	WG2147184-2d2 WG2147184	2	53	11/28/2025 4:28:05 PM
153	L2575492-01d2 WG2147184	2	54	11/28/2025 4:30:15 PM
154	WG2147184-3d2 WG2147184	2	55	11/28/2025 4:32:25 PM
155	WG2147184-4d2 WG2147184	2	56	11/28/2025 4:34:35 PM
156	WG2147184-5d2 WG2147184	2	57	11/28/2025 4:36:45 PM
157	WG2147184-6d10 WG2147184	2	58	11/28/2025 4:38:55 PM
158	L2575492-02d2 WG2147184	2	59	11/28/2025 4:41:06 PM
159	L2575492-03d2 WG2147184	2	60	11/28/2025 4:43:16 PM
160	L2575492-04d2 WG2147184	3	1	11/28/2025 4:45:26 PM
161	CCV	0	3	11/28/2025 4:47:36 PM
162	CCB	0	4	11/28/2025 4:49:46 PM
163	xWG2147184-1 WG2147184	2	52	11/28/2025 5:01:29 PM
164	L2575492-05d2 WG2147184	3	2	11/28/2025 5:03:51 PM
165	L2575492-06d2 WG2147184	3	3	11/28/2025 5:06:01 PM
166	L2575492-07d2 WG2147184	3	4	11/28/2025 5:08:11 PM
167	L2575492-08d2 WG2147184	3	5	11/28/2025 5:10:22 PM
168	CCV	0	3	11/28/2025 5:12:33 PM
169	CCB	0	4	11/28/2025 5:14:43 PM
170	WG2145172-1 WG2145172	3	6	11/28/2025 5:18:42 PM
171	WG2145172-2d2 WG2145172	3	7	11/28/2025 5:20:57 PM
172	L2573952-15d2 WG2145172	3	8	11/28/2025 5:23:08 PM
173	WG2145172-3d2 WG2145172	3	9	11/28/2025 5:25:18 PM
174	WG2145172-4d2 WG2145172	3	10	11/28/2025 5:27:28 PM
175	WG2145172-5d2 WG2145172	3	11	11/28/2025 5:29:41 PM
176	WG2145172-6d10 WG2145172	3	12	11/28/2025 5:31:51 PM
177	L2571628-13d2 WG2145172	3	13	11/28/2025 5:34:02 PM
178	L2572956-01d2 WG2145172	3	14	11/28/2025 5:36:12 PM
179	L2573952-01d2 WG2145172	3	15	11/28/2025 5:38:22 PM
180	CCV	0	3	11/28/2025 5:40:32 PM
181	CCB	0	4	11/28/2025 5:42:43 PM
182	WG2145172-1 WG2145172	3	6	11/28/2025 5:48:44 PM
183	L2573952-05d2 WG2145172	3	16	11/28/2025 5:51:03 PM
184	L2573952-13d2 WG2145172	3	17	11/28/2025 5:53:13 PM
185	L2573984-01d2 WG2145172	3	18	11/28/2025 5:55:24 PM
186	L2573984-02d2 WG2145172	3	19	11/28/2025 5:57:35 PM
187	L2573984-03d2 WG2145172	3	20	11/28/2025 5:59:45 PM
188	L2573984-04d2 WG2145172	3	21	11/28/2025 6:01:56 PM
189	L2573984-05d2 WG2145172	3	22	11/28/2025 6:04:06 PM
190	L2573984-06d2 WG2145172	3	23	11/28/2025 6:06:17 PM
191	L2573984-07d2 WG2145172	3	24	11/28/2025 6:08:27 PM
192	CCV	0	3	11/28/2025 6:10:39 PM
193	CCB	0	4	11/28/2025 6:12:50 PM
194	L2573984-08d2 WG2145172	3	25	
195	L2573984-09d2 WG2145172	3	26	
196	L2573984-10d2 WG2145172	3	27	
197	L2573984-11d2 WG2145172	3	28	
198	L2573984-13d2 WG2145172	3	29	
199	L2573984-14d2 WG2145172	3	30	
200	L2573984-15d2 WG2145172	3	31	
201	CCV	0	3	
202	CCB	0	4	

METALS ELN REPORT

Workgroup: WG2146092

Digestion

Prep Method	Acid Type 1	Acid 1 Lot	Acid Type 2	Acid 2 Lot	Spike Type	Lims Spike Lot	Spike Lot	Post Spike Spikelot	Spike Lot	Srm Spikelot	Use Srm For Lcs	Use Srm For	Use Srm For	Use Srm For
EPA 3050B	HCL	24022537	HNO3	24022825	METALS	METSPIKE3	IPS, FPS, MIX	METSPIKE3	IPS, FPS, MIX	NA	N	396,397		

Additional Reagent/Std	H2O2	25F2356537

Sample/ Type	Digestion Date	Analyst	Sample Weight g	Balance Id	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2574897-01 SOIL	11/25/25 02:47	Christine Hamor	1.268	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
L2574897-02 SOIL	11/25/25 02:47	Christine Hamor	1.262	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
L2574897-03 SOIL	11/25/25 02:47	Christine Hamor	1.305	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
L2574897-04 SOIL	11/25/25 02:47	Christine Hamor	1.313	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
L2574897-05 SOIL	11/25/25 02:47	Christine Hamor	1.282	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
L2574897-06 SOIL	11/25/25 02:47	Christine Hamor	1.274	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
L2574898-01 SAMP	11/25/25 02:47	Christine Hamor	1.280	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
L2574898-02 SAMP	11/25/25 02:47	Christine Hamor	1.288	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
L2574898-03 SAMP	11/25/25 02:47	Christine Hamor	1.291	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
L2574898-04 SAMP	11/25/25 02:47	Christine Hamor	1.290	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	

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METALS ELN REPORT

1400

Workgroup: WG2146092

Sample/ Type	Digestion Date	Analyst	Sample Weight g	Balance Id	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2574898-05 SAMP	11/25/25 02:47	Christine Hamor	1.310	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
L2574898-06 SAMP	11/25/25 02:47	Christine Hamor	1.292	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
L2574898-07 SAMP	11/25/25 02:47	Christine Hamor	1.287	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
L2574898-08 SAMP	11/25/25 02:47	Christine Hamor	1.316	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
L2574898-09 SAMP	11/25/25 02:47	Christine Hamor	1.304	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
L2574898-10 SAMP	11/25/25 02:47	Christine Hamor	1.287	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
L2574898-11 SAMP	11/25/25 02:47	Christine Hamor	1.324	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
L2574898-12 SAMP	11/25/25 02:47	Christine Hamor	1.275	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
L2574898-13 SAMP	11/25/25 02:47	Christine Hamor	1.309	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
L2574898-14 SAMP	11/25/25 02:47	Christine Hamor	1.300	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
WG2146092-1 BLANK	11/25/25 02:47	Christine Hamor	1.250	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	FM102125AJTV3
WG2146092-2 LCS	11/25/25 02:47	Christine Hamor	1.250	20	1.0	11/25/25 02:47	2082	94.2	11/25/25 04:31	50	Boiling Stones: 33762618

METALS ELN REPORT

Workgroup: WG2146092

Sample/ Type	Digestion Date	Analyst	Sample Weight g	Balance Id	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
WG2146092-3 MS	11/25/25 02:47	Christine Hamor	1.321	20	1.0	11/25/25 02:47	2082	94.2	11/25/25 04:31	50	ELN check: ARM
WG2146092-4 MSD	11/25/25 02:47	Christine Hamor	1.328	20	1.0	11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
WG2146092-5 PS	11/25/25 02:47	Christine Hamor	1.309	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
WG2146092-6 SERDIL	11/25/25 02:47	Christine Hamor	1.309	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
WG2146092-7 MS	11/25/25 02:47	Christine Hamor	1.286	20	1.0	11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
WG2146092-8 MSD	11/25/25 02:47	Christine Hamor	1.293	20	1.0	11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
WG2146092-9 PS	11/25/25 02:47	Christine Hamor	1.300	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
WG2146092-10 SERDIL	11/25/25 02:47	Christine Hamor	1.300	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	IPS101525CBP

Reagent	Actual Volume	Units
Nitric Acid (HNO3)	2	ml
Hydrochloric Acid (HCl)	3	ml

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METALS ELN REPORT

Workgroup: WG2146097

Digestion

Prep Method	Acid Type 1	Acid 1 Lot	Acid Type 2	Acid 2 Lot	Spike Type	Lims Spike Lot	Spike Lot	Post Spike Spikelot	Spike Lot	Srm Spikelot	Use Srm For Lcs	Use Srm For	Use Srm For	Use Srm For
EPA 3050B	HCL	24022537	HNO3	24022825	METALS	METSPIKE3	IPS, FPS, MIX	METSPIKE3	IPS, FPS, MIX	NA	N	392,211		

Additional Reagent/Std	H2O2	25F2356537

Sample/ Type	Digestion Date	Analyst	Sample Weight g	Balance Id	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2574361-06 SAMP	11/25/25 07:57	Ronald Gaynor	1.282	26		11/25/25 07:57	15	95	11/25/25 09:16	50	
L2574361-07 SAMP	11/25/25 07:57	Ronald Gaynor	1.325	26		11/25/25 07:57	15	95	11/25/25 09:16	50	
L2574361-08 SAMP	11/25/25 07:57	Ronald Gaynor	1.309	26		11/25/25 07:57	15	95	11/25/25 09:16	50	
L2574361-09 SAMP	11/25/25 07:57	Ronald Gaynor	1.260	26		11/25/25 07:57	15	95	11/25/25 09:16	50	
L2574361-10 SAMP	11/25/25 07:57	Ronald Gaynor	1.272	26		11/25/25 07:57	15	95	11/25/25 09:16	50	
L2574361-11 SAMP	11/25/25 07:57	Ronald Gaynor	1.251	26		11/25/25 07:57	15	95	11/25/25 09:16	50	
L2574361-12 SAMP	11/25/25 07:57	Ronald Gaynor	1.285	26		11/25/25 07:57	15	95	11/25/25 09:16	50	
L2574361-13 SAMP	11/25/25 07:57	Ronald Gaynor	1.275	26		11/25/25 07:57	15	95	11/25/25 09:16	50	
L2574361-14 SAMP	11/25/25 07:57	Ronald Gaynor	1.267	26		11/25/25 07:57	15	95	11/25/25 09:16	50	
L2574361-15 SAMP	11/25/25 07:57	Ronald Gaynor	1.279	26		11/25/25 07:57	15	95	11/25/25 09:16	50	

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METALS ELN REPORT

Workgroup: WG2146097

Sample/ Type	Digestion Date	Analyst	Sample Weight g	Balance Id	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2574361-16 SAMP	11/25/25 07:57	Ronald Gaynor	1.299	26		11/25/25 07:57	15	95	11/25/25 09:16	50	
L2574361-17 SAMP	11/25/25 07:57	Ronald Gaynor	1.280	26		11/25/25 07:57	15	95	11/25/25 09:16	50	
L2574361-18 SAMP	11/25/25 07:57	Ronald Gaynor	1.297	26		11/25/25 07:57	15	95	11/25/25 09:16	50	
L2574361-19 SAMP	11/25/25 07:57	Ronald Gaynor	1.251	26		11/25/25 07:57	15	95	11/25/25 09:16	50	
L2574361-20 SAMP	11/25/25 07:57	Ronald Gaynor	1.290	26		11/25/25 07:57	15	95	11/25/25 09:16	50	
L2574361-21 SAMP	11/25/25 07:57	Ronald Gaynor	1.295	26		11/25/25 07:57	15	95	11/25/25 09:16	50	
L2574361-22 SAMP	11/25/25 07:57	Ronald Gaynor	1.272	26		11/25/25 07:57	15	95	11/25/25 09:16	50	
L2574361-23 SAMP	11/25/25 07:57	Ronald Gaynor	1.321	26		11/25/25 07:57	15	95	11/25/25 09:16	50	
L2574898-15 SAMP	11/25/25 07:57	Ronald Gaynor	1.323	26		11/25/25 07:57	15	95	11/25/25 09:16	50	
L2574898-16 SAMP	11/25/25 07:57	Ronald Gaynor	1.286	26		11/25/25 07:57	15	95	11/25/25 09:16	50	
WG2146097-1 BLANK	11/25/25 07:57	Ronald Gaynor	1.250	26		11/25/25 07:57	15	95	11/25/25 09:16	50	FM102125AJTV3
WG2146097-2 LCS	11/25/25 07:57	Ronald Gaynor	1.250	26	1	11/25/25 07:57	15	95	11/25/25 09:16	50	IPS101525CBP

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METALS ELN REPORT

Workgroup: WG2146097

Sample/ Type	Digestion Date	Analyst	Sample Weight g	Balance Id	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
WG2146097-3 MS	11/25/25 07:57	Ronald Gaynor	1.257	26	1	11/25/25 07:57	15	95	11/25/25 09:16	50	B STONES 33762618
WG2146097-4 MSD	11/25/25 07:57	Ronald Gaynor	1.290	26	1	11/25/25 07:57	15	95	11/25/25 09:16	50	ELN: SAM
WG2146097-5 PS	11/25/25 07:57	Ronald Gaynor	1.282	26		11/25/25 07:57	15	95	11/25/25 09:16	50	
WG2146097-6 SERDIL	11/25/25 07:57	Ronald Gaynor	1.282	26		11/25/25 07:57	15	95	11/25/25 09:16	50	

Reagent	Actual Volume	Units
Nitric Acid (HNO3)	2	ml
Hydrochloric Acid (HCl)	3	ml

Reported: 28-NOV-25 08:20 PM

Inorganic Data
(Mercury Analysis)

Form 1
METALS

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Lab ID	: L2574898-15	**Date Collected**	: 11/17/25 00:00
Client ID	: DUP-1	**Date Received**	: 11/21/25
Sample Location	:	**Date Analyzed**	: 11/25/25 10:12
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7471B	**Analyst**	: JWN
Lab File ID	: WG2146214.pdf	**Instrument ID**	: NIC3
Sample Amount	: 0.37g	**%Solids**	: 75
Digestion Method	: EPA 7471B	**Date Digested**	: 11/25/25

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	0.148	0.090	0.059	

Form 1
METALS

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Lab ID	: L2574898-16	**Date Collected**	: 11/17/25 00:00
Client ID	: DUP-2	**Date Received**	: 11/21/25
Sample Location	:	**Date Analyzed**	: 11/25/25 10:15
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7471B	**Analyst**	: JWN
Lab File ID	: WG2146214.pdf	**Instrument ID**	: NIC3
Sample Amount	: 0.37g	**%Solids**	: 85
Digestion Method	: EPA 7471B	**Date Digested**	: 11/25/25

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	0.151	0.079	0.052	

Form 1
METALS

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Lab ID	: WG2146078-1	**Date Collected**	: NA
Client ID	: WG2146078-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/25/25 08:59
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7471B	**Analyst**	: JWN
Lab File ID	: WG2146214.pdf	**Instrument ID**	: NIC3
Sample Amount	: 0.3g	**%Solids**	: NA
Digestion Method	: EPA 7471B	**Date Digested**	: 11/25/25

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	0.056	0.083	0.054	J

Form 1
METALS

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Lab ID	: WG2146078-4	**Date Collected**	: 10/29/25 10:00
Client ID	: WG2146078-4 DUP	**Date Received**	: 10/29/25
Sample Location	:	**Date Analyzed**	: 11/25/25 09:19
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7471B	**Analyst**	: JWN
Lab File ID	: WG2146214.pdf	**Instrument ID**	: NIC3
Sample Amount	: 0.36g	**%Solids**	: 89
Digestion Method	: EPA 7471B	**Date Digested**	: 11/25/25

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	0.059	0.078	0.051	J

Form 1
METALS

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Lab ID	: L2574898-01	**Date Collected**	: 11/17/25 13:10
Client ID	: C-2 (0-2IN)	**Date Received**	: 11/21/25
Sample Location	:	**Date Analyzed**	: 11/26/25 12:44
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7471B	**Analyst**	: CME
Lab File ID	: WG2146906.pdf	**Instrument ID**	: NIC2
Sample Amount	: 0.356g	**%Solids**	: 80
Digestion Method	: EPA 7471B	**Date Digested**	: 11/25/25

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.088	0.057	U

Form 1
METALS

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Lab ID	: L2574898-02	**Date Collected**	: 11/17/25 13:15
Client ID	: C-2 (2-12IN)	**Date Received**	: 11/21/25
Sample Location	:	**Date Analyzed**	: 11/26/25 12:47
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7471B	**Analyst**	: CME
Lab File ID	: WG2146906.pdf	**Instrument ID**	: NIC2
Sample Amount	: 0.383g	**%Solids**	: 83
Digestion Method	: EPA 7471B	**Date Digested**	: 11/25/25

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.078	0.051	U

Form 1
METALS

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Lab ID	: L2574898-03	**Date Collected**	: 11/17/25 14:00
Client ID	: C-3 (0-2IN)	**Date Received**	: 11/21/25
Sample Location	:	**Date Analyzed**	: 11/26/25 12:50
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7471B	**Analyst**	: CME
Lab File ID	: WG2146906.pdf	**Instrument ID**	: NIC2
Sample Amount	: 0.365g	**%Solids**	: 75
Digestion Method	: EPA 7471B	**Date Digested**	: 11/25/25

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.092	0.060	U

Form 1
METALS

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Lab ID	: L2574898-04	**Date Collected**	: 11/17/25 14:05
Client ID	: C-3 (2-12IN)	**Date Received**	: 11/21/25
Sample Location	:	**Date Analyzed**	: 11/26/25 12:54
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7471B	**Analyst**	: CME
Lab File ID	: WG2146906.pdf	**Instrument ID**	: NIC2
Sample Amount	: 0.398g	**%Solids**	: 86
Digestion Method	: EPA 7471B	**Date Digested**	: 11/25/25

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.073	0.048	U

Form 1
METALS

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Lab ID	: L2574898-05	**Date Collected**	: 11/17/25 09:50
Client ID	: E-4 (0-2IN)	**Date Received**	: 11/21/25
Sample Location	:	**Date Analyzed**	: 11/26/25 12:57
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7471B	**Analyst**	: CME
Lab File ID	: WG2146906.pdf	**Instrument ID**	: NIC2
Sample Amount	: 0.378g	**%Solids**	: 77
Digestion Method	: EPA 7471B	**Date Digested**	: 11/25/25

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.086	0.056	U

Form 1
METALS

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Lab ID	: L2574898-06	**Date Collected**	: 11/17/25 09:55
Client ID	: E-4 (2-12IN)	**Date Received**	: 11/21/25
Sample Location	:	**Date Analyzed**	: 11/26/25 13:00
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7471B	**Analyst**	: CME
Lab File ID	: WG2146906.pdf	**Instrument ID**	: NIC2
Sample Amount	: 0.344g	**%Solids**	: 83
Digestion Method	: EPA 7471B	**Date Digested**	: 11/25/25

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.088	0.057	U

Form 1
METALS

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Lab ID	: L2574898-07	**Date Collected**	: 11/17/25 10:10
Client ID	: E-1 (0-2IN)	**Date Received**	: 11/21/25
Sample Location	:	**Date Analyzed**	: 11/26/25 13:10
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7471B	**Analyst**	: CME
Lab File ID	: WG2146906.pdf	**Instrument ID**	: NIC2
Sample Amount	: 0.388g	**%Solids**	: 75
Digestion Method	: EPA 7471B	**Date Digested**	: 11/25/25

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.086	0.056	U

Form 1
METALS

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Lab ID	: L2574898-08	**Date Collected**	: 11/17/25 10:30
Client ID	: E-1 (2-12IN)	**Date Received**	: 11/21/25
Sample Location	:	**Date Analyzed**	: 11/26/25 13:14
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7471B	**Analyst**	: CME
Lab File ID	: WG2146906.pdf	**Instrument ID**	: NIC2
Sample Amount	: 0.353g	**%Solids**	: 83
Digestion Method	: EPA 7471B	**Date Digested**	: 11/25/25

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.086	0.056	U

Form 1
METALS

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Lab ID	: L2574898-09	**Date Collected**	: 11/17/25 11:25
Client ID	: C-1 (0-2IN)	**Date Received**	: 11/21/25
Sample Location	:	**Date Analyzed**	: 11/26/25 13:17
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7471B	**Analyst**	: CME
Lab File ID	: WG2146906.pdf	**Instrument ID**	: NIC2
Sample Amount	: 0.34g	**%Solids**	: 80
Digestion Method	: EPA 7471B	**Date Digested**	: 11/25/25

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.092	0.060	U

Form 1
METALS

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Lab ID	: L2574898-10	**Date Collected**	: 11/17/25 11:30
Client ID	: C-1 (2-12IN)	**Date Received**	: 11/21/25
Sample Location	:	**Date Analyzed**	: 11/26/25 13:20
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7471B	**Analyst**	: CME
Lab File ID	: WG2146906.pdf	**Instrument ID**	: NIC2
Sample Amount	: 0.37g	**%Solids**	: 88
Digestion Method	: EPA 7471B	**Date Digested**	: 11/25/25

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.077	0.050	U

Form 1
METALS

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Lab ID	: L2574898-11	**Date Collected**	: 11/17/25 11:45
Client ID	: B-1 (0-2IN)	**Date Received**	: 11/21/25
Sample Location	:	**Date Analyzed**	: 11/26/25 13:24
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7471B	**Analyst**	: CME
Lab File ID	: WG2146906.pdf	**Instrument ID**	: NIC2
Sample Amount	: 0.366g	**%Solids**	: 79
Digestion Method	: EPA 7471B	**Date Digested**	: 11/25/25

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	0.085	0.086	0.056	J

Form 1
METALS

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Lab ID	: L2574898-12	**Date Collected**	: 11/17/25 11:50
Client ID	: B-1 (2-12IN)	**Date Received**	: 11/21/25
Sample Location	:	**Date Analyzed**	: 11/26/25 13:27
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7471B	**Analyst**	: CME
Lab File ID	: WG2146906.pdf	**Instrument ID**	: NIC2
Sample Amount	: 0.394g	**%Solids**	: 89
Digestion Method	: EPA 7471B	**Date Digested**	: 11/25/25

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	0.082	0.072	0.047	

Form 1
METALS

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Lab ID	: L2574898-13	**Date Collected**	: 11/17/25 12:35
Client ID	: B-2 (0-2IN)	**Date Received**	: 11/21/25
Sample Location	:	**Date Analyzed**	: 11/26/25 11:58
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7471B	**Analyst**	: CME
Lab File ID	: WG2146906.pdf	**Instrument ID**	: NIC2
Sample Amount	: 0.374g	**%Solids**	: 84
Digestion Method	: EPA 7471B	**Date Digested**	: 11/25/25

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	0.099	0.080	0.052	

Form 1
METALS

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Lab ID	: L2574898-14	**Date Collected**	: 11/17/25 12:40
Client ID	: B-2 (2-12IN)	**Date Received**	: 11/21/25
Sample Location	:	**Date Analyzed**	: 11/26/25 12:07
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7471B	**Analyst**	: CME
Lab File ID	: WG2146906.pdf	**Instrument ID**	: NIC2
Sample Amount	: 0.392g	**%Solids**	: 83
Digestion Method	: EPA 7471B	**Date Digested**	: 11/25/25

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	0.101	0.077	0.050	

Form 1
METALS

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Lab ID	: WG2146094-1	**Date Collected**	: NA
Client ID	: WG2146094-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/26/25 11:51
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7471B	**Analyst**	: CME
Lab File ID	: WG2146906.pdf	**Instrument ID**	: NIC2
Sample Amount	: 0.3g	**%Solids**	: NA
Digestion Method	: EPA 7471B	**Date Digested**	: 11/25/25

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.083	0.054	U

Form 2A
Initial and Continuing Calibration Verification

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Instrument ID	: NIC3	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :	R2040705-1			R2040705-3			R2040705-5		R2040705-7	
Date Analyzed :	11/25/25 07:30			11/25/25 09:02			11/25/25 09:42		11/25/25 11:13	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Mercury	0.00300	0.0027	91	0.0100	0.0110	110	0.0112	112	0.0111	111

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Instrument ID	: NIC2	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :	R2041318-1			R2041318-3			R2041318-5		R2041318-7	
Date Analyzed :	11/26/25 11:14			11/26/25 12:24			11/26/25 13:04		11/26/25 14:43	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Mercury	0.00300	0.0028	93	0.0100	0.0107	107	0.0106	106	0.0105	105

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)

Form 3
Blanks

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Instrument ID	: NIC3		

		Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID	:	R2040705-2		R2040705-4		R2040705-6		R2040705-8		WG2146078-1	
Date Analyzed	:	11/25/25 07:33		11/25/25 09:06		11/25/25 09:45		11/25/25 11:17		11/25/25 08:59	
Parameter		mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q	mg/kg	Q
Mercury		0.000326	U	0.000326	U	0.000326	U	0.000326	U	0.056	J

Form 3
Blanks

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Instrument ID	: NIC2		

		Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID	:	R2041318-2		R2041318-4		R2041318-6		R2041318-8		WG2146094-1	
Date Analyzed	:	11/26/25 11:18		11/26/25 12:27		11/26/25 13:07		11/26/25 14:46		11/26/25 11:51	
Parameter		mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q	mg/kg	Q
Mercury		0.000326	U	0.000326	U	0.000326	U	0.000326	U	0.054	U

Form 5a
Matrix Spike

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Client Sample ID	: NA	**Matrix**	: SLUDGE
Lab Sample ID	: L2568519-01		
Matrix Spike	: WG2146078-3	**MS Analysis Date**	: 11/25/25 09:16
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/kg)	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	RPD	Recovery Limits	RPD Limit
Mercury, Total	0.059J	1.56	1.53	98					80-120	20

Form 5a
Matrix Spike

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Client Sample ID	: B-2 (0-2IN)	**Matrix**	: SOIL
Lab Sample ID	: L2574898-13		
Matrix Spike	: WG2146094-3	**MS Analysis Date**	: 11/26/25 12:01
Matrix Spike Dup	: WG2146094-4	**MSD Analysis Date**	: 11/26/25 12:04

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/kg)	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	RPD	Recovery Limits	RPD Limit
Mercury, Total	0.099	1.56	1.60	96	1.57	1.61	96	1	80-120	20

Form 5a
Matrix Spike

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Client Sample ID	: B-2 (2-12IN)	**Matrix**	: SOIL
Lab Sample ID	: L2574898-14		
Matrix Spike	: WG2146094-5	**MS Analysis Date**	: 11/26/25 12:11
Matrix Spike Dup	: WG2146094-6	**MSD Analysis Date**	: 11/26/25 12:14

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/kg)	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	RPD	Recovery Limits	RPD Limit
Mercury, Total	0.101	1.67	1.77	100	1.52	1.51	92	16	80-120	20

Form 6
Lab Duplicates

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Client Sample ID	: NA	**Matrix**	: SLUDGE
Lab Sample ID	: NA	**Analysis Date**	: 11/25/25 09:12
Dup Sample ID	: WG2146078-4	**DUP Analysis Date**	: 11/25/25 09:19

Parameter	Sample Concentration (mg/kg)	Duplicate Concentration (mg/kg)	RPD	RPD Limit
Mercury, Total	0.059J	0.059J	NC	20

Form 7
Laboratory Control Sample

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Client Sample ID	: NA	**Matrix**	: SLUDGE
Lab Sample ID	: WG2146078-2	**LCS Analysis Date**	: 11/25/25 09:09
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/kg)**	**Found (mg/kg)**	**%R**	**True (mg/kg)**	**Found (mg/kg)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Mercury, Total	**1.67**	**1.62**	**97.**					**80-120**	**20**

Form 7
Laboratory Control Sample

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Client Sample ID	: NA	**Matrix**	: SOIL
Lab Sample ID	: WG2146094-2	**LCS Analysis Date**	: 11/26/25 11:54
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/kg)**	**Found (mg/kg)**	**%R**	**True (mg/kg)**	**Found (mg/kg)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Mercury, Total	**1.67**	**1.60**	**96.**					**80-120**	**20**

Form 12
Preparation Log

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Matrix	: SOIL	**Prep Method**	: EPA 7471B

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2574898-15	11/25/25 00:52	0.37	-
L2574898-16	11/25/25 00:52	0.37	-
WG2146078-1	11/25/25 00:52	0.30	-
WG2146078-2	11/25/25 00:52	0.30	-
WG2146078-3	11/25/25 00:52	0.36	-
WG2146078-4	11/25/25 00:52	0.36	-

Form 12
Preparation Log

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Matrix	: SOIL	**Prep Method**	: EPA 7471B

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2574898-01	11/25/25 03:18	0.36	-
L2574898-02	11/25/25 03:18	0.38	-
L2574898-03	11/25/25 03:18	0.36	-
L2574898-04	11/25/25 03:18	0.40	-
L2574898-05	11/25/25 03:18	0.38	-
L2574898-06	11/25/25 03:18	0.34	-
L2574898-07	11/25/25 03:18	0.39	-
L2574898-08	11/25/25 03:18	0.35	-
L2574898-09	11/25/25 03:18	0.34	-
L2574898-10	11/25/25 03:18	0.37	-
L2574898-11	11/25/25 03:18	0.37	-
L2574898-12	11/25/25 03:18	0.39	-
L2574898-13	11/25/25 03:18	0.37	-
L2574898-14	11/25/25 03:18	0.39	-
WG2146094-1	11/25/25 03:18	0.30	-
WG2146094-2	11/25/25 03:18	0.30	-
WG2146094-3	11/25/25 03:18	0.38	-
WG2146094-4	11/25/25 03:18	0.38	-
WG2146094-5	11/25/25 03:18	0.36	-
WG2146094-6	11/25/25 03:18	0.39	-

Form 13
Analysis Run Log

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Instrument ID	: NIC3	**Analysis Method**	: 1,7471B
Start Date	: 11/25/25 07:30	**End Date**	: 11/25/25 11:17

Sample Number	Dilution Factor	Analysis Time	Mercury, Total
R2040705-1 ICV	1	07:30:02	X
R2040705-2 ICB	1	07:33:22	X
WG2146078-1 BLANK	1	08:59:36	X
R2040705-3 CCV	1	09:02:56	X
R2040705-4 CCB	1	09:06:14	X
WG2146078-2 LCS	1	09:09:33	X
WG2146078-3 MS	1	09:16:10	X
WG2146078-4 DUP	1	09:19:28	X
R2040705-5 CCV	1	09:42:37	X
R2040705-6 CCB	1	09:45:55	X
L2574898-15	1	10:12:22	X
L2574898-16	1	10:15:38	X
R2040705-7 CCV	1	11:13:50	X
R2040705-8 CCB	1	11:17:08	X

Form 13
Analysis Run Log

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Instrument ID	: NIC2	**Analysis Method**	: 1,7471B
Start Date	: 11/26/25 11:14	**End Date**	: 11/26/25 14:46

Sample Number	Dilution Factor	Analysis Time	Mercury, Total
R2041318-1 ICV	1	11:14:44	X
R2041318-2 ICB	1	11:18:03	X
WG2146094-1 BLANK	1	11:51:22	X
WG2146094-2 LCS	1	11:54:41	X
L2574898-13	1	11:58:01	X
WG2146094-3 MS	1	12:01:21	X
WG2146094-4 MSD	1	12:04:39	X
L2574898-14	1	12:07:58	X
WG2146094-5 MS	1	12:11:17	X
WG2146094-6 MSD	1	12:14:36	X
R2041318-3 CCV	1	12:24:33	X
R2041318-4 CCB	1	12:27:51	X
L2574898-01	1	12:44:22	X
L2574898-02	1	12:47:41	X
L2574898-03	1	12:50:59	X
L2574898-04	1	12:54:17	X
L2574898-05	1	12:57:36	X
L2574898-06	1	13:00:54	X
R2041318-5 CCV	1	13:04:13	X
R2041318-6 CCB	1	13:07:31	X
L2574898-07	1	13:10:50	X
L2574898-08	1	13:14:08	X
L2574898-09	1	13:17:26	X
L2574898-10	1	13:20:44	X
L2574898-11	1	13:24:02	X
L2574898-12	1	13:27:21	X
R2041318-7 CCV	1	14:43:05	X

Form 13
Analysis Run Log

Client	: Pace New England	**Lab Number**	: L2574898
Project Name	: 25K1213	**Project Number**	: 25K1213
Instrument ID	: NIC2	**Analysis Method**	: 1,7471B
Start Date	: 11/26/25 11:14	**End Date**	: 11/26/25 14:46

Sample Number	Dilution Factor	Analysis Time	Mercury, Total
R2041318-8 CCB	1	14:46:24	X

Date Created: 03/19/18
Created By: Jason Hebert
File: PM4631-1
Page: 1

MERCURY by 7470A, 245.1 (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria	Holding Time	Container/Sample Preservation
Mercury, Total	7439-97-6	0.0002	0.0000915	mg/l	80-120	20	75-125	20	20		28 days	1 - Plastic 500ml HNO3 preserved

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

Date Created: 01/22/21
Created By: Jason Hebert
File: PM9836-1
Page: 1

METALS by 7470A (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria	Holding Time	Container/Sample Preservation
Mercury, Total	7439-97-6	0.0002	0.0000915	mg/l	80-120		75-125	20	20		28 days	1 - Plastic 500ml HNO3 preserved

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

Date Created: 01/22/21
Created By: Jason Hebert
File: PM9837-1
Page: 1

METALS by 7471B (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria	Holding Time	Container/Sample Preservation
Mercury, Total	7439-97-6	0.08	0.05216	mg/kg	72-128		80-120	20	20		28 days	Metals Only-Glass 60mL/2oz unpreserv

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

11/26/2025 06:35

Title :
Date : 11/25/2025
Name :

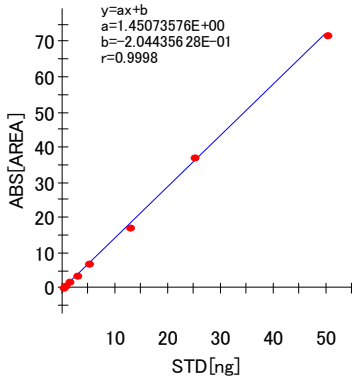
Method

STD
HONH3Cl : 0.0mL
(1+1)H2SO4 : 0.0mL
10w/v% SnCl2 : 0.3mL

SMP
HONH3Cl : 0.0mL
(1+1)H2SO4 : 0.0mL
10w/v% SnCl2 : 0.3mL

Measurement Time(sec) : 120sec

Calib



STD

No.	STD [ug/L]	SVOL [mL]	CVOL [mL]	DVOL [mL]	STD [ng]	AREA [ON]	MEAS [ng]	Dev [%]	M. TIME	Note
1	0.000	2.500	2.500	2.500	0.000	0.0098	0.1477	-	11/25/2025 06:41	JWN,NIC3
2	0.200	2.500	2.500	2.500	0.500	0.6803	0.6099	22.0	11/25/2025 06:44	JWN,NIC3
3	0.500	2.500	2.500	2.500	1.250	1.6697	1.2919	3.4	11/25/2025 06:47	JWN,NIC3
4	1.000	2.500	2.500	2.500	2.500	3.3673	2.4620	1.5	11/25/2025 06:51	JWN,NIC3
5	2.000	2.500	2.500	2.500	5.000	6.8134	4.8374	3.3	11/25/2025 07:00	JWN,NIC3
6	5.000	2.500	2.500	2.500	12.500	17.116	11.9391	4.5	11/25/2025 07:03	JWN,NIC3
7	10.000	2.500	2.500	2.500	25.000	36.951	25.6117	2.4	11/25/2025 07:07	JWN,NIC3
8	20.000	2.500	2.500	2.500	50.000	72.115	49.8504	0.3	11/25/2025 07:10	JWN,NIC3

SMP

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
1	ICV	2.500	2.500	2.500	9.6946	6.8235	2.729	-	11/25/2025 07:30	JWN,NIC3
2	ICB	2.500	2.500	2.500	0.0136	0.1503	0.060	-	11/25/2025 07:33	JWN,NIC3
3	WG2144663-1 WG2144663	2.500	2.500	2.500	0.0079	0.1464	0.059	-	11/25/2025 07:40	JWN,NIC3
4	WG2144663-2 WG2144663	2.500	2.500	2.500	34.771	24.1093	9.644	-	11/25/2025 07:43	JWN,NIC3

NIC NIPPON INSTRUMENTS CORPORATION

11/26/2025 06:35

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
5	L2571628-13 WG2144663	2.500	2.500	2.500	0.1824	0.2666	0.107	-	11/25/2025 07:46	JWN,NIC3
6	WG2144663-3 WG2144663	2.500	2.500	2.500	35.058	24.3069	9.723	-	11/25/2025 07:50	JWN,NIC3
7	WG2144663-4 WG2144663	2.500	2.500	2.500	0.1862	0.2693	0.108	-	11/25/2025 07:53	JWN,NIC3
8	L2572956-01 WG2144663	2.500	2.500	2.500	0.0162	0.1521	0.061	-	11/25/2025 07:56	JWN,NIC3
9	L2573991-04 WG2144663	2.500	2.500	2.500	1.6162	1.2550	0.502	-	11/25/2025 08:00	JWN,NIC3
10	L2573991-05 WG2144663	2.500	2.500	2.500	1.0941	0.8951	0.358	-	11/25/2025 08:03	JWN,NIC3
11	L2573991-07 WG2144663	2.500	2.500	2.500	0.6805	0.6100	0.244	-	11/25/2025 08:06	JWN,NIC3
12	WG2146078-1 WG2146078	2.500	2.500	2.500	0.0103	0.1480	0.059	-	11/25/2025 08:59	JWN,NIC3
13	Check STD(10ug/L)	2.500	2.500	2.500	39.553(	27.4050	10.962	109.6	11/25/2025 09:02	JWN,NIC3
14	Check Blank	2.500	2.500	2.500	0.0184	0.1536	0.061	-	11/25/2025 09:06	JWN,NIC3
15	WG2146078-2 WG2146078	2.500	2.500	2.500	34.569	23.9700	9.588	-	11/25/2025 09:09	JWN,NIC3
16	L2568519-01 WG2146078	2.500	2.500	2.500	0.2449	0.3097	0.124	-	11/25/2025 09:12	JWN,NIC3
17	WG2146078-3 WG2146078	2.500	2.500	2.500	34.907	24.2028	9.681	-	11/25/2025 09:16	JWN,NIC3
18	WG2146078-4 WG2146078	2.500	2.500	2.500	0.1569	0.2491	0.100	-	11/25/2025 09:19	JWN,NIC3
19	L2568519-02 WG2146078	2.500	2.500	2.500	0.9422	0.7904	0.316	-	11/25/2025 09:22	JWN,NIC3
20	L2568519-03 WG2146078	2.500	2.500	2.500	0.0842	0.1990	0.080	-	11/25/2025 09:26	JWN,NIC3
21	L2568519-04 WG2146078	2.500	2.500	2.500	0.8830	0.7496	0.300	-	11/25/2025 09:29	JWN,NIC3
22	L2572542-01 WG2146078	2.500	2.500	2.500	1.4776	1.1594	0.464	-	11/25/2025 09:32	JWN,NIC3
23	L2573888-03 WG2146078	2.500	2.500	2.500	0.3780	0.4015	0.161	-	11/25/2025 09:36	JWN,NIC3
24	L2573888-04 WG2146078	2.500	2.500	2.500	0.3727	0.3978	0.159	-	11/25/2025 09:39	JWN,NIC3
25	Check STD(10ug/L)	2.500	2.500	2.500	40.396	27.9863	11.195	112.0	11/25/2025 09:42	JWN,NIC3
26	Check Blank	2.500	2.500	2.500	0.0225	0.1564	0.063	-	11/25/2025 09:45	JWN,NIC3
27	L2573888-06 WG2146078	2.500	2.500	2.500	4.6648	3.3564	1.343	-	11/25/2025 09:49	JWN,NIC3
28	L2573888-38 WG2146078	2.500	2.500	2.500	0.4658	0.4620	0.185	-	11/25/2025 09:52	JWN,NIC3
29	L2573888-40 WG2146078	2.500	2.500	2.500	0.4501	0.4512	0.180	-	11/25/2025 09:55	JWN,NIC3
30	L2573888-42 WG2146078	2.500	2.500	2.500	3.3207	2.4299	0.972	-	11/25/2025 09:59	JWN,NIC3
31	L2573888-44 WG2146078	2.500	2.500	2.500	1.3509	1.0721	0.429	-	11/25/2025 10:02	JWN,NIC3
32	L2573888-46 WG2146078	2.500	2.500	2.500	0.3645	0.3922	0.157	-	11/25/2025 10:05	JWN,NIC3
33	L2574418-01 WG2146078	2.500	2.500	2.500	0.9519	0.7971	0.319	-	11/25/2025 10:09	JWN,NIC3
34	L2574898-15 WG2146078	2.500	2.500	2.500	1.8093	1.3881	0.555	-	11/25/2025 10:12	JWN,NIC3
35	L2574898-16 WG2146078	2.500	2.500	2.500	2.2855	1.7163	0.687	-	11/25/2025 10:15	JWN,NIC3
36	L2573001-01 WG2144695	2.500	2.500	2.500	2.2121	1.6657	0.666	-	11/25/2025 11:10	JWN,NIC3

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
37	Check STD(10ug/L)	2.500	2.500	2.500	39.8825	27.6324	11.053	110.5	11/25/2025 11:13	JWN,NIC3
38	Check Blank	2.500	2.500	2.500	0.0195	0.1544	0.062	-	11/25/2025 11:17	JWN,NIC3
39	L2573005-01 WG2144695	2.500	2.500	2.500	0.4386	0.4432	0.177	-	11/25/2025 11:20	JWN,NIC3
40	L2573098-01 WG2144695	2.500	2.500	2.500	0.0267	0.1593	0.064	-	11/25/2025 11:23	JWN,NIC3
41	L2573098-02 WG2144695	2.500	2.500	2.500	0.0332	0.1638	0.066	-	11/25/2025 11:27	JWN,NIC3
42	L2573098-03 WG2144695	2.500	2.500	2.500	0.0310	0.1623	0.065	-	11/25/2025 11:30	JWN,NIC3
43	L2573107-01 WG2144695	2.500	2.500	2.500	2.1916	1.6516	0.661	-	11/25/2025 11:33	JWN,NIC3
44	L2573264-04 WG2144695	2.500	2.500	2.500	0.0429	0.1705	0.068	-	11/25/2025 11:36	JWN,NIC3
45	L2573264-15 WG2144695	2.500	2.500	2.500	0.0487	0.1745	0.070	-	11/25/2025 11:40	JWN,NIC3
46	L2570679-01 WG2145005	2.500	2.500	2.500	1.0764	0.8829	0.353	-	11/25/2025 12:15	JWN,NIC3
47	L2570679-03 WG2145005	2.500	2.500	2.500	1.1767	0.9520	0.381	-	11/25/2025 12:19	JWN,NIC3
48	L2570679-04 WG2145005	2.500	2.500	2.500	1.1951	0.9647	0.386	-	11/25/2025 12:22	JWN,NIC3
49	Check STD(10ug/L)	2.500	2.500	2.500	40.0724	27.7630	11.105	111.1	11/25/2025 12:25	JWN,NIC3
50	Check Blank	2.500	2.500	2.500	0.0204	0.1550	0.062	-	11/25/2025 12:29	JWN,NIC3
51	L2570679-05 WG2145005	2.500	2.500	2.500	1.1253	0.9166	0.367	-	11/25/2025 12:32	JWN,NIC3
52	L2570679-07 WG2145005	2.500	2.500	2.500	0.5643	0.5299	0.212	-	11/25/2025 12:35	JWN,NIC3
53	L2570679-09 WG2145005	2.500	2.500	2.500	0.9148	0.7715	0.309	-	11/25/2025 12:39	JWN,NIC3
54	L2570679-10 WG2145005	2.500	2.500	2.500	1.5905	1.2373	0.495	-	11/25/2025 12:42	JWN,NIC3
55	L2570679-11 WG2145005	2.500	2.500	2.500	1.4004	1.1062	0.442	-	11/25/2025 12:45	JWN,NIC3
56	L2570679-13 WG2145005	2.500	2.500	2.500	0.9361	0.7862	0.314	-	11/25/2025 12:48	JWN,NIC3
57	L2570679-15 WG2145005	2.500	2.500	2.500	1.6286	1.2635	0.505	-	11/25/2025 12:52	JWN,NIC3
58	L2570679-16 WG2145005	2.500	2.500	2.500	1.0780	0.8840	0.354	-	11/25/2025 12:55	JWN,NIC3
59	L2570679-17 WG2145005	2.500	2.500	2.500	0.5769	0.5386	0.215	-	11/25/2025 12:58	JWN,NIC3
60	L2570679-19 WG2145005	2.500	2.500	2.500	0.6804	0.6099	0.244	-	11/25/2025 13:02	JWN,NIC3
61	Check STD(10ug/L)	2.500	2.500	2.500	40.4702	28.0372	11.215	112.2	11/25/2025 13:05	JWN,NIC3
62	Check Blank	2.500	2.500	2.500	0.0201	0.1548	0.062	-	11/25/2025 13:08	JWN,NIC3
63	WG2146207-1d2 WG2146207	2.500	2.500	2.500	0.0547	0.1786	0.071	-	11/25/2025 14:28	JWN,NIC3
64	WG2146207-2d2 WG2146207	2.500	2.500	2.500	4.2327	3.0585	1.223	-	11/25/2025 14:31	JWN,NIC3
65	WG2146207-3d2 WG2146207	2.500	2.500	2.500	4.2660	3.0815	1.233	-	11/25/2025 14:34	JWN,NIC3
66	L2574611-01d2 WG2146207	2.500	2.500	2.500	0.0557	0.1793	0.072	-	11/25/2025 14:37	JWN,NIC3
67	L2574635-02d2 WG2146207	2.500	2.500	2.500	0.0590	0.1816	0.073	-	11/25/2025 14:41	JWN,NIC3
68	Check STD(10ug/L)	2.500	2.500	2.500	40.3168	27.9315	11.173	111.7	11/25/2025 14:44	JWN,NIC3

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
69	Check Blank	2.500	2.500	2.500	0.0195	0.1544	0.062	-	11/25/2025 14:48	JWN,NIC3
70	WG2146349-1 WG2146349	2.500	2.500	2.500	0.0070	0.1457	0.058	-	11/25/2025 19:05	JWN,NIC3
71	WG2146349-2d5 WG2146349	2.500	2.500	2.500	46.427	32.1435	12.857	-	11/25/2025 19:08	JWN,NIC3
72	WG2146349-3d5 WG2146349	2.500	2.500	2.500	45.554	31.5417	12.617	-	11/25/2025 19:12	JWN,NIC3
73	I2572934-01 WG2146349	2.500	2.500	2.500	0.3220	0.3629	0.145	-	11/25/2025 19:15	JWN,NIC3
74	I2572934-02 WG2146349	2.500	2.500	2.500	0.0413	0.1694	0.068	-	11/25/2025 19:18	JWN,NIC3
75	L2574432-01 WG2145770	2.500	2.500	2.500	0.0632	0.1845	0.074	-	11/25/2025 19:22	JWN,NIC3
76	L2574432-02 WG2145770	2.500	2.500	2.500	0.0336	0.1641	0.066	-	11/25/2025 19:25	JWN,NIC3
77	L2574432-03 WG2145770	2.500	2.500	2.500	0.3249	0.3649	0.146	-	11/25/2025 19:28	JWN,NIC3
78	L2574432-04 WG2145770	2.500	2.500	2.500	0.1458	0.2414	0.097	-	11/25/2025 19:31	JWN,NIC3
79	L2574432-05 WG2145770	2.500	2.500	2.500	0.1979	0.2773	0.111	-	11/25/2025 19:35	JWN,NIC3
80	Check STD(10ug/L)	2.500	2.500	2.500	40.625	28.1441	11.258	112.6	11/25/2025 19:38	JWN,NIC3
81	Check Blank	2.500	2.500	2.500	0.1339	0.2332	0.093	-	11/25/2025 19:41	JWN,NIC3
82	L2574432-06 WG2145770	2.500	2.500	2.500	0.0958	0.2070	0.083	-	11/25/2025 19:45	JWN,NIC3
83	L2574432-07 WG2145770	2.500	2.500	2.500	0.2291	0.2988	0.120	-	11/25/2025 19:48	JWN,NIC3
84	L2574432-08 WG2145770	2.500	2.500	2.500	0.3089	0.3538	0.142	-	11/25/2025 19:51	JWN,NIC3
85	L2574432-09 WG2145770	2.500	2.500	2.500	0.0726	0.1910	0.076	-	11/25/2025 19:55	JWN,NIC3
86	L2574432-10 WG2145770	2.500	2.500	2.500	0.1190	0.2229	0.089	-	11/25/2025 19:58	JWN,NIC3
87	L2574432-11 WG2145770	2.500	2.500	2.500	0.1478	0.2428	0.097	-	11/25/2025 20:01	JWN,NIC3
88	L2574432-12 WG2145770	2.500	2.500	2.500	0.2880	0.3394	0.136	-	11/25/2025 20:05	JWN,NIC3
89	L2574497-01 WG2145770	2.500	2.500	2.500	0.6432	0.5843	0.234	-	11/25/2025 20:08	JWN,NIC3
90	L2574497-02 WG2145770	2.500	2.500	2.500	0.3722	0.3975	0.159	-	11/25/2025 20:11	JWN,NIC3
91	xCheck std(10ug/L)	2.500	2.500	2.500	0.0486	0.1744	0.070	-	11/25/2025 20:15	JWN,NIC3/ Flow Error!!(0.00L/min)/Check
92	Check STD(10ug/L)	2.500	2.500	2.500	39.516	27.3799	10.952	109.5	11/25/2025 20:40	JWN,NIC3
93	Check Blank	2.500	2.500	2.500	0.1326	0.2323	0.093	-	11/25/2025 20:43	JWN,NIC3
94	L2572799-01 WG2144538	2.500	2.500	2.500	5.2522	3.7613	1.505	-	11/25/2025 20:56	JWN,NIC3
95	L2572799-02 WG2144538	2.500	2.500	2.500	19.630	13.6726	5.469	-	11/25/2025 20:59	JWN,NIC3
96	L2572799-03 WG2144538	2.500	2.500	2.500	24.713	17.1762	6.870	-	11/25/2025 21:02	JWN,NIC3
97	L2573104-01 WG2144538	2.500	2.500	2.500	7.9517	5.6221	2.249	-	11/25/2025 21:05	JWN,NIC3
98	L2573104-02 WG2144538	2.500	2.500	2.500	14.777	10.3269	4.131	-	11/25/2025 21:09	JWN,NIC3
99	L2573104-03 WG2144538	2.500	2.500	2.500	2.2758	1.7096	0.684	-	11/25/2025 21:12	JWN,NIC3
100	L2573411-01 WG2144538	2.500	2.500	2.500	7.6641	5.4238	2.170	-	11/25/2025 21:15	JWN,NIC3

11/26/2025 06:35

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
101	L2573513-01 WG2144538	2.500	2.500	2.500	7.0577	5.0058	2.002	-	11/25/2025 21:19	JWN,NIC3
102	I2572916-01 WG2144179	2.500	2.500	2.500	0.2584	0.3190	0.128	-	11/25/2025 21:55	JWN,NIC3
103	I2572916-02 WG2144179	2.500	2.500	2.500	0.1820	0.2664	0.107	-	11/25/2025 21:58	JWN,NIC3
104	Check STD(10ug/L)	2.500	2.500	2.500	40.297	27.9181	11.167	111.7	11/25/2025 22:01	JWN,NIC3
105	Check Blank	2.500	2.500	2.500	0.1302	0.2307	0.092	-	11/25/2025 22:05	JWN,NIC3
106	I2572916-03 WG2144179	2.500	2.500	2.500	0.2991	0.3471	0.139	-	11/25/2025 22:08	JWN,NIC3
107	I2572916-04 WG2144179	2.500	2.500	2.500	0.0839	0.1988	0.080	-	11/25/2025 22:11	JWN,NIC3
108	I2572988-01 WG2144179	2.500	2.500	2.500	1.1782	0.9531	0.381	-	11/25/2025 22:15	JWN,NIC3
109	I2572988-02 WG2144179	2.500	2.500	2.500	2.7008	2.0026	0.801	-	11/25/2025 22:18	JWN,NIC3
110	I2572988-03 WG2144179	2.500	2.500	2.500	0.2629	0.3221	0.129	-	11/25/2025 22:21	JWN,NIC3
111	I2573068-01 WG2144179	2.500	2.500	2.500	0.1044	0.2129	0.085	-	11/25/2025 22:24	JWN,NIC3
112	I2573068-02 WG2144179	2.500	2.500	2.500	0.1378	0.2359	0.094	-	11/25/2025 22:28	JWN,NIC3
113	I2573383-01 WG2144179	2.500	2.500	2.500	0.0909	0.2036	0.081	-	11/25/2025 22:31	JWN,NIC3
114	I2573383-02 WG2144179	2.500	2.500	2.500	0.1245	0.2267	0.091	-	11/25/2025 22:34	JWN,NIC3
115	XI2573489-01 WG2144179	2.500	2.500	2.500	-0.002(	0.1395	0.056	-	11/25/2025 22:38	JWN,NIC3/ Flow Error!!(0.00L/min)
116	Check STD(10ug/L)	2.500	2.500	2.500	31.084	21.5676	8.627	86.3	11/25/2025 22:44	JWN,NIC3
117	Check Blank	2.500	2.500	2.500	0.1332	0.2327	0.093	-	11/25/2025 22:47	JWN,NIC3
118	I2573489-02 WG2144179	2.500	2.500	2.500	0.0761	0.1934	0.077	-	11/25/2025 22:51	JWN,NIC3
119	I2573489-03 WG2144179	2.500	2.500	2.500	0.0400	0.1685	0.067	-	11/25/2025 22:54	JWN,NIC3
120	I2573492-01 WG2144179	2.500	2.500	2.500	0.9071	0.7662	0.306	-	11/25/2025 22:57	JWN,NIC3
121	I2573492-02 WG2144179	2.500	2.500	2.500	0.5720	0.5352	0.214	-	11/25/2025 23:01	JWN,NIC3
122	I2573489-01 WG2144179	2.500	2.500	2.500	3.0577	2.2486	0.899	-	11/25/2025 23:04	JWN,NIC3
123	XWG2146349-2d5 WG2146349	2.500	2.500	2.500	47.198(	32.6752	13.070	-	11/25/2025 23:07	JWN,NIC3
124	Check STD(10ug/L)	2.500	2.500	2.500	39.590	27.4311	10.972	109.7	11/25/2025 23:11	JWN,NIC3
125	Check Blank	2.500	2.500	2.500	0.0056	0.1448	0.058	-	11/25/2025 23:14	JWN,NIC3

NIC NIPPON INSTRUMENTS CORPORATION

11/26/2025 22:20

Title :
Date : 11/26/2025
Name :

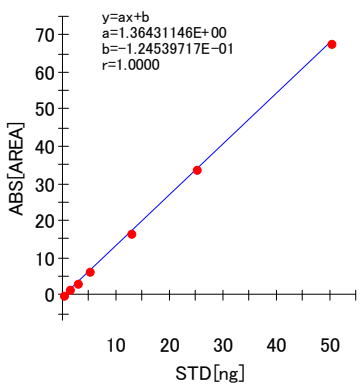
Method

STD
HONH3Cl
(1+1)H2SO4
10w/v% SnCl2

SMP
HONH3Cl
(1+1)H2SO4
10w/v% SnCl2

Measurement Time(sec

Calib



STD

No.	STD [ug/L]	SVOL [mL]	CVOL [mL]	DVOL [mL]	STD [ng]	AREA [ON]	MEAS [ng]	Dev [%]	M. TIME	Note
1	0.000	2.500	2.500	2.500	0.000	-0.0862	0.0281	-	11/26/2025 10:41	CME,NIC2
2	0.500	2.500	2.500	2.500	1.250	1.7384	1.3655	9.2	11/26/2025 10:45	CME,NIC2
3	1.000	2.500	2.500	2.500	2.500	3.3890	2.5753	3.0	11/26/2025 10:48	CME,NIC2
4	2.000	2.500	2.500	2.500	5.000	6.5897	4.9213	1.6	11/26/2025 10:51	CME,NIC2
5	5.000	2.500	2.500	2.500	12.500	16.6684	12.3087	1.5	11/26/2025 10:55	CME,NIC2
6	10.000	2.500	2.500	2.500	25.000	33.9887	25.0040	0.0	11/26/2025 10:58	CME,NIC2
7	20.000	2.500	2.500	2.500	50.000	68.1552	50.0470	0.1	11/26/2025 11:01	CME,NIC2

SMP

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
1	ICV	2.500	2.500	2.500	9.3391	6.9366	2.775	-	11/26/2025 11:14	CME,NIC2
2	ICB	2.500	2.500	2.500	0.1043	0.1677	0.067	-	11/26/2025 11:18	CME,NIC2
3	WG2146094-1 WG2146094	2.500	2.500	2.500	-0.0492	0.0552	0.022	-	11/26/2025 11:51	CME,NIC2
4	WG2146094-2 WG2146094	2.500	2.500	2.500	32.5673	23.9622	9.585	-	11/26/2025 11:54	CME,NIC2
5	L2574898-13 WG2146094	2.500	2.500	2.500	1.9813	1.5435	0.617	-	11/26/2025 11:58	CME,NIC2

NIC NIPPON INSTRUMENTS CORPORATION

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No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
6	WG2146094-3 WG2146094	2.500	2.500	2.500	34.968	25.7222	10.289	-	11/26/2025 12:01	CME,NIC2
7	WG2146094-4 WG2146094	2.500	2.500	2.500	34.811	25.6072	10.243	-	11/26/2025 12:04	CME,NIC2
8	L2574898-14 WG2146094	2.500	2.500	2.500	2.1218	1.6465	0.659	-	11/26/2025 12:07	CME,NIC2
9	WG2146094-5 WG2146094	2.500	2.500	2.500	35.963	26.4514	10.581	-	11/26/2025 12:11	CME,NIC2
10	WG2146094-6 WG2146094	2.500	2.500	2.500	33.593	24.7140	9.886	-	11/26/2025 12:14	CME,NIC2
11	L2574897-01 WG2146094	2.500	2.500	2.500	0.6456	0.5645	0.226	-	11/26/2025 12:17	CME,NIC2
12	L2574897-02 WG2146094	2.500	2.500	2.500	0.8417	0.7082	0.283	-	11/26/2025 12:21	CME,NIC2
13	Check STD(10ug/L)	2.500	2.500	2.500	36.265	26.6727	10.669	106.7	11/26/2025 12:24	CME,NIC2
14	Check Blank	2.500	2.500	2.500	0.0378	0.1190	0.048	-	11/26/2025 12:27	CME,NIC2
15	L2574897-03 WG2146094	2.500	2.500	2.500	0.5459	0.4914	0.197	-	11/26/2025 12:31	CME,NIC2
16	L2574897-04 WG2146094	2.500	2.500	2.500	0.6853	0.5936	0.237	-	11/26/2025 12:34	CME,NIC2
17	L2574897-05 WG2146094	2.500	2.500	2.500	0.4528	0.4232	0.169	-	11/26/2025 12:37	CME,NIC2
18	L2574897-06 WG2146094	2.500	2.500	2.500	0.3893	0.3766	0.151	-	11/26/2025 12:41	CME,NIC2
19	L2574898-01 WG2146094	2.500	2.500	2.500	0.5794	0.5160	0.206	-	11/26/2025 12:44	CME,NIC2
20	L2574898-02 WG2146094	2.500	2.500	2.500	0.5870	0.5215	0.209	-	11/26/2025 12:47	CME,NIC2
21	L2574898-03 WG2146094	2.500	2.500	2.500	0.4554	0.4251	0.170	-	11/26/2025 12:50	CME,NIC2
22	L2574898-04 WG2146094	2.500	2.500	2.500	0.3579	0.3536	0.141	-	11/26/2025 12:54	CME,NIC2
23	L2574898-05 WG2146094	2.500	2.500	2.500	0.4263	0.4037	0.161	-	11/26/2025 12:57	CME,NIC2
24	L2574898-06 WG2146094	2.500	2.500	2.500	0.2307	0.2604	0.104	-	11/26/2025 13:00	CME,NIC2
25	Check STD(10ug/L)	2.500	2.500	2.500	36.175	26.6066	10.643	106.4	11/26/2025 13:04	CME,NIC2
26	Check Blank	2.500	2.500	2.500	0.0817	0.1512	0.060	-	11/26/2025 13:07	CME,NIC2
27	L2574898-07 WG2146094	2.500	2.500	2.500	0.8399	0.7069	0.283	-	11/26/2025 13:10	CME,NIC2
28	L2574898-08 WG2146094	2.500	2.500	2.500	0.6538	0.5705	0.228	-	11/26/2025 13:14	CME,NIC2
29	L2574898-09 WG2146094	2.500	2.500	2.500	0.8217	0.6936	0.277	-	11/26/2025 13:17	CME,NIC2
30	L2574898-10 WG2146094	2.500	2.500	2.500	0.7428	0.6357	0.254	-	11/26/2025 13:20	CME,NIC2
31	L2574898-11 WG2146094	2.500	2.500	2.500	1.5545	1.2307	0.492	-	11/26/2025 13:24	CME,NIC2
32	L2574898-12 WG2146094	2.500	2.500	2.500	1.8323	1.4343	0.574	-	11/26/2025 13:27	CME,NIC2
33	WG2146623-1 WG2146623	2.500	2.500	2.500	-0.033	0.0668	0.027	-	11/26/2025 14:29	CME,NIC2
34	WG2146623-2 WG2146623	2.500	2.500	2.500	3.5523	2.6950	1.078	-	11/26/2025 14:33	CME,NIC2
35	I2573335-01 WG2146623	2.500	2.500	2.500	0.2096	0.2449	0.098	-	11/26/2025 14:36	CME,NIC2
36	WG2146623-3 WG2146623	2.500	2.500	2.500	3.1417	2.3941	0.958	-	11/26/2025 14:39	CME,NIC2
37	Check STD(10ug/L)	2.500	2.500	2.500	35.723	26.2753	10.510	105.1	11/26/2025 14:43	CME,NIC2

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
38	Check Blank	2.500	2.500	2.500	0.1226	0.1811	0.072	-	11/26/2025 14:46	CME,NIC2
39	WG2146623-4 WG2146623	2.500	2.500	2.500	0.1134	0.1744	0.070	-	11/26/2025 14:49	CME,NIC2
40	L2574497-06 WG2146503	2.500	2.500	2.500	0.3012	0.3121	0.125	-	11/26/2025 14:53	CME,NIC2
41	L2574861-02 WG2146503	2.500	2.500	2.500	0.3969	0.3822	0.153	-	11/26/2025 14:56	CME,NIC2
42	L2574861-03 WG2146503	2.500	2.500	2.500	0.8886	0.7426	0.297	-	11/26/2025 14:59	CME,NIC2
43	WG2146818-1 WG2146818	2.500	2.500	2.500	0.1082	0.1706	0.068	-	11/26/2025 15:02	CME,NIC2
44	WG2146818-2 WG2146818	2.500	2.500	2.500	36.3276	26.7183	10.687	-	11/26/2025 15:06	CME,NIC2
45	L2572002-11 WG2146818	2.500	2.500	2.500	0.4253	0.4030	0.161	-	11/26/2025 15:09	CME,NIC2
46	WG2146818-3 WG2146818	2.500	2.500	2.500	36.0554	26.5188	10.608	-	11/26/2025 15:12	CME,NIC2
47	WG2146818-4 WG2146818	2.500	2.500	2.500	0.3991	0.3838	0.154	-	11/26/2025 15:16	CME,NIC2
48	L2572835-02 WG2146818	2.500	2.500	2.500	0.6222	0.5473	0.219	-	11/26/2025 15:19	CME,NIC2
49	Check STD(10ug/L)	2.500	2.500	2.500	36.7417	27.0219	10.809	108.1	11/26/2025 15:22	CME,NIC2
50	Check Blank	2.500	2.500	2.500	0.1197	0.1790	0.072	-	11/26/2025 15:25	CME,NIC2
51	L2575162-01 WG2146818	2.500	2.500	2.500	22.1086	16.2962	6.518	-	11/26/2025 15:29	CME,NIC2
52	L2575316-01 WG2146818	2.500	2.500	2.500	0.9982	0.8229	0.329	-	11/26/2025 15:32	CME,NIC2
53	L2575316-02 WG2146818	2.500	2.500	2.500	1.3278	1.0645	0.426	-	11/26/2025 15:35	CME,NIC2
54	WG2146605-1 WG2146605	2.500	2.500	2.500	0.1150	0.1756	0.070	-	11/26/2025 15:39	CME,NIC2
55	WG2146605-2 WG2146605	2.500	2.500	2.500	36.6058	26.9223	10.769	-	11/26/2025 15:42	CME,NIC2
56	L2570789-02 WG2146605	2.500	2.500	2.500	0.4876	0.4487	0.179	-	11/26/2025 15:45	CME,NIC2
57	WG2146605-3 WG2146605	2.500	2.500	2.500	36.5116	26.8532	10.741	-	11/26/2025 15:49	CME,NIC2
58	WG2146605-4 WG2146605	2.500	2.500	2.500	0.6658	0.5793	0.232	-	11/26/2025 15:52	CME,NIC2
59	L2570789-03 WG2146605	2.500	2.500	2.500	3.7157	2.8148	1.126	-	11/26/2025 15:55	CME,NIC2
60	L2572835-01 WG2146605	2.500	2.500	2.500	0.5238	0.4752	0.190	-	11/26/2025 15:58	CME,NIC2
61	Check STD(10ug/L)	2.500	2.500	2.500	32.4652	23.8873	9.555	95.5	11/26/2025 16:02	CME,NIC2
62	Check Blank	2.500	2.500	2.500	0.1203	0.1795	0.072	-	11/26/2025 16:05	CME,NIC2
63	L2573721-02 WG2146605	2.500	2.500	2.500	2.3962	1.8476	0.739	-	11/26/2025 16:08	CME,NIC2
64	L2573791-01 WG2146605	2.500	2.500	2.500	0.2042	0.2410	0.096	-	11/26/2025 16:12	CME,NIC2
65	L2574712-04 WG2146605	2.500	2.500	2.500	0.3429	0.3426	0.137	-	11/26/2025 16:15	CME,NIC2
66	xL2574712-05 WG2146605	2.500	2.500	2.500	H.CONC	H.CONC	H.CONC	-	11/26/2025 16:18	CME,NIC2
67	L2574712-06 WG2146605	2.500	2.500	2.500	0.1833	0.2256	0.090	-	11/26/2025 16:24	CME,NIC2
68	L2574712-07 WG2146605	2.500	2.500	2.500	0.1417	0.1951	0.078	-	11/26/2025 16:28	CME,NIC2
69	L2574712-08 WG2146605	2.500	2.500	2.500	0.1253	0.1831	0.073	-	11/26/2025 16:31	CME,NIC2

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No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
70	L2574851-01 WG2146605	2.500	2.500	2.500	0.3326	0.3351	0.134	-	11/26/2025 16:34	CME,NIC2
71	L2574851-02 WG2146605	2.500	2.500	2.500	0.1403	0.1941	0.078	-	11/26/2025 16:38	CME,NIC2
72	L2574851-04 WG2146605	2.500	2.500	2.500	0.1465	0.1987	0.079	-	11/26/2025 16:41	CME,NIC2
73	Check STD(10ug/L)	2.500	2.500	2.500	36.345	26.7318	10.693	106.9	11/26/2025 16:44	CME,NIC2
74	Check Blank	2.500	2.500	2.500	0.0640	0.1382	0.055	-	11/26/2025 16:48	CME,NIC2
75	L2574851-05 WG2146605	2.500	2.500	2.500	0.0867	0.1548	0.062	-	11/26/2025 16:51	CME,NIC2
76	L2574712-05d10 WG2146605	2.500	2.500	2.500	21.924	16.1616	6.465	-	11/26/2025 16:54	CME,NIC2
77	WG2146870-1 WG2146870	2.500	2.500	2.500	0.0417	0.1218	0.049	-	11/26/2025 19:16	CME,NIC2
78	WG2146870-2 WG2146870	2.500	2.500	2.500	35.205	25.8955	10.358	-	11/26/2025 19:20	CME,NIC2
79	L2572550-01 WG2146870	2.500	2.500	2.500	0.2166	0.2500	0.100	-	11/26/2025 19:23	CME,NIC2
80	WG2146870-3 WG2146870	2.500	2.500	2.500	32.536	23.9394	9.576	-	11/26/2025 19:26	CME,NIC2
81	WG2146870-4 WG2146870	2.500	2.500	2.500	0.2090	0.2445	0.098	-	11/26/2025 19:30	CME,NIC2
82	WG2146607-1 WG2146607	2.500	2.500	2.500	0.0991	0.1639	0.066	-	11/26/2025 19:33	CME,NIC2
83	WG2146607-2 WG2146607	2.500	2.500	2.500	35.403	26.0412	10.416	-	11/26/2025 19:36	CME,NIC2
84	L2574303-04 WG2146607	2.500	2.500	2.500	6.3864	4.7723	1.909	-	11/26/2025 19:40	CME,NIC2
85	Check STD(10ug/L)	2.500	2.500	2.500	36.979	27.1959	10.878	108.8	11/26/2025 19:43	CME,NIC2
86	Check Blank	2.500	2.500	2.500	0.1078	0.1703	0.068	-	11/26/2025 19:46	CME,NIC2
87	WG2146607-3 WG2146607	2.500	2.500	2.500	42.885	31.5253	12.610	-	11/26/2025 19:50	CME,NIC2
88	WG2146607-4 WG2146607	2.500	2.500	2.500	43.681	32.1088	12.844	-	11/26/2025 19:53	CME,NIC2
89	L2573100-01 WG2146607	2.500	2.500	2.500	0.1789	0.2224	0.089	-	11/26/2025 19:56	CME,NIC2
90	L2574138-01 WG2146607	2.500	2.500	2.500	1.2038	0.9736	0.389	-	11/26/2025 20:00	CME,NIC2
91	L2574138-02 WG2146607	2.500	2.500	2.500	0.7000	0.6044	0.242	-	11/26/2025 20:03	CME,NIC2
92	L2574138-03 WG2146607	2.500	2.500	2.500	0.4943	0.4536	0.181	-	11/26/2025 20:06	CME,NIC2
93	L2574138-04 WG2146607	2.500	2.500	2.500	1.4357	1.1436	0.457	-	11/26/2025 20:10	CME,NIC2
94	L2574303-01 WG2146607	2.500	2.500	2.500	2.5300	1.9457	0.778	-	11/26/2025 20:13	CME,NIC2
95	L2574303-02 WG2146607	2.500	2.500	2.500	2.1334	1.6550	0.662	-	11/26/2025 20:16	CME,NIC2
96	L2574303-03 WG2146607	2.500	2.500	2.500	8.1797	6.0868	2.435	-	11/26/2025 20:20	CME,NIC2
97	Check STD(10ug/L)	2.500	2.500	2.500	36.929	27.1594	10.864	108.6	11/26/2025 20:23	CME,NIC2
98	Check Blank	2.500	2.500	2.500	0.1247	0.1827	0.073	-	11/26/2025 20:26	CME,NIC2
99	L2574749-01 WG2146607	2.500	2.500	2.500	0.2659	0.2862	0.114	-	11/26/2025 20:30	CME,NIC2
100	WG2147022-1 WG2147022	2.500	2.500	2.500	0.1265	0.1840	0.074	-	11/26/2025 20:33	CME,NIC2
101	WG2147022-2 WG2147022	2.500	2.500	2.500	36.117	26.5640	10.626	-	11/26/2025 20:36	CME,NIC2

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No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
102	WG2147022-3 WG2147022	2.500	2.500	2.500	36.030	26.5004	10.600	-	11/26/2025 20:39	CME,NIC2
103	WG2147022-4 WG2147022	2.500	2.500	2.500	35.714	26.2687	10.507	-	11/26/2025 20:43	CME,NIC2
104	WG2147022-5 WG2147022	2.500	2.500	2.500	35.676	26.2412	10.496	-	11/26/2025 20:46	CME,NIC2
105	I2573979-02 WG2146349	2.500	2.500	2.500	6.0479	4.5242	1.810	-	11/26/2025 22:03	CME,NIC2
106	I2573979-03 WG2146349	2.500	2.500	2.500	3.2667	2.4857	0.994	-	11/26/2025 22:07	CME,NIC2
107	I2574522-01 WG2146349	2.500	2.500	2.500	0.1544	0.2045	0.082	-	11/26/2025 22:10	CME,NIC2
108	I2574522-02 WG2146349	2.500	2.500	2.500	1.9878	1.5483	0.619	-	11/26/2025 22:13	CME,NIC2
109	Check STD(10ug/L)	2.500	2.500	2.500	36.866	27.1131	10.845	108.5	11/26/2025 22:16	CME,NIC2
110	Check Blank	2.500	2.500	2.500	0.1939	0.2334	0.093	-	11/26/2025 22:20	CME,NIC2

NIC NIPPON INSTRUMENTS CORPORATION

MERCURY TRUE VALUE CRITERIA

ICV	3 ug/l
LCSW	1 ug/l
MS	1 ug/l
CCV	5 ug/l

As of 6/1/13, Mercury True Value criteria is as follows:

ICV	3 ug/l
LCSW	1 ug/l
MS(aq)	5 ug/l
MS(soil)	1 ug/l
CCV	10 ug/l

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D102-540
Certificate Issue Date: June 22, 2018
Expiration Date: January 31, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 030512.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8160	6.36	3960 - 12400	4080 - 12200
Antimony	120	60.9	9.42	0.822 - 121	12.0 - 166
Arsenic	144	135	5.08	112 - 158	94.6 - 176
Barium	469	443	6.77	366 - 521	332 - 554
Beryllium	207	197	5.86	164 - 229	148 - 246
Boron	213	174	12.6	127 - 221	105 - 244
Cadmium	224	204	6.65	169 - 240	153 - 256
Calcium	5190	4830	9.12	3950 - 5700	3510 - 6150
Chromium	138	132	8.56	109 - 155	92.2 - 171
Cobalt	182	179	7.93	151 - 207	134 - 224
Copper	191	184	6.72	155 - 213	138 - 230
Iron	15000	14400	10.7	8770 - 20000	5120 - 23600
Lead	225	216	7.72	178 - 254	159 - 274
Magnesium	2570	2340	6.13	1780 - 2900	1460 - 3230
Manganese	331	323	6.71	266 - 380	242 - 404
Mercury	16.8	13.2	16.0	8.64 - 17.7	7.89 - 18.5
Molybdenum	193	175	2.39	141 - 209	125 - 226
Nickel	163	152	5.95	126 - 178	106 - 197
Potassium	2420	2050	6.31	1440 - 2660	1210 - 2890
Selenium	81.9	74.9	4.13	59.3 - 90.5	47.0 - 103
Silver	57.6	53.9	9.00	43.0 - 64.8	37.8 - 70.0
Sodium	161	149	12.1	111 - 188	57.7 - 241
Strontium	100	96.2	4.04	78.1 - 114	69.0 - 123
Thallium	253	232	3.54	188 - 276	168 - 296

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Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	146	134	10.8	106 - 163	79.5 - 189
Titanium	449	340	7.20	70.2 - 609	44.9 - 711
Uranium	114	113	7.10	85.5 - 140	71.9 - 153
Vanadium	180	172	8.85	137 - 207	126 - 218
Zinc	217	211	6.58	171 - 250	147 - 274

ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8160	80.8	138	-	-
Antimony	120	60.9	50.8	135	-	-
Arsenic	144	135	93.8	184	-	-
Barium	469	443	94.5	158	-	-
Beryllium	207	197	95.0	148	-	-
Boron	213	174	81.8	107	-	-
Cadmium	224	204	91.3	199	-	-
Calcium	5190	4830	93.0	122	-	-
Chromium	138	132	95.5	172	-	-
Cobalt	182	179	98.4	140	-	-
Copper	191	184	96.3	183	-	-
Iron	15000	14400	95.6	133	-	-
Lead	225	216	96.2	204	-	-
Magnesium	2570	2340	91.2	122	-	-
Manganese	331	323	97.6	147	-	-
Mercury	16.8	13.2	78.3	128	-	-
Molybdenum	193	175	90.8	143	-	-
Nickel	163	152	93.1	185	-	-
Potassium	2420	2050	84.7	121	-	-
Selenium	81.9	74.9	91.5	163	-	-

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Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Silver	57.6	53.9	93.6	150	-	-
Sodium	161	149	92.8	105	-	-
Strontium	100	96.2	96.2	90	-	-
Thallium	253	232	91.6	147	-	-
Tin	146	134	92.0	100	-	-
Titanium	449	340	75.6	93	-	-
Uranium	114	113	98.8	35	-	-
Vanadium	180	172	95.4	139	-	-
Zinc	217	211	97.0	180	-	-

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor. The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product.

3. The **QC Performance Acceptance Limits (QC PALs™)**are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Data/Traceability** data include the mean value, percent recovery and number of data points reported by the laboratories in our Proficiency Testing study compared to the Certified Values. In addition, where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. This product is traceable to the lot numbers of its starting materials. All gravimetric and volumetric measurements related to its manufacture are traceable to NIST through an unbroken chain of comparisons.
Traceability Recovery (%) = [(% recovery certified standard)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

6. For additional information on this product such as intended use, instructions for use, level of homogeneity, and safety information, please refer to the provided Instruction Sheet

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller



Quality Officer

Matthew Seebeck



ISO/IEC GUIDE 34:2009 ACCREDITED REFERENCE MATERIAL PRODUCER CERTIFICATE NO. 1539.03

ISO/IEC 17025:2005 ACCREDITED CHEMICAL TESTING LABORATORY CERTIFICATE NO. 1539.02

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Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D105-540
Certificate Issue Date: March 19, 2019
Expiration Date: October 12, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 030512.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8800	8.32	4600 - 13000	4470 - 13100
Antimony	282	147	7.70	6.17 - 289	28.2 - 366
Arsenic	155	143	6.34	119 - 168	100 - 186
Barium	439	415	5.37	343 - 488	311 - 519
Beryllium	192	179	2.78	149 - 210	134 - 224
Boron	216	160	7.08	113 - 208	96.1 - 238
Cadmium	61.5	56.2	0.528	46.6 - 65.9	42.2 - 70.3
Calcium	5190	4960	6.64	4090 - 5840	3610 - 6310
Chromium	104	101	4.75	83.2 - 118	70.5 - 131
Cobalt	196	189	0.500	158 - 219	141 - 236
Copper	65.0	63.1	2.65	53.1 - 73.1	47.3 - 78.9
Iron	15000	15700	8.94	10100 - 21300	6000 - 25400
Lead	126	125	4.77	103 - 146	89.3 - 160
Magnesium	2570	2410	6.26	1860 - 2970	1520 - 3310
Manganese	387	382	5.37	315 - 449	290 - 474
Mercury	7.76	7.61	13.7	5.53 - 9.69	4.57 - 10.7
Molybdenum	120	107	0.500	86.0 - 128	75.5 - 139
Nickel	117	108	0.514	89.5 - 127	75.7 - 141
Potassium	2420	2110	5.62	1500 - 2720	1260 - 2960
Selenium	84.6	77.9	7.10	61.8 - 94.0	49.2 - 107
Silver	34.6	34.3	8.34	27.8 - 40.9	23.6 - 45.1
Sodium	161	145	6.72	106 - 183	54.3 - 235
Strontium	104	104	3.95	85.1 - 123	74.8 - 133
Thallium	123	113	0.500	91.3 - 134	77.1 - 149

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Reference Material

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Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	118	107	0.500	83.5 - 130	61.2 - 152
Titanium	512	421	5.80	114 - 728	0.00 - 854
Uranium	103	104	6.18	79.1 - 128	71.9 - 135
Vanadium	87.3	83.7	8.55	66.8 - 101	54.2 - 113
Zinc	251	240	3.98	194 - 285	168 - 312

ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8800	87.1	193	-	-
Antimony	282	147	52.3	216	-	-
Arsenic	155	143	92.5	240	-	-
Barium	439	415	94.6	222	-	-
Beryllium	192	179	93.4	220	-	-
Boron	216	160	74.2	152	-	-
Cadmium	61.5	56.2	91.5	239	-	-
Calcium	5190	4960	95.6	175	-	-
Chromium	104	101	96.8	237	-	-
Cobalt	196	189	96.2	215	-	-
Copper	65.0	63.1	97.1	237	-	-
Iron	15000	15700	105	195	-	-
Lead	126	125	99.0	243	-	-
Magnesium	2570	2410	93.9	177	-	-
Manganese	387	382	98.7	215	-	-
Mercury	7.76	7.61	98.0	157	-	-
Molybdenum	120	107	89.4	216	-	-
Nickel	117	108	92.5	235	-	-
Potassium	2420	2110	87.2	181	-	-
Selenium	84.6	77.9	92.1	231	-	-

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Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Silver	34.6	34.3	99.3	216	-	-
Sodium	161	145	89.8	166	-	-
Strontium	104	104	99.9	148	-	-
Thallium	123	113	91.8	215	-	-
Tin	118	107	90.4	164	-	-
Titanium	512	421	82.2	157	-	-
Uranium	103	104	101	61	-	-
Vanadium	87.3	83.7	95.9	214	-	-
Zinc	251	240	95.5	234	-	-

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this reference material during the period of validity of this certificate.

2. The **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor. The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product.

3. The **QC Performance Acceptance Limits (QC PALs™)**are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Data/Traceability** data include the mean value, percent recovery and number of data points reported by the laboratories in our Proficiency Testing study compared to the Certified Values. In addition, where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. This product is traceable to the lot numbers of its starting materials. All gravimetric and volumetric measurements related to its manufacture are traceable to NIST through an unbroken chain of comparisons.
Traceability Recovery (%) = [(% recovery certified standard)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

6. For additional information on this product such as intended use, instructions for use, level of homogeneity, and safety information, please refer to the provided Instruction Sheet

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Brian Miller

Quality Officer

Matthew Seebeck

ACCREDITED ACCREDITED

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Certified Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D109-540
Certificate Issue Date: March 24, 2020
Expiration Date: October 03, 2023
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 090119.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8130	2.54	3920 - 12300	4060 - 12200
Antimony	259	134	5.03	4.56 - 264	25.9 - 335
Arsenic	171	156	3.38	129 - 183	109 - 203
Barium	253	239	4.81	197 - 280	179 - 298
Beryllium	179	169	6.59	141 - 198	127 - 212
Boron	114	87.5	10.3	62.5 - 113	52.5 - 125
Cadmium	149	137	5.43	113 - 160	103 - 171
Calcium	5190	4760	3.48	3890 - 5640	3460 - 6070
Chromium	163	154	3.79	126 - 181	108 - 200
Cobalt	127	121	5.07	101 - 141	90.8 - 151
Copper	57.0	54.9	4.13	46.1 - 63.6	41.1 - 68.6
Iron	15000	14100	6.27	8470 - 19700	4920 - 23200
Lead	133	130	3.00	107 - 152	93.3 - 167
Magnesium	2570	2320	3.32	1760 - 2880	1440 - 3200
Manganese	277	269	2.67	221 - 317	199 - 340
Mercury	21.6	20.5	7.72	14.7 - 26.3	12.3 - 28.6
Molybdenum	108	95.4	2.61	76.4 - 114	66.9 - 124
Nickel	58.7	53.9	4.97	44.5 - 63.3	37.7 - 70.0
Potassium	2420	2020	3.06	1410 - 2630	1190 - 2850
Selenium	181	167	5.63	132 - 201	113 - 221
Silver	35.5	33.6	5.20	26.8 - 40.3	23.0 - 44.1
Sodium	161	133	2.76	95.1 - 171	46.5 - 220
Strontium	89.7	87.9	4.59	71.7 - 104	62.8 - 113
Thallium	121	112	5.19	90.3 - 133	76.1 - 147

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Certified Reference Material

▪ Certificate of Analysis ▪

Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	83.5	74.0	5.42	57.6 - 90.4	39.7 - 108
Titanium	474	333	7.17	48.6 - 617	46.3 - 620
Uranium	51.9	51.9	3.36	39.6 - 64.3	35.9 - 68.0
Vanadium	68.1	62.6	6.00	49.4 - 75.8	37.0 - 88.3
Zinc	165	158	2.34	128 - 188	111 - 205

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ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number[6]	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8130	80.5	196	-	-
Antimony	259	134	51.8	217	-	-
Arsenic	171	156	91.3	243	-	-
Barium	253	239	94.3	230	-	-
Beryllium	179	169	94.6	223	-	-
Boron	114	87.5	76.7	150	-	-
Cadmium	149	137	91.8	249	-	-
Calcium	5190	4760	91.8	184	-	-
Chromium	163	154	94.4	245	-	-
Cobalt	127	121	95.3	221	-	-
Copper	57.0	54.9	96.2	243	-	-
Iron	15000	14100	93.9	199	-	-
Lead	133	130	97.7	251	-	-
Magnesium	2570	2320	90.1	182	-	-
Manganese	277	269	97.2	220	-	-
Mercury	21.6	20.5	94.7	172	-	-
Molybdenum	108	95.4	88.3	218	-	-
Nickel	58.7	53.9	91.8	242	-	-
Potassium	2420	2020	83.5	187	-	-
Selenium	181	167	92.2	235	-	-
Silver	35.5	33.6	94.5	222	-	-
Sodium	161	133	82.7	177	-	-
Strontium	89.7	87.9	98.0	151	-	-
Thallium	121	112	92.2	219	-	-
Tin	83.5	74.0	88.6	170	-	-
Titanium	474	333	70.3	157	-	-
Uranium	51.9	51.9	100	60	-	-
Vanadium	68.1	62.6	91.9	213	-	-
Zinc	165	158	95.8	238	-	-

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1. The **Certified Values** are the actual gravimetric/volumetric "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor (k=2). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:
$U_{expanded} = k * SQRT((U_{char}^2) + (U_{homogen}^2) + (U_{LTS}^2) + (U_{STS}^2) + (U_{RSS}^2))$

Where:

$U_{expanded}$ = Expanded uncertainty.
k = Coverage factor.
U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.
$U_{homogen}$ = Standard uncertainty of the homogeneity assessment.
U_{LTS} = Standard uncertainty associated with long-term stability.
U_{STS} = Standard uncertainty associated with short-term (transport) stability.
U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this certified reference material alongside USEPA and NELAC compliant PT study materials. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and therefore, the acceptance limits of this certified reference material and any PT study material may differ relative to their difference in concentrations.

5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated internally by ERA.

6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = [(% recovery ERA certified reference material)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing this ERA certified reference material and/or it's associated stock solution(s) against the applicable NIST SRMs.

7. The **Reference Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The **Reference Values** represent the expected performance for the analytes in this standard. ERA recommends using the **Reference Values** when assessing or evaluating your results.

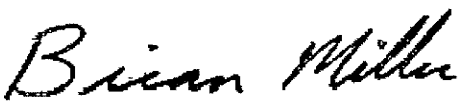
8. **Metrological Traceability**. This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.

9. For additional information on this product such as intended use, storage information, instructions for use, minimum sample size, and safety information, please refer to the Product Use Instructions provided.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller



Quality Officer

Matthew Seebeck



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Certified Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D113-540
Certificate Issue Date: March 23, 2021
Expiration Date: October 13, 2024
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 090119.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8630	12.0	4420 - 12800	4370 - 12900
Antimony	256	129	16.8	0.742 - 257	25.6 - 323
Arsenic	91.6	84.5	15.1	70.0 - 99.0	59.2 - 110
Barium	259	249	9.94	206 - 292	187 - 311
Beryllium	175	163	3.89	135 - 191	122 - 204
Boron	95.7	76.7	12.8	55.7 - 97.7	48.0 - 107
Cadmium	107	99.0	11.5	82.2 - 116	74.2 - 124
Calcium	5190	4760	11.8	3890 - 5640	3460 - 6070
Chromium	129	122	14.6	101 - 144	85.7 - 159
Cobalt	63.6	61.7	11.5	51.9 - 71.6	46.3 - 77.2
Copper	62.3	61.5	12.3	51.9 - 71.0	46.1 - 76.8
Iron	15000	14500	15.7	8860 - 20100	5190 - 23800
Lead	122	123	13.9	103 - 144	88.3 - 158
Lithium	6.42	7.30	18.7	5.13 - 9.48	3.20 - 11.4
Magnesium	2570	2360	8.87	1810 - 2920	1480 - 3250
Manganese	470	456	13.4	375 - 538	350 - 563
Mercury	22.1	18.9	14.5	13.0 - 24.8	11.3 - 26.4
Molybdenum	80.1	72.8	11.0	58.7 - 87.0	50.5 - 95.2
Nickel	143	135	14.2	112 - 158	94.7 - 176
Potassium	2420	2090	8.21	1480 - 2700	1240 - 2940
Selenium	128	121	11.7	96.9 - 146	80.4 - 162
Silver	45.4	44.1	6.69	35.5 - 52.8	30.7 - 57.6
Sodium	161	136	9.34	97.4 - 174	48.1 - 223
Strontium	82.2	82.3	8.42	67.4 - 97.1	58.6 - 106

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Certified Reference Material

▪ Certificate of Analysis ▪

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Thallium	154	144	7.54	117 - 171	101 - 187
Tin	89.7	79.8	14.0	62.2 - 97.4	43.5 - 116
Titanium	705	546	10.3	123 - 969	118 - 974
Uranium	29.5	30.9	3.38	23.9 - 37.9	21.3 - 40.5
Vanadium	196	186	14.2	148 - 224	138 - 235
Zinc	307	295	10.4	240 - 351	207 - 384

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▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D123-540
Certificate Issue Date: September 29, 2023
Expiration Date: June 01, 2027
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 111122.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	7680	6780	7.45	3590 - 9980	3240 - 10300
Antimony	257	127	7.67	D.L. - 255	25.7 - 318
Arsenic	360	311	5.66	254 - 368	218 - 405
Barium	332	304	10.3	249 - 359	228 - 380
Beryllium	183	169	2.30	140 - 198	127 - 211
Boron	320	229	8.37	159 - 300	138 - 352
Cadmium	238	212	2.84	175 - 250	159 - 265
Calcium	5490	5170	7.20	4240 - 6090	3770 - 6560
Chromium	199	180	7.49	146 - 213	126 - 234
Cobalt	88.7	81.6	14.9	67.9 - 95.4	61.2 - 102
Copper	227	205	23.1	170 - 240	154 - 256
Iron	7360	6510	7.13	3760 - 9260	736 - 13200
Lead	100	92.8	17.9	75.9 - 110	65.0 - 121
Lithium	146	132	6.88	82.7 - 182	92.0 - 172
Magnesium	1900	1700	6.98	1280 - 2110	946 - 2450
Manganese	591	531	12.5	429 - 633	410 - 652
Mercury	14.4	11.9	8.30	7.99 - 15.7	7.12 - 16.6
Molybdenum	155	136	2.46	108 - 163	96.1 - 175
Nickel	342	313	7.24	258 - 368	219 - 407
Potassium	1500	1370	6.70	991 - 1750	713 - 2030
Selenium	170	165	4.43	133 - 197	112 - 218
Silver	88.6	82.4	6.61	65.5 - 99.2	58.5 - 106
Sodium	527	486	7.85	361 - 611	289 - 683
Strontium	148	136	8.52	109 - 163	98.7 - 173

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Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Thallium	226	205	4.43	166 - 245	148 - 263
Tin	85.2	75.4	3.97	58.7 - 92.1	40.6 - 110
Titanium	382	306	8.28	77.0 - 535	98.3 - 514
Uranium	46.5	47.2	5.32	36.2 - 58.2	28.6 - 65.8
Vanadium	118	103	7.76	80.3 - 126	70.0 - 136
Zinc	183	166	6.60	133 - 200	117 - 216

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ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number[6]	Recovery
	mg/kg	mg/kg	%			%
Aluminum	7680	6780	88.3	109	-	-
Antimony	257	127	49.3	117	-	-
Arsenic	360	311	86.5	145	-	-
Barium	332	304	91.6	129	-	-
Beryllium	183	169	92.4	121	-	-
Boron	320	229	71.6	84	-	-
Cadmium	238	212	89.2	163	-	-
Calcium	5490	5170	94.1	97	-	-
Chromium	199	180	90.4	145	-	-
Cobalt	88.7	81.6	92.0	121	-	-
Copper	227	205	90.3	151	-	-
Iron	7360	6510	88.5	110	-	-
Lead	100	92.8	92.8	161	-	-
Lithium	146	132	90.6	35	-	-
Magnesium	1900	1700	89.4	100	-	-
Manganese	591	531	89.8	125	-	-
Mercury	14.4	11.9	82.4	95	-	-
Molybdenum	155	136	87.5	120	-	-
Nickel	342	313	91.5	150	-	-
Potassium	1500	1370	91.3	99	-	-
Selenium	170	165	97.0	132	-	-
Silver	88.6	82.4	93.0	124	-	-
Sodium	527	486	92.2	100	-	-
Strontium	148	136	91.9	84	-	-
Thallium	226	205	90.8	117	-	-
Tin	85.2	75.4	88.5	90	-	-
Titanium	382	306	80.1	87	-	-
Uranium	46.5	47.2	102	30	-	-
Vanadium	118	103	87.4	119	-	-
Zinc	183	166	91.0	146	-	-

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1. The **Certified Values** are the actual gravimetric/volumetric "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor (k=2). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:
$U_{expanded} = k * SQRT((U_{char}^2) + (U_{homogen}^2) + (U_{LTS}^2) + (U_{STS}^2) + (U_{RSS}^2))$

Where:

$U_{expanded}$ = Expanded uncertainty.
k = Coverage factor.
U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.
$U_{homogen}$ = Standard uncertainty of the homogeneity assessment.
U_{LTS} = Standard uncertainty associated with long-term stability.
U_{STS} = Standard uncertainty associated with short-term (transport) stability.
U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this certified reference material alongside USEPA and NELAC compliant PT study materials. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and therefore, the acceptance limits of this certified reference material and any PT study material may differ relative to their difference in concentrations.

5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated internally by ERA.

6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = [(% recovery ERA certified reference material)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing this ERA certified reference material and/or it's associated stock solution(s) against the applicable NIST SRMs.

7. The **Reference Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The **Reference Values** represent the expected performance for the analytes in this standard. ERA recommends using the **Reference Values** when assessing or evaluating your results.

8. **Metrological Traceability**. This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.

9. For additional information on this product such as intended use, storage information, instructions for use, minimum sample size, and safety information, please refer to the Product Use Instructions provided.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to era_info@waters.com.

This Certificate of Analysis is authorized by Waters ERA, Quality and Technical departments.

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▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D126-540
Certificate Issue Date: June 25, 2024
Expiration Date: January 17, 2028
Revision Number: 1.0
Revision Date: February 28, 2025

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 111122.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	7680	6840	17.4	3640 - 10000	3280 - 10400
Antimony	250	131	7.92	5.96 - 256	25.0 - 328
Arsenic	229	192	15.3	156 - 228	135 - 252
Barium	244	219	20.5	179 - 259	164 - 274
Beryllium	165	146	6.80	120 - 172	110 - 183
Boron	255	175	13.9	119 - 231	105 - 280
Cadmium	134	114	6.45	93.1 - 135	85.5 - 147
Calcium	4280	4080	14.7	3360 - 4800	2930 - 5240
Chromium	172	153	13.9	124 - 182	107 - 199
Cobalt	253	231	19.3	192 - 271	174 - 289
Copper	99.6	91.2	17.6	75.8 - 107	68.4 - 114
Iron	7360	7020	21.4	4260 - 9770	736 - 13800
Lead	153	141	18.2	115 - 167	102 - 180
Lithium	104	96.1	13.2	60.8 - 131	68.1 - 124
Magnesium	2060	1900	16.9	1450 - 2350	1110 - 2690
Manganese	442	401	19.4	324 - 477	305 - 497
Mercury	15.9	14.1	7.72	9.82 - 18.4	8.45 - 19.7
Molybdenum	165	144	6.21	115 - 173	102 - 186
Nickel	165	143	14.5	117 - 170	100 - 187
Potassium	1950	1760	15.6	1270 - 2250	999 - 2520
Selenium	107	94.7	9.78	74.3 - 115	61.2 - 128
Silver	83.9	77.0	10.1	61.1 - 92.9	54.6 - 99.4
Sodium	732	661	15.6	487 - 834	409 - 913

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Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Strontium	222	191	15.0	151 - 232	140 - 244
Thallium	208	183	6.96	147 - 219	131 - 235
Tin	111	99.0	10.8	77.2 - 121	56.1 - 142
Titanium	422	353	19.9	99.4 - 606	128 - 577
Uranium	20.9	20.0	13.9	15.1 - 25.0	8.44 - 31.6
Vanadium	179	159	13.9	125 - 194	116 - 203
Zinc	327	292	5.83	233 - 351	204 - 379

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ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number[6]	Recovery
	mg/kg	mg/kg	%			%
Aluminum	7680	6840	89.0	135	-	-
Antimony	250	131	52.5	145	-	-
Arsenic	229	192	84.0	242	-	-
Barium	244	219	89.7	165	-	-
Beryllium	165	146	88.7	153	-	-
Boron	255	175	68.5	109	-	-
Cadmium	134	114	85.1	243	-	-
Calcium	4280	4080	95.4	119	-	-
Chromium	172	153	89.2	185	-	-
Cobalt	253	231	91.5	144	-	-
Copper	99.6	91.2	91.6	238	-	-
Iron	7360	7020	95.3	133	-	-
Lead	153	141	92.2	255	-	-
Lithium	104	96.1	92.4	45	-	-
Magnesium	2060	1900	92.3	122	-	-
Manganese	442	401	90.7	143	-	-
Mercury	15.9	14.1	88.6	148	-	-
Molybdenum	165	144	87.2	145	-	-
Nickel	165	143	86.9	232	-	-
Potassium	1950	1760	90.2	128	-	-
Selenium	107	94.7	88.5	167	-	-
Silver	83.9	77.0	91.8	157	-	-
Sodium	732	661	90.3	117	-	-
Strontium	222	191	86.2	92	-	-
Thallium	208	183	88.0	147	-	-
Tin	111	99.0	89.1	102	-	-
Titanium	422	353	83.6	90	-	-
Uranium	20.9	20.0	95.9	31	-	-
Vanadium	179	159	89.0	146	-	-
Zinc	327	292	89.3	233	-	-

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Where:

$U_{expanded}$ = Expanded uncertainty.
k = Coverage factor.
U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.
$U_{homogen}$ = Standard uncertainty of the homogeneity assessment.
U_{LTS} = Standard uncertainty associated with long-term stability.
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The traceability data shown were compiled by analyzing this ERA certified reference material and/or it's associated stock solution(s) against the applicable NIST SRMs.

7. The **Reference Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The **Reference Values** represent the expected performance for the analytes in this standard. ERA recommends using the **Reference Values** when assessing or evaluating your results.

8. **Metrological Traceability.** This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.

9. For additional information on this product such as intended use, storage information, instructions for use, minimum sample size, and safety information, please refer to the Product Use Instructions provided.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to era_info@waters.com.

This Certificate of Analysis is authorized by Waters ERA, Quality and Technical departments.

Calculation of 7470A Mercury

Calculate Mercury concentration from the daily calibration curve. The curve is generated utilizing a straight-line equation defined as:

$$A = k1 + k2C$$

Where:

A = Average peak height of the sample/standard integrations
C = Sample/Standard Concentration, µg/L
k1 = y-intercept
k2 = slope

The instrument will plot peak height against concentration (µg/L). The result is generated in µg/L . This value is divided by 1000 to convert the units to mg/L. If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

Result, mg/L = (concentration, µg/L) x (1mg/1000µg) x (DF)

Calculation of 7471B Mercury

Calculate Mercury concentration from the daily calibration curve. The curve is generated utilizing a straight-line equation defined as:

$$A = k1 + k2C$$

Where:

A = Average peak height of the sample/standard integrations
C = Sample/Standard Concentration, µg/L
k1 = y-intercept
k2 = slope

The instrument will plot peak height against concentration (µg/L). The result is generated in µg/L . This value is divided by 1000 to convert the units to mg/L. If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

Result, mg/L = (concentration, µg/L) x (1mg/1000µg) x (DF)

The result in mg/kg is calculated on a dry weight basis using the sample weight digested(Wt), the final volume of the digestate(FV), and the percent total solids(%TS).

Result, mg/kg, wet = ((result, mg/L) x (FV)) /Wt

Result, mg/kg, dry wt = (Result, mg/kg wet)/(%TS)

No.	Sample No.	NAME	curve: WG2144510
1	1	STD	
2	2	STD	
3	3	STD	
4	4	STD	
5	5	STD	
6	6	STD	
7	7	STD	
8	8	STD	
1	9	ICV	
2	10	ICB	
3	11	WG2144663-1	WG2144663
4	12	WG2144663-2	WG2144663
5	13	L2571628-13	WG2144663
6	14	WG2144663-3	WG2144663
7	15	WG2144663-4	WG2144663
8	16	L2572956-01	WG2144663
9	17	L2573991-04	WG2144663
10	18	L2573991-05	WG2144663
11	19	L2573991-07	WG2144663
12	20	WG2146078-1	WG2146078
13	21	Check STD(10ug/L)	
14	22	Check Blank	
15	23	WG2146078-2	WG2146078
16	24	L2568519-01	WG2146078
17	25	WG2146078-3	WG2146078
18	26	WG2146078-4	WG2146078
19	27	L2568519-02	WG2146078
20	28	L2568519-03	WG2146078
21	29	L2568519-04	WG2146078
22	30	L2572542-01	WG2146078
23	31	L2573888-03	WG2146078
24	32	L2573888-04	WG2146078
25	33	Check STD(10ug/L)	
26	34	Check Blank	
27	35	L2573888-06	WG2146078
28	36	L2573888-38	WG2146078
29	37	L2573888-40	WG2146078
30	38	L2573888-42	WG2146078
31	39	L2573888-44	WG2146078
32	40	L2573888-46	WG2146078
33	41	L2574418-01	WG2146078
34	42	L2574898-15	WG2146078
35	43	L2574898-16	WG2146078

36	44	L2573001-01 WG2144695
37	45	Check STD(10ug/L)
38	46	Check Blank
39	47	L2573005-01 WG2144695
40	48	L2573098-01 WG2144695
41	49	L2573098-02 WG2144695
42	50	L2573098-03 WG2144695
43	51	L2573107-01 WG2144695
44	52	L2573264-04 WG2144695
45	53	L2573264-15 WG2144695
46	54	L2570679-01 WG2145005
47	55	L2570679-03 WG2145005
48	56	L2570679-04 WG2145005
49	57	Check STD(10ug/L)
50	58	Check Blank
51	59	L2570679-05 WG2145005
52	60	L2570679-07 WG2145005
53	61	L2570679-09 WG2145005
54	62	L2570679-10 WG2145005
55	63	L2570679-11 WG2145005
56	64	L2570679-13 WG2145005
57	65	L2570679-15 WG2145005
58	66	L2570679-16 WG2145005
59	67	L2570679-17 WG2145005
60	68	L2570679-19 WG2145005
61	69	Check STD(10ug/L)
62	70	Check Blank
63	71	WG2146207-1d2 WG2146207
64	72	WG2146207-2d2 WG2146207
65	73	WG2146207-3d2 WG2146207
66	74	L2574611-01d2 WG2146207
67	75	L2574635-02d2 WG2146207
68	1	Check STD(10ug/L)
69	2	Check Blank
70	3	WG2146349-1 WG2146349
71	4	WG2146349-2d5 WG2146349
72	5	WG2146349-3d5 WG2146349
73	6	l2572934-01 WG2146349
74	7	l2572934-02 WG2146349
75	8	L2574432-01 WG2145770
76	9	L2574432-02 WG2145770
77	10	L2574432-03 WG2145770
78	11	L2574432-04 WG2145770
79	12	L2574432-05 WG2145770

80	13	Check STD(10ug/L)
81	14	Check Blank
82	15	L2574432-06 WG2145770
83	16	L2574432-07 WG2145770
84	17	L2574432-08 WG2145770
85	18	L2574432-09 WG2145770
86	19	L2574432-10 WG2145770
87	20	L2574432-11 WG2145770
88	21	L2574432-12 WG2145770
89	22	L2574497-01 WG2145770
90	23	L2574497-02 WG2145770
91	25	xCheck std(10ug/L)
92	25	Check STD(10ug/L)
93	26	Check Blank
94	27	L2572799-01 WG2144538
95	28	L2572799-02 WG2144538
96	29	L2572799-03 WG2144538
97	30	L2573104-01 WG2144538
98	31	L2573104-02 WG2144538
99	32	L2573104-03 WG2144538
100	33	L2573411-01 WG2144538
101	34	L2573513-01 WG2144538
102	35	l2572916-01 WG2144179
103	36	l2572916-02 WG2144179
104	37	Check STD(10ug/L)
105	38	Check Blank
106	39	l2572916-03 WG2144179
107	40	l2572916-04 WG2144179
108	41	l2572988-01 WG2144179
109	42	l2572988-02 WG2144179
110	43	l2572988-03 WG2144179
111	44	l2573068-01 WG2144179
112	45	l2573068-02 WG2144179
113	46	l2573383-01 WG2144179
114	47	l2573383-02 WG2144179
115	48	Xl2573489-01 WG2144179
116	49	Check STD(10ug/L)
117	50	Check Blank
118	51	l2573489-02 WG2144179
119	52	l2573489-03 WG2144179
120	53	l2573492-01 WG2144179
121	54	l2573492-02 WG2144179
122	55	l2573489-01 WG2144179
123	56	XWG2146349-2d5 WG2146349

124	57	Check STD(10ug/L)
125	58	Check Blank

No.	Sample No.	NAME	CURVE: WG2145562
1	1	STD	
2	3	STD	
3	4	STD	
4	5	STD	
5	6	STD	
6	7	STD	
7	8	STD	
1	9	ICV	
2	10	ICB	
3	11	WG2146094-1	WG2146094
4	12	WG2146094-2	WG2146094
5	13	L2574898-13	WG2146094
6	14	WG2146094-3	WG2146094
7	15	WG2146094-4	WG2146094
8	16	L2574898-14	WG2146094
9	17	WG2146094-5	WG2146094
10	18	WG2146094-6	WG2146094
11	19	L2574897-01	WG2146094
12	20	L2574897-02	WG2146094
13	21	Check STD(10ug/L)	
14	22	Check Blank	
15	23	L2574897-03	WG2146094
16	24	L2574897-04	WG2146094
17	25	L2574897-05	WG2146094
18	26	L2574897-06	WG2146094
19	27	L2574898-01	WG2146094
20	28	L2574898-02	WG2146094
21	29	L2574898-03	WG2146094
22	30	L2574898-04	WG2146094
23	31	L2574898-05	WG2146094
24	32	L2574898-06	WG2146094
25	33	Check STD(10ug/L)	
26	34	Check Blank	
27	35	L2574898-07	WG2146094
28	36	L2574898-08	WG2146094
29	37	L2574898-09	WG2146094
30	38	L2574898-10	WG2146094
31	39	L2574898-11	WG2146094
32	40	L2574898-12	WG2146094
33	41	WG2146623-1	WG2146623
34	42	WG2146623-2	WG2146623
35	43	l2573335-01	WG2146623
36	44	WG2146623-3	WG2146623

37	45	Check STD(10ug/L)
38	46	Check Blank
39	47	WG2146623-4 WG2146623
40	48	L2574497-06 WG2146503
41	49	L2574861-02 WG2146503
42	50	L2574861-03 WG2146503
43	51	WG2146818-1 WG2146818
44	52	WG2146818-2 WG2146818
45	53	L2572002-11 WG2146818
46	54	WG2146818-3 WG2146818
47	55	WG2146818-4 WG2146818
48	56	L2572835-02 WG2146818
49	57	Check STD(10ug/L)
50	58	Check Blank
51	59	L2575162-01 WG2146818
52	60	L2575316-01 WG2146818
53	61	L2575316-02 WG2146818
54	62	WG2146605-1 WG2146605
55	63	WG2146605-2 WG2146605
56	64	L2570789-02 WG2146605
57	65	WG2146605-3 WG2146605
58	66	WG2146605-4 WG2146605
59	67	L2570789-03 WG2146605
60	68	L2572835-01 WG2146605
61	69	Check STD(10ug/L)
62	70	Check Blank
63	71	L2573721-02 WG2146605
64	72	L2573791-01 WG2146605
65	73	L2574712-04 WG2146605
66	74	xL2574712-05 WG2146605
67	75	L2574712-06 WG2146605
68	76	L2574712-07 WG2146605
69	77	L2574712-08 WG2146605
70	78	L2574851-01 WG2146605
71	79	L2574851-02 WG2146605
72	80	L2574851-04 WG2146605
73	1	Check STD(10ug/L)
74	2	Check Blank
75	3	L2574851-05 WG2146605
76	4	L2574712-05d10 WG2146605
77	5	WG2146870-1 WG2146870
78	6	WG2146870-2 WG2146870
79	7	L2572550-01 WG2146870
80	8	WG2146870-3 WG2146870

81	9	WG2146870-4 WG2146870
82	10	WG2146607-1 WG2146607
83	11	WG2146607-2 WG2146607
84	12	L2574303-04 WG2146607
85	13	Check STD(10ug/L)
86	14	Check Blank
87	15	WG2146607-3 WG2146607
88	16	WG2146607-4 WG2146607
89	17	L2573100-01 WG2146607
90	18	L2574138-01 WG2146607
91	19	L2574138-02 WG2146607
92	20	L2574138-03 WG2146607
93	21	L2574138-04 WG2146607
94	22	L2574303-01 WG2146607
95	23	L2574303-02 WG2146607
96	24	L2574303-03 WG2146607
97	25	Check STD(10ug/L)
98	26	Check Blank
99	27	L2574749-01 WG2146607
100	28	WG2147022-1 WG2147022
101	29	WG2147022-2 WG2147022
102	30	WG2147022-3 WG2147022
103	31	WG2147022-4 WG2147022
104	32	WG2147022-5 WG2147022
105	33	l2573979-02 WG2146349
106	34	l2573979-03 WG2146349
107	35	l2574522-01 WG2146349
108	36	l2574522-02 WG2146349
109	37	Check STD(10ug/L)
110	38	Check Blank

METALS ELN REPORT

Workgroup: WG2146078

Digestion

Prep Method	Acid Type 1	Acid 1 Lot	Spike Type	Lims Spike Lot	Spike Lot	Post Spike Spikelot	Spike Lot	Srm Spikelot	Use Srm For Lcs	Pipette Id
EPA 7471B	Aqua Regia	AR112525CLH	METALS	METSPIKE	HG111625GANV2	METSPIKE	HG111625GANV2	NA	N	396

Additional Reagent/Std	KMnO4	PP112125SAM
	NaCl-NH2OH.HCl	HH2548211833CNE
		ICV111125NRS

Sample/ Type	Digestion Date	Analyst	Sample Weight g	Balance Id	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2568519-01 SAMP	11/25/25 00:52	Christine Hamor	0.381	20		11/25/25 00:52	2082	95.1	11/25/25 01:12	50	
L2568519-02 SAMP	11/25/25 00:52	Christine Hamor	0.376	20		11/25/25 00:52	2082	95.1	11/25/25 01:12	50	
L2568519-03 SAMP	11/25/25 00:52	Christine Hamor	0.363	20		11/25/25 00:52	2082	95.1	11/25/25 01:12	50	
L2568519-04 SAMP	11/25/25 00:52	Christine Hamor	0.367	20		11/25/25 00:52	2082	95.1	11/25/25 01:12	50	
L2572542-01 SAMP	11/25/25 00:52	Christine Hamor	0.372	20		11/25/25 00:52	2082	95.1	11/25/25 01:12	50	
L2573888-03 SAMP	11/25/25 00:52	Christine Hamor	0.398	20		11/25/25 00:52	2082	95.1	11/25/25 01:12	50	
L2573888-04 SAMP	11/25/25 00:52	Christine Hamor	0.351	20		11/25/25 00:52	2082	95.1	11/25/25 01:12	50	
L2573888-06 SAMP	11/25/25 00:52	Christine Hamor	0.349	20		11/25/25 00:52	2082	95.1	11/25/25 01:12	50	
L2573888-38 SAMP	11/25/25 00:52	Christine Hamor	0.393	20		11/25/25 00:52	2082	95.1	11/25/25 01:12	50	

METALS ELN REPORT

Workgroup: WG2146078

Sample/ Type	Digestion Date	Analyst	Sample Weight g	Balance Id	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2573888-40 SAMP	11/25/25 00:52	Christine Hamor	0.339	20		11/25/25 00:52	2082	95.1	11/25/25 01:12	50	
L2573888-42 SAMP	11/25/25 00:52	Christine Hamor	0.390	20		11/25/25 00:52	2082	95.1	11/25/25 01:12	50	
L2573888-44 SAMP	11/25/25 00:52	Christine Hamor	0.338	20		11/25/25 00:52	2082	95.1	11/25/25 01:12	50	
L2573888-46 SAMP	11/25/25 00:52	Christine Hamor	0.398	20		11/25/25 00:52	2082	95.1	11/25/25 01:12	50	
L2574418-01 SAMP	11/25/25 00:52	Christine Hamor	0.388	20		11/25/25 00:52	2082	95.1	11/25/25 01:12	50	
L2574898-15 SAMP	11/25/25 00:52	Christine Hamor	0.370	20		11/25/25 00:52	2082	95.1	11/25/25 01:12	50	
L2574898-16 SAMP	11/25/25 00:52	Christine Hamor	0.370	20		11/25/25 00:52	2082	95.1	11/25/25 01:12	50	
WG2146078-1 BLANK	11/25/25 00:52	Christine Hamor	0.3	20		11/25/25 00:52	2082	95.1	11/25/25 01:12	50	Boiling Stones: 33762618
WG2146078-2 LCS	11/25/25 00:52	Christine Hamor	0.3	20	5.0	11/25/25 00:52	2082	95.1	11/25/25 01:12	50	ELN check: ARM
WG2146078-3 MS	11/25/25 00:52	Christine Hamor	0.362	20	5.0	11/25/25 00:52	2082	95.1	11/25/25 01:12	50	
WG2146078-4 DUP	11/25/25 00:52	Christine Hamor	0.360	20		11/25/25 00:52	2082	95.1	11/25/25 01:12	50	

Reported: 28-NOV-25 10:40 AM

Reagent	Actual Volume	Units
Aqua Regia	2.5	ml
Potassium Permanganat	7.5	ml
NaCl-Hydroxylamine Hy	3	ml

METALS ELN REPORT

Workgroup: WG2146094

Digestion

Prep Method	Acid Type 1	Acid 1 Lot	Spike Type	Lims Spike Lot	Spike Lot	Post Spike Spikelot	Spike Lot	Srm Spikelot	Use Srm For Lcs	Pipette Id
EPA 7471B	Aqua Regia	AR112525C LHV1	METALS	METSPIKE	HG111625G ANV2	METSPIKE	HG111625G ANV2	NA	N	396

Additional Reagent/Std	KMnO4	PP112125SAM
	NaCl-NH2OH.HCl	HH2548211833CNE
		ICV111125NRS

Sample/ Type	Digestion Date	Analyst	Sample Weight g	Balance Id	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2574897-01 SOIL	11/25/25 03:18	Christine Hamor	0.374	20		11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
L2574897-02 SOIL	11/25/25 03:18	Christine Hamor	0.388	20		11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
L2574897-03 SOIL	11/25/25 03:18	Christine Hamor	0.371	20		11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
L2574897-04 SOIL	11/25/25 03:18	Christine Hamor	0.364	20		11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
L2574897-05 SOIL	11/25/25 03:18	Christine Hamor	0.367	20		11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
L2574897-06 SOIL	11/25/25 03:18	Christine Hamor	0.357	20		11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
L2574898-01 SAMP	11/25/25 03:18	Christine Hamor	0.356	20		11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
L2574898-02 SAMP	11/25/25 03:18	Christine Hamor	0.383	20		11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
L2574898-03 SAMP	11/25/25 03:18	Christine Hamor	0.365	20		11/25/25 03:18	2082	93.7	11/25/25 03:48	50	

Reported: 28-NOV-25 10:41 AM

METALS ELN REPORT

Workgroup: WG2146094

Sample/ Type	Digestion Date	Analyst	Sample Weight g	Balance Id	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2574898-04 SAMP	11/25/25 03:18	Christine Hamor	0.398	20		11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
L2574898-05 SAMP	11/25/25 03:18	Christine Hamor	0.378	20		11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
L2574898-06 SAMP	11/25/25 03:18	Christine Hamor	0.344	20		11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
L2574898-07 SAMP	11/25/25 03:18	Christine Hamor	0.388	20		11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
L2574898-08 SAMP	11/25/25 03:18	Christine Hamor	0.353	20		11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
L2574898-09 SAMP	11/25/25 03:18	Christine Hamor	0.340	20		11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
L2574898-10 SAMP	11/25/25 03:18	Christine Hamor	0.370	20		11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
L2574898-11 SAMP	11/25/25 03:18	Christine Hamor	0.366	20		11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
L2574898-12 SAMP	11/25/25 03:18	Christine Hamor	0.394	20		11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
L2574898-13 SAMP	11/25/25 03:18	Christine Hamor	0.374	20		11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
L2574898-14 SAMP	11/25/25 03:18	Christine Hamor	0.392	20		11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
WG2146094-1 BLANK	11/25/25 03:18	Christine Hamor	0.3	20		11/25/25 03:18	2082	93.7	11/25/25 03:48	50	33762618

Reported: 28-NOV-25 10:41 AM

METALS ELN REPORT

Workgroup: WG2146094

Sample/ Type	Digestion Date	Analyst	Sample Weight g	Balance Id	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
WG2146094-2 LCS	11/25/25 03:18	Christine Hamor	0.3	20	5.0	11/25/25 03:18	2082	93.7	11/25/25 03:48	50	ELN check: ADG
WG2146094-3 MS	11/25/25 03:18	Christine Hamor	0.383	20	5.0	11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
WG2146094-4 MSD	11/25/25 03:18	Christine Hamor	0.381	20	5.0	11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
WG2146094-5 MS	11/25/25 03:18	Christine Hamor	0.359	20	5.0	11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
WG2146094-6 MSD	11/25/25 03:18	Christine Hamor	0.394	20	5.0	11/25/25 03:18	2082	93.7	11/25/25 03:48	50	

Reagent	Actual Volume	Units
Aqua Regia	2.5	ml
Potassium Permanganat	7.5	ml
NaCl-Hydroxylamine Hy	3	ml

Reported: 28-NOV-25 10:41 AM

Data Package



ANALYTICAL. LIFE. SERVICE.

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

December 1, 2025

Thoren Giannuzzi
NYDEC_HRP Associates - Clifton Park, NY
1 Fairchild Square, Suite 110
Clifton Park, NY 12065

Project Location: 2 Corning Boulevard, Corning, NY
Client Job Number:
Project Number: 851050
Laboratory Work Order Number: 25K1216

Enclosed are results of analyses for samples as received by the laboratory on November 20, 2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Raymond J. McCarthy
Project Manager

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Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

NYDEC_HRP Associates - Clifton Park, NY
1 Fairchild Square, Suite 110
Clifton Park, NY 12065
ATTN: Thoren Giannuzzi

REPORT DATE: 12/1/2025

PURCHASE ORDER NUMBER: 153522

PROJECT NUMBER: 851050

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 25K1216

The results of analyses performed on the following samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, are found in this report.

PROJECT LOCATION: 2 Corning Boulevard, Corning, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
D-3 (0-2in)	25K1216-01	Soil		SM 2540G	
				SW-846 6010D	M-MA-086/CT PH-0826/NY11148
				SW-846 8270E	
				varies	M-MA-086/CT PH-0826/NY11148
D-3 (2-12in)	25K1216-02	Soil		SM 2540G	
				SW-846 6010D	M-MA-086/CT PH-0826/NY11148
				SW-846 8270E	
				varies	M-MA-086/CT PH-0826/NY11148
E-2 (0-2in)	25K1216-03	Soil		SM 2540G	
				SW-846 6010D	M-MA-086/CT PH-0826/NY11148
				SW-846 8270E	
				varies	M-MA-086/CT PH-0826/NY11148
E-2 (2-12in)	25K1216-04	Soil		SM 2540G	
				SW-846 6010D	M-MA-086/CT PH-0826/NY11148
				SW-846 8270E	
				varies	M-MA-086/CT PH-0826/NY11148
E-3 (0-2in)	25K1216-05	Soil		SM 2540G	
				SW-846 6010D	M-MA-086/CT PH-0826/NY11148
				SW-846 8270E	
				varies	M-MA-086/CT PH-0826/NY11148
E-3 (2-12in)	25K1216-06	Soil		SM 2540G	
				SW-846 6010D	M-MA-086/CT PH-0826/NY11148
				SW-846 8270E	
				varies	M-MA-086/CT PH-0826/NY11148

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For any Soil analysis, the Method Blank, LCS, and LCSD are reported on a 100% solids basis.

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

SW-846 8270E

Qualifications:

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Benzaldehyde
B417963-BSD1

MS-09

Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

2-Methylnaphthalene
25K1216-01[D-3 (0-2in)], B417963-MS1, B417963-MSD1

3,3-Dichlorobenzidine
25K1216-01[D-3 (0-2in)], B417963-MS1, B417963-MSD1

4-Chloroaniline
25K1216-01[D-3 (0-2in)], B417963-MS1, B417963-MSD1

4-Nitroaniline
25K1216-01[D-3 (0-2in)], B417963-MS1, B417963-MSD1

Aniline
25K1216-01[D-3 (0-2in)], B417963-MS1, B417963-MSD1

Benzaldehyde
25K1216-01[D-3 (0-2in)], B417963-MS1, B417963-MSD1

Hexachlorocyclopentadiene
25K1216-01[D-3 (0-2in)], B417963-MS1, B417963-MSD1

Hexachloroethane
25K1216-01[D-3 (0-2in)], B417963-MS1, B417963-MSD1

Pentachlorophenol
25K1216-01[D-3 (0-2in)], B417963-MS1, B417963-MSD1

Pyridine
25K1216-01[D-3 (0-2in)], B417963-MS1, B417963-MSD1

Pace Analytical Services, LLC - East Longmeadow, Ma

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MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

1-Methylnaphthalene
B417963-MS1

2,3,4,6-Tetrachlorophenol
B417963-MS1

2-Chloronaphthalene
B417963-MS1

2-Nitroaniline
B417963-MS1

4-Bromophenylphenylether
B417963-MS1

4-Chlorophenylphenylether
B417963-MS1

Acenaphthene
B417963-MS1

Acenaphthylene
B417963-MS1

Acetophenone
B417963-MS1

Anthracene
B417963-MS1

Benzo(g,h,i)perylene
B417963-MS1

Bis(2-chloroethoxy)methane
B417963-MS1

Bis(2-chloroethyl)ether
B417963-MS1

Caprolactam
B417963-MS1

Carbazole
B417963-MS1

Dibenz(a,h)anthracene
B417963-MS1

Dibenzofuran
B417963-MS1

Fluorene
B417963-MS1

Hexachlorobutadiene
B417963-MS1

Indeno(1,2,3-cd)pyrene
B417963-MS1

Naphthalene
B417963-MS1

Nitrobenzene
B417963-MS1

N-Nitrosodi-n-propylamine
B417963-MS1

N-Nitrosodiphenylamine/Diphenylamine
B417963-MS1

Pace Analytical Services, LLC - East Longmeadow, Ma

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R-06

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:

3,3-Dichlorobenzidine
25K1216-01[D-3 (0-2in)], B417963-MS1, B417963-MSD1

3-Nitroaniline
B417963-MS1, B417963-MSD1

Hexachlorocyclopentadiene
25K1216-01[D-3 (0-2in)], B417963-MS1, B417963-MSD1

Pentachlorophenol
25K1216-01[D-3 (0-2in)], B417963-MS1, B417963-MSD1

V-04

Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
25K1216-01[D-3 (0-2in)], 25K1216-02[D-3 (2-12in)], 25K1216-03[E-2 (0-2in)], 25K1216-04[E-2 (2-12in)], 25K1216-05[E-3 (0-2in)], 25K1216-06[E-3 (2-12in)], B417963-BLK1, B417963-BS1, B417963-BSD1, B417963-MS1, B417963-MSD1, S129060-CCV1

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
25K1216-01[D-3 (0-2in)], 25K1216-02[D-3 (2-12in)], 25K1216-03[E-2 (0-2in)], 25K1216-04[E-2 (2-12in)], 25K1216-05[E-3 (0-2in)], 25K1216-06[E-3 (2-12in)], B417963-BLK1, B417963-BS1, B417963-BSD1, B417963-MS1, B417963-MSD1, S129060-CCV1

Atrazine
25K1216-01[D-3 (0-2in)], 25K1216-02[D-3 (2-12in)], 25K1216-03[E-2 (0-2in)], 25K1216-04[E-2 (2-12in)], 25K1216-05[E-3 (0-2in)], 25K1216-06[E-3 (2-12in)], B417963-BLK1, B417963-BS1, B417963-BSD1, B417963-MS1, B417963-MSD1, S129060-CCV2

Bis(2-Ethylhexyl)phthalate
25K1216-01[D-3 (0-2in)], 25K1216-02[D-3 (2-12in)], 25K1216-03[E-2 (0-2in)], 25K1216-04[E-2 (2-12in)], 25K1216-05[E-3 (0-2in)], 25K1216-06[E-3 (2-12in)], B417963-BLK1, B417963-BS1, B417963-BSD1, B417963-MS1, B417963-MSD1, S129060-CCV1

Di-n-octylphthalate
25K1216-01[D-3 (0-2in)], 25K1216-02[D-3 (2-12in)], 25K1216-03[E-2 (0-2in)], 25K1216-04[E-2 (2-12in)], 25K1216-05[E-3 (0-2in)], 25K1216-06[E-3 (2-12in)], B417963-BLK1, B417963-BS1, B417963-BSD1, B417963-MS1, B417963-MSD1, S129060-CCV1

V-34

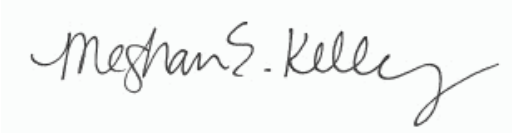
Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Aniline
25K1216-01[D-3 (0-2in)], 25K1216-02[D-3 (2-12in)], 25K1216-03[E-2 (0-2in)], 25K1216-04[E-2 (2-12in)], 25K1216-05[E-3 (0-2in)], 25K1216-06[E-3 (2-12in)], B417963-BLK1, B417963-BS1, B417963-BSD1, B417963-MS1, B417963-MSD1, S129060-CCV1

Benzaldehyde
25K1216-01[D-3 (0-2in)], 25K1216-02[D-3 (2-12in)], 25K1216-03[E-2 (0-2in)], 25K1216-04[E-2 (2-12in)], 25K1216-05[E-3 (0-2in)], 25K1216-06[E-3 (2-12in)], B417963-BLK1, B417963-BS1, B417963-BSD1, B417963-MS1, B417963-MSD1, S129060-CCV2

The results of analyses reported only relate to samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Meghan E. Kelley
Reporting Specialist

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1216

Date Received: 11/20/2025

Field Sample #: D-3 (0-2in) Sampled: 11/17/2025 15:20

Sample ID: 25K1216-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,3,4,6-Tetrachlorophenol	ND	0.82	0.058	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
Atrazine	ND	0.82	0.057	mg/Kg dry	1	V-06	SW-846 8270E	11/21/25	11/25/25 16:12	BGL
Benzaldehyde	ND	0.41	0.057	mg/Kg dry	1	V-34, MS-09	SW-846 8270E	11/21/25	11/25/25 16:12	BGL
Biphenyl	ND	0.082	0.046	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
Caprolactam	ND	0.41	0.071	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
Acenaphthene	0.015	0.040	0.0045	mg/Kg dry	1	J	SW-846 8270E	11/21/25	11/25/25 16:12	BGL
Acenaphthylene	0.015	0.040	0.0051	mg/Kg dry	1	J	SW-846 8270E	11/21/25	11/25/25 16:12	BGL
Acetophenone	ND	0.41	0.043	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
Aniline	ND	0.41	0.078	mg/Kg dry	1	V-34, MS-09	SW-846 8270E	11/21/25	11/25/25 16:12	BGL
Anthracene	0.071	0.040	0.0046	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
Benzo(a)anthracene	0.48	0.040	0.0063	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
Benzo(a)pyrene	0.62	0.040	0.014	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
Benzo(b)fluoranthene	0.86	0.040	0.010	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
Benzo(g,h,i)perylene	0.54	0.040	0.016	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
Benzo(k)fluoranthene	0.31	0.040	0.0083	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
Bis(2-chloroethoxy)methane	ND	0.41	0.042	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
Bis(2-chloroethyl)ether	ND	0.41	0.055	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
2,2'-oxybis(1-Chloropropane)	ND	0.41	0.17	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
Bis(2-Ethylhexyl)phthalate	0.099	0.41	0.056	mg/Kg dry	1	V-06, J	SW-846 8270E	11/21/25	11/25/25 16:12	BGL
4-Bromophenylphenylether	ND	0.41	0.036	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
Butylbenzylphthalate	0.050	0.41	0.047	mg/Kg dry	1	J	SW-846 8270E	11/21/25	11/25/25 16:12	BGL
Carbazole	0.059	0.21	0.043	mg/Kg dry	1	J	SW-846 8270E	11/21/25	11/25/25 16:12	BGL
4-Chloroaniline	ND	0.80	0.066	mg/Kg dry	1	MS-09	SW-846 8270E	11/21/25	11/25/25 16:12	BGL
4-Chloro-3-methylphenol	ND	0.80	0.043	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
2-Chloronaphthalene	ND	0.41	0.036	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
2-Chlorophenol	ND	0.41	0.036	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
4-Chlorophenylphenylether	ND	0.41	0.038	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
Chrysene	0.60	0.040	0.0052	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
Dibenz(a,h)anthracene	0.10	0.040	0.018	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
Dibenzofuran	ND	0.41	0.040	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
Di-n-butylphthalate	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
3,3-Dichlorobenzidine	ND	0.21	0.074	mg/Kg dry	1	R-06, MS-09	SW-846 8270E	11/21/25	11/25/25 16:12	BGL
2,4-Dichlorophenol	ND	0.41	0.039	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
Diethylphthalate	ND	0.41	0.040	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
2,4-Dimethylphenol	ND	0.41	0.085	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
Dimethylphthalate	ND	0.41	0.037	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
4,6-Dinitro-2-methylphenol	ND	0.41	0.34	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
2,4-Dinitrophenol	ND	0.80	0.39	mg/Kg dry	1	V-04, V-06	SW-846 8270E	11/21/25	11/25/25 16:12	BGL
2,4-Dinitrotoluene	ND	0.41	0.098	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
2,6-Dinitrotoluene	ND	0.41	0.052	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
Di-n-octylphthalate	ND	0.41	0.061	mg/Kg dry	1	V-06	SW-846 8270E	11/21/25	11/25/25 16:12	BGL
Fluoranthene	1.3	0.040	0.0057	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
Fluorene	0.019	0.040	0.0049	mg/Kg dry	1	J	SW-846 8270E	11/21/25	11/25/25 16:12	BGL
Hexachlorobenzene	ND	0.41	0.042	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1216

Date Received: 11/20/2025

Field Sample #: D-3 (0-2in) Sampled: 11/17/2025 15:20

Sample ID: 25K1216-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.41	0.042	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
Hexachlorocyclopentadiene	ND	0.41	0.21	mg/Kg dry	1	R-06, MS-09	SW-846 8270E	11/21/25	11/25/25 16:12	BGL
Hexachloroethane	ND	0.41	0.037	mg/Kg dry	1	MS-09	SW-846 8270E	11/21/25	11/25/25 16:12	BGL
Indeno(1,2,3-cd)pyrene	0.56	0.040	0.017	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
Isophorone	ND	0.41	0.044	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
1-Methylnaphthalene	ND	0.040	0.0051	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
2-Methylnaphthalene	ND	0.040	0.0046	mg/Kg dry	1	MS-09	SW-846 8270E	11/21/25	11/25/25 16:12	BGL
2-Methylphenol	ND	0.41	0.052	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
3/4-Methylphenol	ND	0.41	0.068	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
Naphthalene	0.0093	0.040	0.0058	mg/Kg dry	1	J	SW-846 8270E	11/21/25	11/25/25 16:12	BGL
2-Nitroaniline	ND	0.41	0.063	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
3-Nitroaniline	ND	0.41	0.054	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
4-Nitroaniline	ND	0.41	0.058	mg/Kg dry	1	MS-09	SW-846 8270E	11/21/25	11/25/25 16:12	BGL
Nitrobenzene	ND	0.41	0.046	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
2-Nitrophenol	ND	0.41	0.042	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
4-Nitrophenol	ND	0.80	0.16	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.41	0.054	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
N-Nitrosodi-n-propylamine	ND	0.41	0.051	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
Pentachlorophenol	ND	0.41	0.053	mg/Kg dry	1	MS-09, R-06	SW-846 8270E	11/21/25	11/25/25 16:12	BGL
Phenanthrene	0.45	0.040	0.0041	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
Phenol	ND	0.41	0.039	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
Pyrene	0.89	0.040	0.0069	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
Pyridine	ND	0.41	0.052	mg/Kg dry	1	MS-09	SW-846 8270E	11/21/25	11/25/25 16:12	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.41	0.040	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
2,4,5-Trichlorophenol	ND	0.41	0.042	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL
2,4,6-Trichlorophenol	ND	0.41	0.036	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:12	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	34.6	30-130		11/25/25 16:12
Phenol-d6	34.2	30-130		11/25/25 16:12
Nitrobenzene-d5	34.5	30-130		11/25/25 16:12
2-Fluorobiphenyl	40.3	30-130		11/25/25 16:12
2,4,6-Tribromophenol	46.2	30-130		11/25/25 16:12
p-Terphenyl-d14	43.4	30-130		11/25/25 16:12

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1216

Date Received: 11/20/2025

Field Sample #: D-3 (0-2in) Sampled: 11/17/2025 15:20

Sample ID: 25K1216-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.0		% Wt	1		SM 2540G	11/20/25	11/20/25 15:41	DMB

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1216

Date Received: 11/20/2025

Field Sample #: D-3 (0-2in) Sampled: 11/17/2025 15:20

Sample ID: 25K1216-01

Sample Matrix: Soil

Total Metals - Mansfield Lab

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum, Total	6420	9.62	3.12	mg/kg	2		6010D	11/25/25	11/28/25 7:24	LRS
Mercury, Total	ND	0.082	0.053	mg/kg	1	U	7471B	11/25/25	11/26/25 12:17	CME
Antimony, Total	ND	4.81	3.70	mg/kg	2	U	6010D	11/25/25	11/28/25 7:24	LRS
Arsenic, Total	6.03	0.962	0.415	mg/kg	2		6010D	11/25/25	11/28/25 7:24	LRS
Barium, Total	79.1	0.962	0.102	mg/kg	2		6010D	11/25/25	11/28/25 7:24	LRS
Beryllium, Total	0.351	0.481	0.053	mg/kg	2	J	6010D	11/25/25	11/28/25 7:24	LRS
Boron, Total	3.04	2.88	0.555	mg/kg	2		6010D	11/25/25	11/28/25 7:24	LRS
Cadmium, Total	0.345	0.962	0.053	mg/kg	2	J	6010D	11/25/25	11/28/25 7:24	LRS
Calcium, Total	3600	9.62	5.45	mg/kg	2		6010D	11/25/25	11/28/25 7:24	LRS
Chromium, Total	12.9	0.962	0.816	mg/kg	2		6010D	11/25/25	11/28/25 7:24	LRS
Cobalt, Total	6.58	1.92	0.238	mg/kg	2		6010D	11/25/25	11/28/25 7:24	LRS
Copper, Total	18.3	0.962	0.218	mg/kg	2		6010D	11/25/25	11/28/25 7:24	LRS
Iron, Total	15100	4.81	1.01	mg/kg	2		6010D	11/25/25	11/28/25 7:24	LRS
Lead, Total	28.3	4.81	0.229	mg/kg	2		6010D	11/25/25	11/28/25 7:24	LRS
Magnesium, Total	2660	9.62	1.57	mg/kg	2		6010D	11/25/25	11/28/25 7:24	LRS
Manganese, Total	459	0.962	0.516	mg/kg	2		6010D	11/25/25	11/28/25 7:24	LRS
Nickel, Total	14.5	2.40	0.777	mg/kg	2		6010D	11/25/25	11/28/25 7:24	LRS
Potassium, Total	471	240	48.8	mg/kg	2		6010D	11/25/25	11/28/25 7:24	LRS
Selenium, Total	0.499	1.92	0.316	mg/kg	2	J	6010D	11/25/25	11/28/25 7:24	LRS
Silver, Total	ND	0.481	0.287	mg/kg	2	U	6010D	11/25/25	11/28/25 7:24	LRS
Sodium, Total	143	192	102	mg/kg	2	J	6010D	11/25/25	11/28/25 7:24	LRS
Thallium, Total	ND	1.92	0.868	mg/kg	2	U	6010D	11/25/25	11/28/25 7:24	LRS
Vanadium, Total	10.1	0.962	0.145	mg/kg	2		6010D	11/25/25	11/28/25 7:24	LRS
Zinc, Total	67.0	4.81	0.583	mg/kg	2		6010D	11/25/25	11/28/25 7:24	LRS

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1216

Date Received: 11/20/2025

Field Sample #: D-3 (2-12in) Sampled: 11/17/2025 15:25

Sample ID: 25K1216-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,3,4,6-Tetrachlorophenol	ND	0.77	0.055	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
Atrazine	ND	0.77	0.053	mg/Kg dry	1	V-06	SW-846 8270E	11/21/25	11/25/25 16:36	BGL
Benzaldehyde	ND	0.39	0.054	mg/Kg dry	1	V-34	SW-846 8270E	11/21/25	11/25/25 16:36	BGL
Biphenyl	ND	0.077	0.044	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
Caprolactam	ND	0.39	0.067	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
Acenaphthene	0.026	0.038	0.0042	mg/Kg dry	1	J	SW-846 8270E	11/21/25	11/25/25 16:36	BGL
Acenaphthylene	0.019	0.038	0.0048	mg/Kg dry	1	J	SW-846 8270E	11/21/25	11/25/25 16:36	BGL
Acetophenone	ND	0.39	0.041	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
Aniline	ND	0.39	0.073	mg/Kg dry	1	V-34	SW-846 8270E	11/21/25	11/25/25 16:36	BGL
Anthracene	0.13	0.038	0.0044	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
Benzo(a)anthracene	0.75	0.038	0.0060	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
Benzo(a)pyrene	0.92	0.038	0.013	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
Benzo(b)fluoranthene	1.3	0.038	0.0094	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
Benzo(g,h,i)perylene	0.66	0.038	0.015	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
Benzo(k)fluoranthene	0.46	0.038	0.0078	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
Bis(2-chloroethoxy)methane	ND	0.39	0.039	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
Bis(2-chloroethyl)ether	ND	0.39	0.052	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
2,2'-oxybis(1-Chloropropane)	ND	0.39	0.16	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
Bis(2-Ethylhexyl)phthalate	0.15	0.39	0.053	mg/Kg dry	1	V-06, J	SW-846 8270E	11/21/25	11/25/25 16:36	BGL
4-Bromophenylphenylether	ND	0.39	0.034	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
Butylbenzylphthalate	0.057	0.39	0.044	mg/Kg dry	1	J	SW-846 8270E	11/21/25	11/25/25 16:36	BGL
Carbazole	0.11	0.19	0.040	mg/Kg dry	1	J	SW-846 8270E	11/21/25	11/25/25 16:36	BGL
4-Chloroaniline	ND	0.76	0.063	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
4-Chloro-3-methylphenol	ND	0.76	0.041	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
2-Chloronaphthalene	ND	0.39	0.034	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
2-Chlorophenol	ND	0.39	0.034	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
4-Chlorophenylphenylether	ND	0.39	0.036	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
Chrysene	0.91	0.038	0.0049	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
Dibenz(a,h)anthracene	0.12	0.038	0.017	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
Dibenzofuran	ND	0.39	0.038	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
Di-n-butylphthalate	ND	0.39	0.15	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
3,3-Dichlorobenzidine	ND	0.19	0.069	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
2,4-Dichlorophenol	ND	0.39	0.036	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
Diethylphthalate	ND	0.39	0.038	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
2,4-Dimethylphenol	ND	0.39	0.080	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
Dimethylphthalate	ND	0.39	0.035	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
4,6-Dinitro-2-methylphenol	ND	0.39	0.32	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
2,4-Dinitrophenol	ND	0.76	0.36	mg/Kg dry	1	V-04, V-06	SW-846 8270E	11/21/25	11/25/25 16:36	BGL
2,4-Dinitrotoluene	ND	0.39	0.092	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
2,6-Dinitrotoluene	ND	0.39	0.049	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
Di-n-octylphthalate	ND	0.39	0.057	mg/Kg dry	1	V-06	SW-846 8270E	11/21/25	11/25/25 16:36	BGL
Fluoranthene	2.2	0.038	0.0054	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
Fluorene	0.033	0.038	0.0046	mg/Kg dry	1	J	SW-846 8270E	11/21/25	11/25/25 16:36	BGL
Hexachlorobenzene	ND	0.39	0.039	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1216

Date Received: 11/20/2025

Field Sample #: D-3 (2-12in) Sampled: 11/17/2025 15:25

Sample ID: 25K1216-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.39	0.040	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
Hexachlorocyclopentadiene	ND	0.39	0.19	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
Hexachloroethane	ND	0.39	0.035	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
Indeno(1,2,3-cd)pyrene	0.71	0.038	0.016	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
Isophorone	ND	0.39	0.042	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
1-Methylnaphthalene	ND	0.038	0.0048	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
2-Methylnaphthalene	0.0057	0.038	0.0044	mg/Kg dry	1	J	SW-846 8270E	11/21/25	11/25/25 16:36	BGL
2-Methylphenol	ND	0.39	0.049	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
3/4-Methylphenol	ND	0.39	0.064	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
Naphthalene	0.012	0.038	0.0055	mg/Kg dry	1	J	SW-846 8270E	11/21/25	11/25/25 16:36	BGL
2-Nitroaniline	ND	0.39	0.060	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
3-Nitroaniline	ND	0.39	0.051	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
4-Nitroaniline	ND	0.39	0.055	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
Nitrobenzene	ND	0.39	0.044	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
2-Nitrophenol	ND	0.39	0.040	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
4-Nitrophenol	ND	0.76	0.15	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.39	0.050	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
N-Nitrosodi-n-propylamine	ND	0.39	0.048	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
Pentachlorophenol	ND	0.39	0.050	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
Phenanthrene	0.79	0.038	0.0039	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
Phenol	ND	0.39	0.037	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
Pyrene	1.4	0.038	0.0065	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
Pyridine	ND	0.39	0.049	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.39	0.037	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
2,4,5-Trichlorophenol	ND	0.39	0.039	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL
2,4,6-Trichlorophenol	ND	0.39	0.034	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 16:36	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	45.4	30-130		11/25/25 16:36
Phenol-d6	43.1	30-130		11/25/25 16:36
Nitrobenzene-d5	48.7	30-130		11/25/25 16:36
2-Fluorobiphenyl	50.9	30-130		11/25/25 16:36
2,4,6-Tribromophenol	54.4	30-130		11/25/25 16:36
p-Terphenyl-d14	49.2	30-130		11/25/25 16:36

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1216

Date Received: 11/20/2025

Field Sample #: D-3 (2-12in) Sampled: 11/17/2025 15:25

Sample ID: 25K1216-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.0		% Wt	1		SM 2540G	11/20/25	11/20/25 15:41	DMB

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1216

Date Received: 11/20/2025

Field Sample #: D-3 (2-12in) Sampled: 11/17/2025 15:25

Sample ID: 25K1216-02

Sample Matrix: Soil

Total Metals - Mansfield Lab

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum, Total	6760	9.11	2.96	mg/kg	2		6010D	11/25/25	11/28/25 7:26	LRS
Mercury, Total	ND	0.074	0.048	mg/kg	1	U	7471B	11/25/25	11/26/25 12:21	CME
Antimony, Total	ND	4.55	3.51	mg/kg	2	U	6010D	11/25/25	11/28/25 7:26	LRS
Arsenic, Total	5.68	0.911	0.393	mg/kg	2		6010D	11/25/25	11/28/25 7:26	LRS
Barium, Total	80.0	0.911	0.097	mg/kg	2		6010D	11/25/25	11/28/25 7:26	LRS
Beryllium, Total	0.372	0.455	0.050	mg/kg	2	J	6010D	11/25/25	11/28/25 7:26	LRS
Boron, Total	2.78	2.73	0.526	mg/kg	2		6010D	11/25/25	11/28/25 7:26	LRS
Cadmium, Total	0.645	0.911	0.050	mg/kg	2	J	6010D	11/25/25	11/28/25 7:26	LRS
Calcium, Total	5200	9.11	5.16	mg/kg	2		6010D	11/25/25	11/28/25 7:26	LRS
Chromium, Total	11.5	0.911	0.772	mg/kg	2		6010D	11/25/25	11/28/25 7:26	LRS
Cobalt, Total	7.16	1.82	0.226	mg/kg	2		6010D	11/25/25	11/28/25 7:26	LRS
Copper, Total	22.8	0.911	0.207	mg/kg	2		6010D	11/25/25	11/28/25 7:26	LRS
Iron, Total	15600	4.55	0.956	mg/kg	2		6010D	11/25/25	11/28/25 7:26	LRS
Lead, Total	44.4	4.55	0.217	mg/kg	2		6010D	11/25/25	11/28/25 7:26	LRS
Magnesium, Total	2880	9.11	1.48	mg/kg	2		6010D	11/25/25	11/28/25 7:26	LRS
Manganese, Total	440	0.911	0.488	mg/kg	2		6010D	11/25/25	11/28/25 7:26	LRS
Nickel, Total	16.9	2.28	0.736	mg/kg	2		6010D	11/25/25	11/28/25 7:26	LRS
Potassium, Total	469	228	46.2	mg/kg	2		6010D	11/25/25	11/28/25 7:26	LRS
Selenium, Total	ND	1.82	0.300	mg/kg	2	U	6010D	11/25/25	11/28/25 7:26	LRS
Silver, Total	ND	0.455	0.271	mg/kg	2	U	6010D	11/25/25	11/28/25 7:26	LRS
Sodium, Total	357	182	96.5	mg/kg	2		6010D	11/25/25	11/28/25 7:26	LRS
Thallium, Total	ND	1.82	0.822	mg/kg	2	U	6010D	11/25/25	11/28/25 7:26	LRS
Vanadium, Total	10.2	0.911	0.138	mg/kg	2		6010D	11/25/25	11/28/25 7:26	LRS
Zinc, Total	86.6	4.55	0.552	mg/kg	2		6010D	11/25/25	11/28/25 7:26	LRS

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1216

Date Received: 11/20/2025

Field Sample #: E-2 (0-2in) Sampled: 11/17/2025 15:50

Sample ID: 25K1216-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,3,4,6-Tetrachlorophenol	ND	0.83	0.059	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
Atrazine	ND	0.83	0.057	mg/Kg dry	1	V-06	SW-846 8270E	11/21/25	11/25/25 17:01	BGL
Benzaldehyde	ND	0.42	0.058	mg/Kg dry	1	V-34	SW-846 8270E	11/21/25	11/25/25 17:01	BGL
Biphenyl	ND	0.083	0.047	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
Caprolactam	ND	0.42	0.072	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
Acenaphthene	0.0066	0.041	0.0046	mg/Kg dry	1	J	SW-846 8270E	11/21/25	11/25/25 17:01	BGL
Acenaphthylene	0.012	0.041	0.0052	mg/Kg dry	1	J	SW-846 8270E	11/21/25	11/25/25 17:01	BGL
Acetophenone	ND	0.42	0.044	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
Aniline	ND	0.42	0.079	mg/Kg dry	1	V-34	SW-846 8270E	11/21/25	11/25/25 17:01	BGL
Anthracene	0.031	0.041	0.0047	mg/Kg dry	1	J	SW-846 8270E	11/21/25	11/25/25 17:01	BGL
Benzo(a)anthracene	0.23	0.041	0.0064	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
Benzo(a)pyrene	0.30	0.041	0.014	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
Benzo(b)fluoranthene	0.45	0.041	0.010	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
Benzo(g,h,i)perylene	0.22	0.041	0.016	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
Benzo(k)fluoranthene	0.16	0.041	0.0084	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
Bis(2-chloroethoxy)methane	ND	0.42	0.042	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
Bis(2-chloroethyl)ether	ND	0.42	0.055	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
2,2'-oxybis(1-Chloropropane)	ND	0.42	0.17	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.42	0.057	mg/Kg dry	1	V-06	SW-846 8270E	11/21/25	11/25/25 17:01	BGL
4-Bromophenylphenylether	ND	0.42	0.037	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
Butylbenzylphthalate	ND	0.42	0.047	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
Carbazole	ND	0.21	0.043	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
4-Chloroaniline	ND	0.81	0.067	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
4-Chloro-3-methylphenol	ND	0.81	0.044	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
2-Chloronaphthalene	ND	0.42	0.037	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
2-Chlorophenol	ND	0.42	0.037	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
4-Chlorophenylphenylether	ND	0.42	0.038	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
Chrysene	0.29	0.041	0.0053	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
Dibenz(a,h)anthracene	0.049	0.041	0.018	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
Dibenzofuran	ND	0.42	0.041	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
Di-n-butylphthalate	ND	0.42	0.16	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
3,3-Dichlorobenzidine	ND	0.21	0.075	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
2,4-Dichlorophenol	ND	0.42	0.039	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
Diethylphthalate	ND	0.42	0.041	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
2,4-Dimethylphenol	ND	0.42	0.086	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
Dimethylphthalate	ND	0.42	0.037	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
4,6-Dinitro-2-methylphenol	ND	0.42	0.34	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
2,4-Dinitrophenol	ND	0.81	0.39	mg/Kg dry	1	V-04, V-06	SW-846 8270E	11/21/25	11/25/25 17:01	BGL
2,4-Dinitrotoluene	ND	0.42	0.099	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
2,6-Dinitrotoluene	ND	0.42	0.053	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
Di-n-octylphthalate	ND	0.42	0.062	mg/Kg dry	1	V-06	SW-846 8270E	11/21/25	11/25/25 17:01	BGL
Fluoranthene	0.51	0.041	0.0058	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
Fluorene	0.0090	0.041	0.0049	mg/Kg dry	1	J	SW-846 8270E	11/21/25	11/25/25 17:01	BGL
Hexachlorobenzene	ND	0.42	0.042	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1216

Date Received: 11/20/2025

Field Sample #: E-2 (0-2in) Sampled: 11/17/2025 15:50

Sample ID: 25K1216-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.42	0.043	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
Hexachlorocyclopentadiene	ND	0.42	0.21	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
Hexachloroethane	ND	0.42	0.038	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
Indeno(1,2,3-cd)pyrene	0.24	0.041	0.017	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
Isophorone	ND	0.42	0.045	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
1-Methylnaphthalene	ND	0.041	0.0052	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
2-Methylnaphthalene	ND	0.041	0.0047	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
2-Methylphenol	ND	0.42	0.053	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
3/4-Methylphenol	ND	0.42	0.068	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
Naphthalene	ND	0.041	0.0059	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
2-Nitroaniline	ND	0.42	0.064	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
3-Nitroaniline	ND	0.42	0.055	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
4-Nitroaniline	ND	0.42	0.059	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
Nitrobenzene	ND	0.42	0.047	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
2-Nitrophenol	ND	0.42	0.043	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
4-Nitrophenol	ND	0.81	0.16	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.42	0.054	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
N-Nitrosodi-n-propylamine	ND	0.42	0.052	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
Pentachlorophenol	ND	0.42	0.053	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
Phenanthrene	0.18	0.041	0.0042	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
Phenol	ND	0.42	0.040	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
Pyrene	0.37	0.041	0.0070	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
Pyridine	ND	0.42	0.053	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.42	0.040	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
2,4,5-Trichlorophenol	ND	0.42	0.042	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL
2,4,6-Trichlorophenol	ND	0.42	0.037	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:01	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	50.0	30-130		11/25/25 17:01
Phenol-d6	48.9	30-130		11/25/25 17:01
Nitrobenzene-d5	50.3	30-130		11/25/25 17:01
2-Fluorobiphenyl	55.2	30-130		11/25/25 17:01
2,4,6-Tribromophenol	61.8	30-130		11/25/25 17:01
p-Terphenyl-d14	61.4	30-130		11/25/25 17:01

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1216

Date Received: 11/20/2025

Field Sample #: E-2 (0-2in) Sampled: 11/17/2025 15:50

Sample ID: 25K1216-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.0		% Wt	1		SM 2540G	11/20/25	11/20/25 15:41	DMB

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1216

Date Received: 11/20/2025

Field Sample #: E-2 (0-2in) Sampled: 11/17/2025 15:50

Sample ID: 25K1216-03

Sample Matrix: Soil

Total Metals - Mansfield Lab

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum, Total	5680	9.46	3.07	mg/kg	2		6010D	11/25/25	11/28/25 7:28	LRS
Mercury, Total	ND	0.083	0.054	mg/kg	1	U	7471B	11/25/25	11/26/25 12:31	CME
Antimony, Total	ND	4.73	3.64	mg/kg	2	U	6010D	11/25/25	11/28/25 7:28	LRS
Arsenic, Total	4.26	0.946	0.409	mg/kg	2		6010D	11/25/25	11/28/25 7:28	LRS
Barium, Total	78.4	0.946	0.100	mg/kg	2		6010D	11/25/25	11/28/25 7:28	LRS
Beryllium, Total	0.303	0.473	0.052	mg/kg	2	J	6010D	11/25/25	11/28/25 7:28	LRS
Boron, Total	3.20	2.84	0.546	mg/kg	2		6010D	11/25/25	11/28/25 7:28	LRS
Cadmium, Total	0.230	0.946	0.052	mg/kg	2	J	6010D	11/25/25	11/28/25 7:28	LRS
Calcium, Total	7820	9.46	5.36	mg/kg	2		6010D	11/25/25	11/28/25 7:28	LRS
Chromium, Total	8.38	0.946	0.802	mg/kg	2		6010D	11/25/25	11/28/25 7:28	LRS
Cobalt, Total	6.16	1.89	0.235	mg/kg	2		6010D	11/25/25	11/28/25 7:28	LRS
Copper, Total	14.3	0.946	0.215	mg/kg	2		6010D	11/25/25	11/28/25 7:28	LRS
Iron, Total	13400	4.73	0.993	mg/kg	2		6010D	11/25/25	11/28/25 7:28	LRS
Lead, Total	16.1	4.73	0.225	mg/kg	2		6010D	11/25/25	11/28/25 7:28	LRS
Magnesium, Total	3260	9.46	1.54	mg/kg	2		6010D	11/25/25	11/28/25 7:28	LRS
Manganese, Total	500	0.946	0.507	mg/kg	2		6010D	11/25/25	11/28/25 7:28	LRS
Nickel, Total	13.2	2.36	0.764	mg/kg	2		6010D	11/25/25	11/28/25 7:28	LRS
Potassium, Total	534	236	48.0	mg/kg	2		6010D	11/25/25	11/28/25 7:28	LRS
Selenium, Total	ND	1.89	0.311	mg/kg	2	U	6010D	11/25/25	11/28/25 7:28	LRS
Silver, Total	ND	0.473	0.282	mg/kg	2	U	6010D	11/25/25	11/28/25 7:28	LRS
Sodium, Total	ND	189	100	mg/kg	2	U	6010D	11/25/25	11/28/25 7:28	LRS
Thallium, Total	ND	1.89	0.853	mg/kg	2	U	6010D	11/25/25	11/28/25 7:28	LRS
Vanadium, Total	8.43	0.946	0.143	mg/kg	2		6010D	11/25/25	11/28/25 7:28	LRS
Zinc, Total	58.4	4.73	0.573	mg/kg	2		6010D	11/25/25	11/28/25 7:28	LRS

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1216

Date Received: 11/20/2025

Field Sample #: E-2 (2-12in) Sampled: 11/17/2025 15:55

Sample ID: 25K1216-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,3,4,6-Tetrachlorophenol	ND	0.73	0.052	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
Atrazine	ND	0.73	0.051	mg/Kg dry	1	V-06	SW-846 8270E	11/21/25	11/25/25 17:26	BGL
Benzaldehyde	ND	0.37	0.051	mg/Kg dry	1	V-34	SW-846 8270E	11/21/25	11/25/25 17:26	BGL
Biphenyl	ND	0.073	0.042	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
Caprolactam	ND	0.37	0.064	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
Acenaphthene	ND	0.036	0.0041	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
Acenaphthylene	ND	0.036	0.0046	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
Acetophenone	ND	0.37	0.039	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
Aniline	ND	0.37	0.070	mg/Kg dry	1	V-34	SW-846 8270E	11/21/25	11/25/25 17:26	BGL
Anthracene	0.0069	0.036	0.0042	mg/Kg dry	1	J	SW-846 8270E	11/21/25	11/25/25 17:26	BGL
Benzo(a)anthracene	0.050	0.036	0.0057	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
Benzo(a)pyrene	0.057	0.036	0.012	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
Benzo(b)fluoranthene	0.082	0.036	0.0090	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
Benzo(g,h,i)perylene	0.042	0.036	0.014	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
Benzo(k)fluoranthene	0.030	0.036	0.0074	mg/Kg dry	1	J	SW-846 8270E	11/21/25	11/25/25 17:26	BGL
Bis(2-chloroethoxy)methane	ND	0.37	0.038	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
Bis(2-chloroethyl)ether	ND	0.37	0.049	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
2,2'-oxybis(1-Chloropropane)	ND	0.37	0.15	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.37	0.050	mg/Kg dry	1	V-06	SW-846 8270E	11/21/25	11/25/25 17:26	BGL
4-Bromophenylphenylether	ND	0.37	0.033	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
Butylbenzylphthalate	ND	0.37	0.042	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
Carbazole	ND	0.19	0.038	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
4-Chloroaniline	ND	0.72	0.060	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
4-Chloro-3-methylphenol	ND	0.72	0.039	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
2-Chloronaphthalene	ND	0.37	0.033	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
2-Chlorophenol	ND	0.37	0.033	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
4-Chlorophenylphenylether	ND	0.37	0.034	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
Chrysene	0.058	0.036	0.0047	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
Dibenz(a,h)anthracene	ND	0.036	0.016	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
Dibenzofuran	ND	0.37	0.036	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
Di-n-butylphthalate	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
3,3-Dichlorobenzidine	ND	0.19	0.066	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
2,4-Dichlorophenol	ND	0.37	0.035	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
Diethylphthalate	ND	0.37	0.036	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
2,4-Dimethylphenol	ND	0.37	0.077	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
Dimethylphthalate	ND	0.37	0.033	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
4,6-Dinitro-2-methylphenol	ND	0.37	0.31	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
2,4-Dinitrophenol	ND	0.72	0.35	mg/Kg dry	1	V-04, V-06	SW-846 8270E	11/21/25	11/25/25 17:26	BGL
2,4-Dinitrotoluene	ND	0.37	0.088	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
2,6-Dinitrotoluene	ND	0.37	0.047	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
Di-n-octylphthalate	ND	0.37	0.055	mg/Kg dry	1	V-06	SW-846 8270E	11/21/25	11/25/25 17:26	BGL
Fluoranthene	0.11	0.036	0.0051	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
Fluorene	ND	0.036	0.0044	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
Hexachlorobenzene	ND	0.37	0.037	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1216

Date Received: 11/20/2025

Field Sample #: E-2 (2-12in) Sampled: 11/17/2025 15:55

Sample ID: 25K1216-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.37	0.038	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
Hexachlorocyclopentadiene	ND	0.37	0.18	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
Hexachloroethane	ND	0.37	0.034	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
Indeno(1,2,3-cd)pyrene	0.045	0.036	0.015	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
Isophorone	ND	0.37	0.040	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
1-Methylnaphthalene	ND	0.036	0.0046	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
2-Methylnaphthalene	ND	0.036	0.0042	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
2-Methylphenol	ND	0.37	0.047	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
3/4-Methylphenol	ND	0.37	0.061	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
Naphthalene	ND	0.036	0.0053	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
2-Nitroaniline	ND	0.37	0.057	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
3-Nitroaniline	ND	0.37	0.048	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
4-Nitroaniline	ND	0.37	0.053	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
Nitrobenzene	ND	0.37	0.042	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
2-Nitrophenol	ND	0.37	0.038	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
4-Nitrophenol	ND	0.72	0.15	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.37	0.048	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
N-Nitrosodi-n-propylamine	ND	0.37	0.046	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
Pentachlorophenol	ND	0.37	0.047	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
Phenanthrene	0.038	0.036	0.0037	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
Phenol	ND	0.37	0.035	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
Pyrene	0.083	0.036	0.0062	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
Pyridine	ND	0.37	0.047	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.37	0.036	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
2,4,5-Trichlorophenol	ND	0.37	0.038	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL
2,4,6-Trichlorophenol	ND	0.37	0.033	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:26	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	33.2	30-130		11/25/25 17:26
Phenol-d6	32.1	30-130		11/25/25 17:26
Nitrobenzene-d5	32.7	30-130		11/25/25 17:26
2-Fluorobiphenyl	35.5	30-130		11/25/25 17:26
2,4,6-Tribromophenol	32.0	30-130		11/25/25 17:26
p-Terphenyl-d14	34.3	30-130		11/25/25 17:26

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1216

Date Received: 11/20/2025

Field Sample #: E-2 (2-12in) Sampled: 11/17/2025 15:55

Sample ID: 25K1216-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.2		% Wt	1		SM 2540G	11/20/25	11/20/25 15:41	DMB

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1216

Date Received: 11/20/2025

Field Sample #: E-2 (2-12in) Sampled: 11/17/2025 15:55

Sample ID: 25K1216-04

Sample Matrix: Soil

Total Metals - Mansfield Lab

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum, Total	5060	8.35	2.71	mg/kg	2		6010D	11/25/25	11/28/25 7:46	LRS
Mercury, Total	ND	0.075	0.049	mg/kg	1	U	7471B	11/25/25	11/26/25 12:34	CME
Antimony, Total	ND	4.18	3.22	mg/kg	2	U	6010D	11/25/25	11/28/25 7:46	LRS
Arsenic, Total	4.30	0.835	0.361	mg/kg	2		6010D	11/25/25	11/28/25 7:46	LRS
Barium, Total	73.4	0.835	0.089	mg/kg	2		6010D	11/25/25	11/28/25 7:46	LRS
Beryllium, Total	0.281	0.418	0.046	mg/kg	2	J	6010D	11/25/25	11/28/25 7:46	LRS
Boron, Total	2.26	2.50	0.482	mg/kg	2	J	6010D	11/25/25	11/28/25 7:46	LRS
Cadmium, Total	0.202	0.835	0.046	mg/kg	2	J	6010D	11/25/25	11/28/25 7:46	LRS
Calcium, Total	18500	8.35	4.74	mg/kg	2		6010D	11/25/25	11/28/25 7:46	LRS
Chromium, Total	8.25	0.835	0.708	mg/kg	2		6010D	11/25/25	11/28/25 7:46	LRS
Cobalt, Total	5.46	1.67	0.207	mg/kg	2		6010D	11/25/25	11/28/25 7:46	LRS
Copper, Total	13.9	0.835	0.190	mg/kg	2		6010D	11/25/25	11/28/25 7:46	LRS
Iron, Total	12700	4.18	0.877	mg/kg	2		6010D	11/25/25	11/28/25 7:46	LRS
Lead, Total	18.2	4.18	0.199	mg/kg	2		6010D	11/25/25	11/28/25 7:46	LRS
Magnesium, Total	3250	8.35	1.36	mg/kg	2		6010D	11/25/25	11/28/25 7:46	LRS
Manganese, Total	502	0.835	0.448	mg/kg	2		6010D	11/25/25	11/28/25 7:46	LRS
Nickel, Total	11.8	2.09	0.675	mg/kg	2		6010D	11/25/25	11/28/25 7:46	LRS
Potassium, Total	424	209	42.3	mg/kg	2		6010D	11/25/25	11/28/25 7:46	LRS
Selenium, Total	ND	1.67	0.275	mg/kg	2	U	6010D	11/25/25	11/28/25 7:46	LRS
Silver, Total	ND	0.418	0.249	mg/kg	2	U	6010D	11/25/25	11/28/25 7:46	LRS
Sodium, Total	ND	167	88.5	mg/kg	2	U	6010D	11/25/25	11/28/25 7:46	LRS
Thallium, Total	ND	1.67	0.753	mg/kg	2	U	6010D	11/25/25	11/28/25 7:46	LRS
Vanadium, Total	7.69	0.835	0.126	mg/kg	2		6010D	11/25/25	11/28/25 7:46	LRS
Zinc, Total	49.2	4.18	0.506	mg/kg	2		6010D	11/25/25	11/28/25 7:46	LRS

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1216

Date Received: 11/20/2025

Field Sample #: E-3 (0-2in) Sampled: 11/17/2025 16:15

Sample ID: 25K1216-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,3,4,6-Tetrachlorophenol	ND	0.81	0.058	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
Atrazine	ND	0.81	0.056	mg/Kg dry	1	V-06	SW-846 8270E	11/21/25	11/25/25 17:51	BGL
Benzaldehyde	ND	0.41	0.057	mg/Kg dry	1	V-34	SW-846 8270E	11/21/25	11/25/25 17:51	BGL
Biphenyl	ND	0.081	0.046	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
Caprolactam	ND	0.41	0.071	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
Acenaphthene	ND	0.040	0.0045	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
Acenaphthylene	0.0057	0.040	0.0051	mg/Kg dry	1	J	SW-846 8270E	11/21/25	11/25/25 17:51	BGL
Acetophenone	ND	0.41	0.043	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
Aniline	ND	0.41	0.078	mg/Kg dry	1	V-34	SW-846 8270E	11/21/25	11/25/25 17:51	BGL
Anthracene	0.0097	0.040	0.0046	mg/Kg dry	1	J	SW-846 8270E	11/21/25	11/25/25 17:51	BGL
Benzo(a)anthracene	0.061	0.040	0.0063	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
Benzo(a)pyrene	0.086	0.040	0.013	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
Benzo(b)fluoranthene	0.13	0.040	0.0099	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
Benzo(g,h,i)perylene	0.083	0.040	0.016	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
Benzo(k)fluoranthene	0.049	0.040	0.0082	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
Bis(2-chloroethoxy)methane	ND	0.41	0.042	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
Bis(2-chloroethyl)ether	ND	0.41	0.055	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
2,2'-oxybis(1-Chloropropane)	ND	0.41	0.17	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.41	0.056	mg/Kg dry	1	V-06	SW-846 8270E	11/21/25	11/25/25 17:51	BGL
4-Bromophenylphenylether	ND	0.41	0.036	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
Butylbenzylphthalate	ND	0.41	0.047	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
Carbazole	ND	0.21	0.042	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
4-Chloroaniline	ND	0.80	0.066	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
4-Chloro-3-methylphenol	ND	0.80	0.043	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
2-Chloronaphthalene	ND	0.41	0.036	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
2-Chlorophenol	ND	0.41	0.036	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
4-Chlorophenylphenylether	ND	0.41	0.038	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
Chrysene	0.085	0.040	0.0052	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
Dibenz(a,h)anthracene	0.021	0.040	0.018	mg/Kg dry	1	J	SW-846 8270E	11/21/25	11/25/25 17:51	BGL
Dibenzofuran	ND	0.41	0.040	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
Di-n-butylphthalate	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
3,3-Dichlorobenzidine	ND	0.21	0.073	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
2,4-Dichlorophenol	ND	0.41	0.039	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
Diethylphthalate	ND	0.41	0.040	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
2,4-Dimethylphenol	ND	0.41	0.085	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
Dimethylphthalate	ND	0.41	0.037	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
4,6-Dinitro-2-methylphenol	ND	0.41	0.34	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
2,4-Dinitrophenol	ND	0.80	0.39	mg/Kg dry	1	V-04, V-06	SW-846 8270E	11/21/25	11/25/25 17:51	BGL
2,4-Dinitrotoluene	ND	0.41	0.097	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
2,6-Dinitrotoluene	ND	0.41	0.052	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
Di-n-octylphthalate	ND	0.41	0.060	mg/Kg dry	1	V-06	SW-846 8270E	11/21/25	11/25/25 17:51	BGL
Fluoranthene	0.15	0.040	0.0057	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
Fluorene	ND	0.040	0.0048	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
Hexachlorobenzene	ND	0.41	0.041	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1216

Date Received: 11/20/2025

Field Sample #: E-3 (0-2in) Sampled: 11/17/2025 16:15

Sample ID: 25K1216-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.41	0.042	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
Hexachlorocyclopentadiene	ND	0.41	0.20	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
Hexachloroethane	ND	0.41	0.037	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
Indeno(1,2,3-cd)pyrene	0.089	0.040	0.016	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
Isophorone	ND	0.41	0.044	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
1-Methylnaphthalene	ND	0.040	0.0051	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
2-Methylnaphthalene	ND	0.040	0.0046	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
2-Methylphenol	ND	0.41	0.052	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
3/4-Methylphenol	ND	0.41	0.067	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
Naphthalene	ND	0.040	0.0058	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
2-Nitroaniline	ND	0.41	0.063	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
3-Nitroaniline	ND	0.41	0.054	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
4-Nitroaniline	ND	0.41	0.058	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
Nitrobenzene	ND	0.41	0.046	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
2-Nitrophenol	ND	0.41	0.042	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
4-Nitrophenol	ND	0.80	0.16	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.41	0.053	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
N-Nitrosodi-n-propylamine	ND	0.41	0.051	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
Pentachlorophenol	ND	0.41	0.052	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
Phenanthrene	0.066	0.040	0.0041	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
Phenol	ND	0.41	0.039	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
Pyrene	0.10	0.040	0.0069	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
Pyridine	ND	0.41	0.052	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.41	0.039	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
2,4,5-Trichlorophenol	ND	0.41	0.042	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL
2,4,6-Trichlorophenol	ND	0.41	0.036	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 17:51	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	40.8	30-130		11/25/25 17:51
Phenol-d6	41.6	30-130		11/25/25 17:51
Nitrobenzene-d5	39.5	30-130		11/25/25 17:51
2-Fluorobiphenyl	46.8	30-130		11/25/25 17:51
2,4,6-Tribromophenol	53.0	30-130		11/25/25 17:51
p-Terphenyl-d14	52.9	30-130		11/25/25 17:51

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1216

Date Received: 11/20/2025

Field Sample #: E-3 (0-2in) Sampled: 11/17/2025 16:15

Sample ID: 25K1216-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.3		% Wt	1		SM 2540G	11/20/25	11/20/25 15:41	DMB

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1216

Date Received: 11/20/2025

Field Sample #: E-3 (0-2in) Sampled: 11/17/2025 16:15

Sample ID: 25K1216-05

Sample Matrix: Soil

Total Metals - Mansfield Lab

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum, Total	5420	9.48	3.08	mg/kg	2		6010D	11/25/25	11/28/25 7:48	LRS
Mercury, Total	ND	0.083	0.054	mg/kg	1	U	7471B	11/25/25	11/26/25 12:37	CME
Antimony, Total	ND	4.74	3.65	mg/kg	2	U	6010D	11/25/25	11/28/25 7:48	LRS
Arsenic, Total	5.34	0.948	0.409	mg/kg	2		6010D	11/25/25	11/28/25 7:48	LRS
Barium, Total	76.9	0.948	0.100	mg/kg	2		6010D	11/25/25	11/28/25 7:48	LRS
Beryllium, Total	0.272	0.474	0.052	mg/kg	2	J	6010D	11/25/25	11/28/25 7:48	LRS
Boron, Total	3.01	2.84	0.547	mg/kg	2		6010D	11/25/25	11/28/25 7:48	LRS
Cadmium, Total	0.154	0.948	0.052	mg/kg	2	J	6010D	11/25/25	11/28/25 7:48	LRS
Calcium, Total	13200	9.48	5.37	mg/kg	2		6010D	11/25/25	11/28/25 7:48	LRS
Chromium, Total	9.36	0.948	0.804	mg/kg	2		6010D	11/25/25	11/28/25 7:48	LRS
Cobalt, Total	5.80	1.90	0.235	mg/kg	2		6010D	11/25/25	11/28/25 7:48	LRS
Copper, Total	14.4	0.948	0.215	mg/kg	2		6010D	11/25/25	11/28/25 7:48	LRS
Iron, Total	13400	4.74	0.995	mg/kg	2		6010D	11/25/25	11/28/25 7:48	LRS
Lead, Total	11.6	4.74	0.226	mg/kg	2		6010D	11/25/25	11/28/25 7:48	LRS
Magnesium, Total	3780	9.48	1.54	mg/kg	2		6010D	11/25/25	11/28/25 7:48	LRS
Manganese, Total	521	0.948	0.508	mg/kg	2		6010D	11/25/25	11/28/25 7:48	LRS
Nickel, Total	13.2	2.37	0.766	mg/kg	2		6010D	11/25/25	11/28/25 7:48	LRS
Potassium, Total	538	237	48.0	mg/kg	2		6010D	11/25/25	11/28/25 7:48	LRS
Selenium, Total	ND	1.90	0.312	mg/kg	2	U	6010D	11/25/25	11/28/25 7:48	LRS
Silver, Total	ND	0.474	0.282	mg/kg	2	U	6010D	11/25/25	11/28/25 7:48	LRS
Sodium, Total	ND	190	100	mg/kg	2	U	6010D	11/25/25	11/28/25 7:48	LRS
Thallium, Total	ND	1.90	0.855	mg/kg	2	U	6010D	11/25/25	11/28/25 7:48	LRS
Vanadium, Total	8.28	0.948	0.143	mg/kg	2		6010D	11/25/25	11/28/25 7:48	LRS
Zinc, Total	58.4	4.74	0.574	mg/kg	2		6010D	11/25/25	11/28/25 7:48	LRS

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1216

Date Received: 11/20/2025

Field Sample #: E-3 (2-12in) Sampled: 11/17/2025 16:20

Sample ID: 25K1216-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,3,4,6-Tetrachlorophenol	ND	0.74	0.053	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
Atrazine	ND	0.74	0.051	mg/Kg dry	1	V-06	SW-846 8270E	11/21/25	11/25/25 18:15	BGL
Benzaldehyde	ND	0.38	0.052	mg/Kg dry	1	V-34	SW-846 8270E	11/21/25	11/25/25 18:15	BGL
Biphenyl	ND	0.074	0.042	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
Caprolactam	ND	0.38	0.065	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
Acenaphthene	ND	0.036	0.0041	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
Acenaphthylene	ND	0.036	0.0046	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
Acetophenone	ND	0.38	0.039	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
Aniline	ND	0.38	0.071	mg/Kg dry	1	V-34	SW-846 8270E	11/21/25	11/25/25 18:15	BGL
Anthracene	0.0081	0.036	0.0042	mg/Kg dry	1	J	SW-846 8270E	11/21/25	11/25/25 18:15	BGL
Benzo(a)anthracene	0.065	0.036	0.0057	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
Benzo(a)pyrene	0.091	0.036	0.012	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
Benzo(b)fluoranthene	0.13	0.036	0.0091	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
Benzo(g,h,i)perylene	0.073	0.036	0.014	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
Benzo(k)fluoranthene	0.046	0.036	0.0075	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
Bis(2-chloroethoxy)methane	ND	0.38	0.038	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
Bis(2-chloroethyl)ether	ND	0.38	0.050	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
2,2'-oxybis(1-Chloropropane)	ND	0.38	0.15	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.38	0.051	mg/Kg dry	1	V-06	SW-846 8270E	11/21/25	11/25/25 18:15	BGL
4-Bromophenylphenylether	ND	0.38	0.033	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
Butylbenzylphthalate	ND	0.38	0.043	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
Carbazole	ND	0.19	0.039	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
4-Chloroaniline	ND	0.73	0.060	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
4-Chloro-3-methylphenol	ND	0.73	0.039	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
2-Chloronaphthalene	ND	0.38	0.033	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
2-Chlorophenol	ND	0.38	0.033	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
4-Chlorophenylphenylether	ND	0.38	0.034	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
Chrysene	0.085	0.036	0.0048	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
Dibenz(a,h)anthracene	0.017	0.036	0.016	mg/Kg dry	1	J	SW-846 8270E	11/21/25	11/25/25 18:15	BGL
Dibenzofuran	ND	0.38	0.037	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
Di-n-butylphthalate	ND	0.38	0.14	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
3,3-Dichlorobenzidine	ND	0.19	0.067	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
2,4-Dichlorophenol	ND	0.38	0.035	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
Diethylphthalate	ND	0.38	0.036	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
2,4-Dimethylphenol	ND	0.38	0.077	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
Dimethylphthalate	ND	0.38	0.033	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
4,6-Dinitro-2-methylphenol	ND	0.38	0.31	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
2,4-Dinitrophenol	ND	0.73	0.35	mg/Kg dry	1	V-04, V-06	SW-846 8270E	11/21/25	11/25/25 18:15	BGL
2,4-Dinitrotoluene	ND	0.38	0.089	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
2,6-Dinitrotoluene	ND	0.38	0.047	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
Di-n-octylphthalate	ND	0.38	0.055	mg/Kg dry	1	V-06	SW-846 8270E	11/21/25	11/25/25 18:15	BGL
Fluoranthene	0.18	0.036	0.0052	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
Fluorene	ND	0.036	0.0044	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
Hexachlorobenzene	ND	0.38	0.038	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1216

Date Received: 11/20/2025

Field Sample #: E-3 (2-12in) Sampled: 11/17/2025 16:20

Sample ID: 25K1216-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.38	0.039	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
Hexachlorocyclopentadiene	ND	0.38	0.19	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
Hexachloroethane	ND	0.38	0.034	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
Indeno(1,2,3-cd)pyrene	0.072	0.036	0.015	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
Isophorone	ND	0.38	0.040	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
1-Methylnaphthalene	ND	0.036	0.0046	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
2-Methylnaphthalene	ND	0.036	0.0042	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
2-Methylphenol	ND	0.38	0.047	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
3/4-Methylphenol	ND	0.38	0.061	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
Naphthalene	ND	0.036	0.0053	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
2-Nitroaniline	ND	0.38	0.058	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
3-Nitroaniline	ND	0.38	0.049	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
4-Nitroaniline	ND	0.38	0.053	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
Nitrobenzene	ND	0.38	0.042	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
2-Nitrophenol	ND	0.38	0.039	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
4-Nitrophenol	ND	0.73	0.15	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.38	0.049	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
N-Nitrosodi-n-propylamine	ND	0.38	0.046	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
Pentachlorophenol	ND	0.38	0.048	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
Phenanthrene	0.047	0.036	0.0038	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
Phenol	ND	0.38	0.036	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
Pyrene	0.11	0.036	0.0063	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
Pyridine	ND	0.38	0.048	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.38	0.036	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
2,4,5-Trichlorophenol	ND	0.38	0.038	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL
2,4,6-Trichlorophenol	ND	0.38	0.033	mg/Kg dry	1		SW-846 8270E	11/21/25	11/25/25 18:15	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	34.5	30-130		11/25/25 18:15
Phenol-d6	34.2	30-130		11/25/25 18:15
Nitrobenzene-d5	36.6	30-130		11/25/25 18:15
2-Fluorobiphenyl	39.9	30-130		11/25/25 18:15
2,4,6-Tribromophenol	34.7	30-130		11/25/25 18:15
p-Terphenyl-d14	38.4	30-130		11/25/25 18:15

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1216

Date Received: 11/20/2025

Field Sample #: E-3 (2-12in) Sampled: 11/17/2025 16:20

Sample ID: 25K1216-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.3		% Wt	1		SM 2540G	11/20/25	11/20/25 15:41	DMB

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2 Corning Boulevard, Corning, N Sample Description: Work Order: 25K1216

Date Received: 11/20/2025

Field Sample #: E-3 (2-12in) Sampled: 11/17/2025 16:20

Sample ID: 25K1216-06

Sample Matrix: Soil

Total Metals - Mansfield Lab

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum, Total	4950	8.69	2.82	mg/kg	2		6010D	11/25/25	11/28/25 7:50	LRS
Mercury, Total	ND	0.078	0.051	mg/kg	1	U	7471B	11/25/25	11/26/25 12:41	CME
Antimony, Total	ND	4.35	3.35	mg/kg	2	U	6010D	11/25/25	11/28/25 7:50	LRS
Arsenic, Total	3.81	0.869	0.376	mg/kg	2		6010D	11/25/25	11/28/25 7:50	LRS
Barium, Total	57.2	0.869	0.092	mg/kg	2		6010D	11/25/25	11/28/25 7:50	LRS
Beryllium, Total	0.242	0.435	0.048	mg/kg	2	J	6010D	11/25/25	11/28/25 7:50	LRS
Boron, Total	1.97	2.61	0.502	mg/kg	2	J	6010D	11/25/25	11/28/25 7:50	LRS
Cadmium, Total	0.141	0.869	0.048	mg/kg	2	J	6010D	11/25/25	11/28/25 7:50	LRS
Calcium, Total	17600	8.69	4.93	mg/kg	2		6010D	11/25/25	11/28/25 7:50	LRS
Chromium, Total	8.91	0.869	0.737	mg/kg	2		6010D	11/25/25	11/28/25 7:50	LRS
Cobalt, Total	5.02	1.74	0.216	mg/kg	2		6010D	11/25/25	11/28/25 7:50	LRS
Copper, Total	14.7	0.869	0.197	mg/kg	2		6010D	11/25/25	11/28/25 7:50	LRS
Iron, Total	12100	4.35	0.913	mg/kg	2		6010D	11/25/25	11/28/25 7:50	LRS
Lead, Total	11.0	4.35	0.207	mg/kg	2		6010D	11/25/25	11/28/25 7:50	LRS
Magnesium, Total	4980	8.69	1.42	mg/kg	2		6010D	11/25/25	11/28/25 7:50	LRS
Manganese, Total	444	0.869	0.466	mg/kg	2		6010D	11/25/25	11/28/25 7:50	LRS
Nickel, Total	11.7	2.17	0.702	mg/kg	2		6010D	11/25/25	11/28/25 7:50	LRS
Potassium, Total	393	217	44.1	mg/kg	2		6010D	11/25/25	11/28/25 7:50	LRS
Selenium, Total	ND	1.74	0.286	mg/kg	2	U	6010D	11/25/25	11/28/25 7:50	LRS
Silver, Total	ND	0.435	0.259	mg/kg	2	U	6010D	11/25/25	11/28/25 7:50	LRS
Sodium, Total	ND	174	92.1	mg/kg	2	U	6010D	11/25/25	11/28/25 7:50	LRS
Thallium, Total	ND	1.74	0.784	mg/kg	2	U	6010D	11/25/25	11/28/25 7:50	LRS
Vanadium, Total	8.71	0.869	0.131	mg/kg	2		6010D	11/25/25	11/28/25 7:50	LRS
Zinc, Total	51.0	4.35	0.527	mg/kg	2		6010D	11/25/25	11/28/25 7:50	LRS

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method:EPA 3050B **Analytical Method:6010D**
Media :

Lab Number [Field ID]	Batch	Initial [g]	Final [ml]	Date
25K1216-01 [D-3 (0-2in)]	WG2146092	1.268	50	11/25/25
25K1216-02 [D-3 (2-12in)]	WG2146092	1.262	50	11/25/25
25K1216-03 [E-2 (0-2in)]	WG2146092	1.305	50	11/25/25
25K1216-04 [E-2 (2-12in)]	WG2146092	1.313	50	11/25/25
25K1216-05 [E-3 (0-2in)]	WG2146092	1.282	50	11/25/25
25K1216-06 [E-3 (2-12in)]	WG2146092	1.274	50	11/25/25

Prep Method:EPA 7471B **Analytical Method:7471B**
Media :

Lab Number [Field ID]	Batch	Initial [g]	Final [ml]	Date
25K1216-01 [D-3 (0-2in)]	WG2146094	.374	50	11/25/25
25K1216-02 [D-3 (2-12in)]	WG2146094	.388	50	11/25/25
25K1216-03 [E-2 (0-2in)]	WG2146094	.371	50	11/25/25
25K1216-04 [E-2 (2-12in)]	WG2146094	.364	50	11/25/25
25K1216-05 [E-3 (0-2in)]	WG2146094	.367	50	11/25/25
25K1216-06 [E-3 (2-12in)]	WG2146094	.357	50	11/25/25

Sample Extraction Data

Prep Method:% Solids **Analytical Method:SM 2540G**

Lab Number [Field ID]	Batch	Date
25K1216-01 [D-3 (0-2in)]	B417935	11/20/25
25K1216-02 [D-3 (2-12in)]	B417935	11/20/25
25K1216-03 [E-2 (0-2in)]	B417935	11/20/25
25K1216-04 [E-2 (2-12in)]	B417935	11/20/25
25K1216-05 [E-3 (0-2in)]	B417935	11/20/25
25K1216-06 [E-3 (2-12in)]	B417935	11/20/25

Prep Method:SW-846 3546 **Analytical Method:SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
25K1216-01 [D-3 (0-2in)]	B417963	30.1	1.00	11/21/25
25K1216-02 [D-3 (2-12in)]	B417963	30.1	1.00	11/21/25
25K1216-03 [E-2 (0-2in)]	B417963	30.0	1.00	11/21/25
25K1216-04 [E-2 (2-12in)]	B417963	30.1	1.00	11/21/25
25K1216-05 [E-3 (0-2in)]	B417963	30.1	1.00	11/21/25
25K1216-06 [E-3 (2-12in)]	B417963	30.1	1.00	11/21/25

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B417963 - SW-846 3546										
Blank (B417963-BLK1)				Prepared: 11/21/25 Analyzed: 11/25/25						
2,3,4,6-Tetrachlorophenol	ND	0.67	mg/Kg wet							
Atrazine	ND	0.67	mg/Kg wet							V-06
Benzaldehyde	ND	0.34	mg/Kg wet							V-34
Biphenyl	ND	0.067	mg/Kg wet							
Caprolactam	ND	0.34	mg/Kg wet							
Acenaphthene	ND	0.033	mg/Kg wet							
Acenaphthylene	ND	0.033	mg/Kg wet							
Acetophenone	ND	0.34	mg/Kg wet							
Aniline	ND	0.34	mg/Kg wet							V-34
Anthracene	ND	0.033	mg/Kg wet							
Benzo(a)anthracene	ND	0.033	mg/Kg wet							
Benzo(a)pyrene	ND	0.033	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.033	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.033	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.033	mg/Kg wet							
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet							
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet							
2,2'-oxybis(1-Chloropropane)	ND	0.34	mg/Kg wet							
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet							V-06
4-Bromophenylphenylether	ND	0.34	mg/Kg wet							
Butylbenzylphthalate	ND	0.34	mg/Kg wet							
Carbazole	ND	0.17	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							
4-Chloro-3-methylphenol	ND	0.66	mg/Kg wet							
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
4-Chlorophenylphenylether	ND	0.34	mg/Kg wet							
Chrysene	ND	0.033	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.033	mg/Kg wet							
Dibenzofuran	ND	0.34	mg/Kg wet							
Di-n-butylphthalate	ND	0.34	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.34	mg/Kg wet							
Diethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dimethylphenol	ND	0.34	mg/Kg wet							
Dimethylphthalate	ND	0.34	mg/Kg wet							
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							V-04, V-06
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.34	mg/Kg wet							V-06
Fluoranthene	ND	0.033	mg/Kg wet							
Fluorene	ND	0.033	mg/Kg wet							
Hexachlorobenzene	ND	0.34	mg/Kg wet							
Hexachlorobutadiene	ND	0.34	mg/Kg wet							
Hexachlorocyclopentadiene	ND	0.34	mg/Kg wet							
Hexachloroethane	ND	0.34	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.033	mg/Kg wet							
Isophorone	ND	0.34	mg/Kg wet							
1-Methylnaphthalene	ND	0.033	mg/Kg wet							
2-Methylnaphthalene	ND	0.033	mg/Kg wet							
2-Methylphenol	ND	0.34	mg/Kg wet							

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B417963 - SW-846 3546											
Blank (B417963-BLK1)				Prepared: 11/21/25 Analyzed: 11/25/25							
3/4-Methylphenol	ND	0.34	mg/Kg wet								
Naphthalene	ND	0.033	mg/Kg wet								
2-Nitroaniline	ND	0.34	mg/Kg wet								
3-Nitroaniline	ND	0.34	mg/Kg wet								
4-Nitroaniline	ND	0.34	mg/Kg wet								
Nitrobenzene	ND	0.34	mg/Kg wet								
2-Nitrophenol	ND	0.34	mg/Kg wet								
4-Nitrophenol	ND	0.66	mg/Kg wet								
N-Nitrosodiphenylamine/Diphenylamine	ND	0.34	mg/Kg wet								
N-Nitrosodi-n-propylamine	ND	0.34	mg/Kg wet								
Pentachlorophenol	ND	0.34	mg/Kg wet								
Phenanthrene	ND	0.033	mg/Kg wet								
Phenol	ND	0.34	mg/Kg wet								
Pyrene	ND	0.033	mg/Kg wet								
Pyridine	ND	0.34	mg/Kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.34	mg/Kg wet								
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet								
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet								
Surrogate: 2-Fluorophenol	*4.38*		mg/Kg wet	6.653		65.8	30-130				
Surrogate: Phenol-d6	*4.21*		mg/Kg wet	6.653		63.3	30-130				
Surrogate: Nitrobenzene-d5	*2.19*		mg/Kg wet	3.327		65.8	30-130				
Surrogate: 2-Fluorobiphenyl	*2.37*		mg/Kg wet	3.327		71.4	30-130				
Surrogate: 2,4,6-Tribromophenol	*5.22*		mg/Kg wet	6.653		78.5	30-130				
Surrogate: p-Terphenyl-d14	*2.68*		mg/Kg wet	3.327		80.5	30-130				
LCS (B417963-BS1)				Prepared: 11/21/25 Analyzed: 11/25/25							
2,3,4,6-Tetrachlorophenol	1.15	0.67	mg/Kg wet	1.664		68.8	40-140				
Atrazine	1.23	0.67	mg/Kg wet	1.664		74.1	40-140			V-06	
Benzaldehyde	0.696	0.34	mg/Kg wet	1.664		41.8	40-140			V-34	
Biphenyl	1.16	0.067	mg/Kg wet	1.664		69.9	40-140				
Caprolactam	1.06	0.34	mg/Kg wet	1.664		63.6	40-140				
Acenaphthene	1.09	0.033	mg/Kg wet	1.664		65.4	40-140				
Acenaphthylene	1.18	0.033	mg/Kg wet	1.664		70.6	40-140				
Acetophenone	0.959	0.34	mg/Kg wet	1.664		57.6	40-140				
Aniline	0.615	0.34	mg/Kg wet	1.664		37.0	10-140			V-34	†
Anthracene	1.08	0.033	mg/Kg wet	1.664		65.0	40-140				
Benzo(a)anthracene	1.10	0.033	mg/Kg wet	1.664		66.3	40-140				
Benzo(a)pyrene	1.16	0.033	mg/Kg wet	1.664		69.9	40-140				
Benzo(b)fluoranthene	1.16	0.033	mg/Kg wet	1.664		69.6	40-140				
Benzo(g,h,i)perylene	1.35	0.033	mg/Kg wet	1.664		81.4	40-140				
Benzo(k)fluoranthene	1.13	0.033	mg/Kg wet	1.664		67.7	40-140				
Bis(2-chloroethoxy)methane	0.996	0.34	mg/Kg wet	1.664		59.9	40-140				
Bis(2-chloroethyl)ether	0.965	0.34	mg/Kg wet	1.664		58.0	40-140				
2,2'-oxybis(1-Chloropropane)	1.12	0.34	mg/Kg wet	1.664		67.6	40-140				
Bis(2-Ethylhexyl)phthalate	1.47	0.34	mg/Kg wet	1.664		88.5	40-140			V-06	
4-Bromophenylphenylether	1.19	0.34	mg/Kg wet	1.664		71.7	40-140				
Butylbenzylphthalate	1.33	0.34	mg/Kg wet	1.664		79.8	40-140				
Carbazole	1.09	0.17	mg/Kg wet	1.664		65.4	40-140				
4-Chloroaniline	0.675	0.66	mg/Kg wet	1.664		40.5	10-140				†
4-Chloro-3-methylphenol	1.08	0.66	mg/Kg wet	1.664		65.1	30-130				
2-Chloronaphthalene	0.956	0.34	mg/Kg wet	1.664		57.4	40-140				
2-Chlorophenol	0.971	0.34	mg/Kg wet	1.664		58.4	30-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B417963 - SW-846 3546											
LCS (B417963-BS1)				Prepared: 11/21/25 Analyzed: 11/25/25							
4-Chlorophenylphenylether	1.08	0.34	mg/Kg wet	1.664		65.0	40-140				
Chrysene	1.07	0.033	mg/Kg wet	1.664		64.1	40-140				
Dibenz(a,h)anthracene	1.39	0.033	mg/Kg wet	1.664		83.4	40-140				
Dibenzofuran	1.10	0.34	mg/Kg wet	1.664		66.0	40-140				
Di-n-butylphthalate	1.23	0.34	mg/Kg wet	1.664		73.8	40-140				
3,3-Dichlorobenzidine	1.05	0.17	mg/Kg wet	1.664		62.9	20-140				†
2,4-Dichlorophenol	1.10	0.34	mg/Kg wet	1.664		65.8	30-130				
Diethylphthalate	1.14	0.34	mg/Kg wet	1.664		68.8	40-140				
2,4-Dimethylphenol	1.10	0.34	mg/Kg wet	1.664		66.4	30-130				
Dimethylphthalate	1.18	0.34	mg/Kg wet	1.664		71.1	40-140				
4,6-Dinitro-2-methylphenol	1.17	0.34	mg/Kg wet	1.664		70.3	30-130				
2,4-Dinitrophenol	1.28	0.66	mg/Kg wet	1.664		77.1	30-130			V-04, V-06	
2,4-Dinitrotoluene	1.18	0.34	mg/Kg wet	1.664		71.0	40-140				
2,6-Dinitrotoluene	1.23	0.34	mg/Kg wet	1.664		73.9	40-140				
Di-n-octylphthalate	1.43	0.34	mg/Kg wet	1.664		86.0	40-140			V-06	
Fluoranthene	1.09	0.033	mg/Kg wet	1.664		65.5	40-140				
Fluorene	1.08	0.033	mg/Kg wet	1.664		64.7	40-140				
Hexachlorobenzene	1.22	0.34	mg/Kg wet	1.664		73.1	40-140				
Hexachlorobutadiene	1.13	0.34	mg/Kg wet	1.664		67.7	40-140				
Hexachlorocyclopentadiene	1.30	0.34	mg/Kg wet	1.664		77.9	40-140				
Hexachloroethane	0.959	0.34	mg/Kg wet	1.664		57.7	40-140				
Indeno(1,2,3-cd)pyrene	1.46	0.033	mg/Kg wet	1.664		87.8	40-140				
Isophorone	1.11	0.34	mg/Kg wet	1.664		66.6	40-140				
1-Methylnaphthalene	1.04	0.033	mg/Kg wet	1.664		62.2	40-140				
2-Methylnaphthalene	0.950	0.033	mg/Kg wet	1.664		57.1	40-140				
2-Methylphenol	1.00	0.34	mg/Kg wet	1.664		60.3	30-130				
3/4-Methylphenol	1.06	0.34	mg/Kg wet	1.664		63.7	30-130				
Naphthalene	1.02	0.033	mg/Kg wet	1.664		61.1	40-140				
2-Nitroaniline	1.34	0.34	mg/Kg wet	1.664		80.6	40-140				
3-Nitroaniline	1.02	0.34	mg/Kg wet	1.664		61.2	30-140				†
4-Nitroaniline	1.02	0.34	mg/Kg wet	1.664		61.3	40-140				
Nitrobenzene	1.03	0.34	mg/Kg wet	1.664		61.7	40-140				
2-Nitrophenol	1.10	0.34	mg/Kg wet	1.664		66.4	30-130				
4-Nitrophenol	1.19	0.66	mg/Kg wet	1.664		71.7	30-130				
N-Nitrosodiphenylamine/Diphenylamine	1.12	0.34	mg/Kg wet	1.664		67.3	40-140				
N-Nitrosodi-n-propylamine	1.01	0.34	mg/Kg wet	1.664		60.7	40-140				
Pentachlorophenol	1.03	0.34	mg/Kg wet	1.664		62.1	30-130				
Phenanthrene	1.07	0.033	mg/Kg wet	1.664		64.2	40-140				
Phenol	0.993	0.34	mg/Kg wet	1.664		59.7	30-130				
Pyrene	1.12	0.033	mg/Kg wet	1.664		67.3	40-140				
Pyridine	0.640	0.34	mg/Kg wet	1.664		38.5	30-140				†
1,2,4,5-Tetrachlorobenzene	1.13	0.34	mg/Kg wet	1.664		68.0	40-140				
2,4,5-Trichlorophenol	1.19	0.34	mg/Kg wet	1.664		71.5	30-130				
2,4,6-Trichlorophenol	1.17	0.34	mg/Kg wet	1.664		70.1	30-130				
Surrogate: 2-Fluorophenol	*4.11*		mg/Kg wet	6.656		61.8	30-130				
Surrogate: Phenol-d6	*3.97*		mg/Kg wet	6.656		59.7	30-130				
Surrogate: Nitrobenzene-d5	*1.98*		mg/Kg wet	3.328		59.5	30-130				
Surrogate: 2-Fluorobiphenyl	*2.27*		mg/Kg wet	3.328		68.3	30-130				
Surrogate: 2,4,6-Tribromophenol	*5.15*		mg/Kg wet	6.656		77.4	30-130				
Surrogate: p-Terphenyl-d14	*2.60*		mg/Kg wet	3.328		78.1	30-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B417963 - SW-846 3546												
LCS Dup (B417963-BSD1)				Prepared: 11/21/25 Analyzed: 11/25/25								
2,3,4,6-Tetrachlorophenol	1.06	0.67	mg/Kg wet	1.662		63.9		40-140	7.57	20		
Atrazine	1.21	0.67	mg/Kg wet	1.662		72.9		40-140	1.84	30	V-06	
Benzaldehyde	0.651	0.34	mg/Kg wet	1.662		**39.1**	*	40-140	6.67	20	L-07, V-34	
Biphenyl	1.10	0.067	mg/Kg wet	1.662		66.1		40-140	5.69	20		
Caprolactam	0.880	0.34	mg/Kg wet	1.662		52.9		40-140	18.4	20		
Acenaphthene	0.989	0.033	mg/Kg wet	1.662		59.5		40-140	9.57	30		
Acenaphthylene	1.07	0.033	mg/Kg wet	1.662		64.1		40-140	9.72	30		
Acetophenone	0.908	0.34	mg/Kg wet	1.662		54.6		40-140	5.41	30		
Aniline	0.589	0.34	mg/Kg wet	1.662		35.4		10-140	4.41	50	V-34	† ‡
Anthracene	0.989	0.033	mg/Kg wet	1.662		59.5		40-140	8.91	30		
Benzo(a)anthracene	0.994	0.033	mg/Kg wet	1.662		59.8		40-140	10.4	30		
Benzo(a)pyrene	1.05	0.033	mg/Kg wet	1.662		63.2		40-140	10.2	30		
Benzo(b)fluoranthene	1.05	0.033	mg/Kg wet	1.662		63.1		40-140	9.89	30		
Benzo(g,h,i)perylene	1.18	0.033	mg/Kg wet	1.662		71.0		40-140	13.7	30		
Benzo(k)fluoranthene	1.02	0.033	mg/Kg wet	1.662		61.5		40-140	9.79	30		
Bis(2-chloroethoxy)methane	0.954	0.34	mg/Kg wet	1.662		57.4		40-140	4.26	30		
Bis(2-chloroethyl)ether	0.917	0.34	mg/Kg wet	1.662		55.1		40-140	5.19	30		
2,2'-oxybis(1-Chloropropane)	1.08	0.34	mg/Kg wet	1.662		65.0		40-140	4.02	30		
Bis(2-Ethylhexyl)phthalate	1.40	0.34	mg/Kg wet	1.662		84.2		40-140	5.01	30	V-06	
4-Bromophenylphenylether	1.14	0.34	mg/Kg wet	1.662		68.8		40-140	4.31	30		
Butylbenzylphthalate	1.17	0.34	mg/Kg wet	1.662		70.5		40-140	12.5	30		
Carbazole	0.969	0.17	mg/Kg wet	1.662		58.3		40-140	11.5	30		
4-Chloroaniline	0.653	0.66	mg/Kg wet	1.662		39.3		10-140	3.26	30	J	†
4-Chloro-3-methylphenol	0.930	0.66	mg/Kg wet	1.662		55.9		30-130	15.3	30		
2-Chloronaphthalene	0.972	0.34	mg/Kg wet	1.662		58.5		40-140	1.69	30		
2-Chlorophenol	0.903	0.34	mg/Kg wet	1.662		54.3		30-130	7.23	30		
4-Chlorophenylphenylether	1.07	0.34	mg/Kg wet	1.662		64.5		40-140	0.934	30		
Chrysene	0.974	0.033	mg/Kg wet	1.662		58.6		40-140	9.13	30		
Dibenz(a,h)anthracene	1.17	0.033	mg/Kg wet	1.662		70.5		40-140	16.9	30		
Dibenzofuran	1.04	0.34	mg/Kg wet	1.662		62.7		40-140	5.23	30		
Di-n-butylphthalate	1.13	0.34	mg/Kg wet	1.662		68.0		40-140	8.28	30		
3,3-Dichlorobenzidine	1.00	0.17	mg/Kg wet	1.662		60.3		20-140	4.19	50		† ‡
2,4-Dichlorophenol	1.02	0.34	mg/Kg wet	1.662		61.3		30-130	7.31	30		
Diethylphthalate	1.09	0.34	mg/Kg wet	1.662		65.6		40-140	4.89	30		
2,4-Dimethylphenol	1.01	0.34	mg/Kg wet	1.662		60.6		30-130	9.27	30		
Dimethylphthalate	1.06	0.34	mg/Kg wet	1.662		64.0		40-140	10.6	30		
4,6-Dinitro-2-methylphenol	1.06	0.34	mg/Kg wet	1.662		63.8		30-130	9.91	30		
2,4-Dinitrophenol	1.07	0.66	mg/Kg wet	1.662		64.6		30-130	17.8	30	V-04, V-06	
2,4-Dinitrotoluene	1.09	0.34	mg/Kg wet	1.662		65.4		40-140	8.34	30		
2,6-Dinitrotoluene	1.10	0.34	mg/Kg wet	1.662		65.9		40-140	11.5	30		
Di-n-octylphthalate	1.31	0.34	mg/Kg wet	1.662		79.1		40-140	8.48	30	V-06	
Fluoranthene	0.969	0.033	mg/Kg wet	1.662		58.3		40-140	11.7	30		
Fluorene	1.04	0.033	mg/Kg wet	1.662		62.8		40-140	3.05	30		
Hexachlorobenzene	1.13	0.34	mg/Kg wet	1.662		67.8		40-140	7.68	30		
Hexachlorobutadiene	1.05	0.34	mg/Kg wet	1.662		62.9		40-140	7.54	30		
Hexachlorocyclopentadiene	1.27	0.34	mg/Kg wet	1.662		76.6		40-140	1.73	30		
Hexachloroethane	0.877	0.34	mg/Kg wet	1.662		52.8		40-140	8.97	30		
Indeno(1,2,3-cd)pyrene	1.23	0.033	mg/Kg wet	1.662		73.8		40-140	17.4	30		
Isophorone	1.01	0.34	mg/Kg wet	1.662		61.0		40-140	8.88	30		
1-Methylnaphthalene	0.905	0.033	mg/Kg wet	1.662		54.4		40-140	13.5	30		
2-Methylnaphthalene	0.846	0.033	mg/Kg wet	1.662		50.9		40-140	11.5	30		
2-Methylphenol	0.912	0.34	mg/Kg wet	1.662		54.9		30-130	9.51	30		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B417963 - SW-846 3546											
LCS Dup (B417963-BSD1)				Prepared: 11/21/25 Analyzed: 11/25/25							
3/4-Methylphenol	0.972	0.34	mg/Kg wet	1.662		58.5		30-130	8.71	30	
Naphthalene	0.932	0.033	mg/Kg wet	1.662		56.1		40-140	8.73	30	
2-Nitroaniline	1.04	0.34	mg/Kg wet	1.662		62.7		40-140	25.1	30	
3-Nitroaniline	0.885	0.34	mg/Kg wet	1.662		53.2		30-140	14.0	30	†
4-Nitroaniline	0.928	0.34	mg/Kg wet	1.662		55.8		40-140	9.56	30	
Nitrobenzene	0.941	0.34	mg/Kg wet	1.662		56.6		40-140	8.69	30	
2-Nitrophenol	1.02	0.34	mg/Kg wet	1.662		61.1		30-130	8.35	30	
4-Nitrophenol	1.02	0.66	mg/Kg wet	1.662		61.5		30-130	15.3	50	‡
N-Nitrosodiphenylamine/Diphenylamine	1.02	0.34	mg/Kg wet	1.662		61.2		40-140	9.59	30	
N-Nitrosodi-n-propylamine	0.933	0.34	mg/Kg wet	1.662		56.1		40-140	7.97	30	
Pentachlorophenol	0.942	0.34	mg/Kg wet	1.662		56.7		30-130	9.23	30	
Phenanthrene	0.974	0.033	mg/Kg wet	1.662		58.6		40-140	9.16	30	
Phenol	0.923	0.34	mg/Kg wet	1.662		55.5		30-130	7.36	30	
Pyrene	1.00	0.033	mg/Kg wet	1.662		60.2		40-140	11.1	30	
Pyridine	0.600	0.34	mg/Kg wet	1.662		36.1		30-140	6.54	30	†
1,2,4,5-Tetrachlorobenzene	1.08	0.34	mg/Kg wet	1.662		65.0		40-140	4.58	30	
2,4,5-Trichlorophenol	1.09	0.34	mg/Kg wet	1.662		65.6		30-130	8.65	30	
2,4,6-Trichlorophenol	1.05	0.34	mg/Kg wet	1.662		63.3		30-130	10.2	30	
Surrogate: 2-Fluorophenol	*3.76*		mg/Kg wet	6.649		56.6		30-130			
Surrogate: Phenol-d6	*3.65*		mg/Kg wet	6.649		54.8		30-130			
Surrogate: Nitrobenzene-d5	*1.80*		mg/Kg wet	3.324		54.1		30-130			
Surrogate: 2-Fluorobiphenyl	*2.13*		mg/Kg wet	3.324		64.2		30-130			
Surrogate: 2,4,6-Tribromophenol	*4.89*		mg/Kg wet	6.649		73.6		30-130			
Surrogate: p-Terphenyl-d14	*2.36*		mg/Kg wet	3.324		70.9		30-130			
Matrix Spike (B417963-MS1)	**Source: 25K1216-01**			Prepared: 11/21/25 Analyzed: 11/25/25							
2,3,4,6-Tetrachlorophenol	0.708	0.82	mg/Kg dry	2.029	ND	**34.9**	*	40-140			MS-22, J
Atrazine	0.927	0.82	mg/Kg dry	2.029	ND	45.7		40-140			V-06
Benzaldehyde	0.569	0.41	mg/Kg dry	2.029	ND	**28.1**	*	40-140			MS-09, V-34
Biphenyl	0.840	0.082	mg/Kg dry	2.029	ND	41.4		40-140			
Caprolactam	0.680	0.41	mg/Kg dry	2.029	ND	**33.5**	*	40-140			MS-22
Acenaphthene	0.769	0.040	mg/Kg dry	2.029	0.0150	**37.1**	*	40-140			MS-22
Acenaphthylene	0.822	0.040	mg/Kg dry	2.029	0.0146	**39.8**	*	40-140			MS-22
Acetophenone	0.724	0.41	mg/Kg dry	2.029	ND	**35.7**	*	40-140			MS-22
Aniline	0.377	0.41	mg/Kg dry	2.029	ND	**18.6**	*	40-140			MS-09, V-34, J
Anthracene	0.868	0.040	mg/Kg dry	2.029	0.0714	**39.2**	*	40-140			MS-22
Benzo(a)anthracene	1.37	0.040	mg/Kg dry	2.029	0.483	43.5		40-140			
Benzo(a)pyrene	1.54	0.040	mg/Kg dry	2.029	0.622	45.3		40-140			
Benzo(b)fluoranthene	1.98	0.040	mg/Kg dry	2.029	0.857	55.2		40-140			
Benzo(g,h,i)perylene	1.29	0.040	mg/Kg dry	2.029	0.543	**36.9**	*	40-140			MS-22
Benzo(k)fluoranthene	1.34	0.040	mg/Kg dry	2.029	0.308	51.0		40-140			
Bis(2-chloroethoxy)methane	0.739	0.41	mg/Kg dry	2.029	ND	**36.4**	*	40-140			MS-22
Bis(2-chloroethyl)ether	0.722	0.41	mg/Kg dry	2.029	ND	**35.6**	*	40-140			MS-22
2,2'-oxybis(1-Chloropropane)	0.820	0.41	mg/Kg dry	2.029	ND	40.4		40-140			
Bis(2-Ethylhexyl)phthalate	1.08	0.41	mg/Kg dry	2.029	0.0990	48.3		40-140			V-06
4-Bromophenylphenylether	0.805	0.41	mg/Kg dry	2.029	ND	**39.7**	*	40-140			MS-22
Butylbenzylphthalate	0.947	0.41	mg/Kg dry	2.029	0.0499	44.2		40-140			
Carbazole	0.860	0.21	mg/Kg dry	2.029	0.0588	**39.5**	*	40-140			MS-22
4-Chloroaniline	0.507	0.80	mg/Kg dry	2.029	ND	**25.0**	*	40-140			MS-09, J
4-Chloro-3-methylphenol	0.723	0.80	mg/Kg dry	2.029	ND	35.6		30-130			J
2-Chloronaphthalene	0.713	0.41	mg/Kg dry	2.029	ND	**35.1**	*	40-140			MS-22
2-Chlorophenol	0.683	0.41	mg/Kg dry	2.029	ND	33.7		30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B417963 - SW-846 3546											
Matrix Spike (B417963-MS1)	**Source: 25K1216-01**			Prepared: 11/21/25 Analyzed: 11/25/25							
4-Chlorophenylphenylether	0.794	0.41	mg/Kg dry	2.029	ND	**39.1**	*	40-140			MS-22
Chrysene	1.45	0.040	mg/Kg dry	2.029	0.595	42.2		40-140			
Dibenz(a,h)anthracene	0.816	0.040	mg/Kg dry	2.029	0.100	**35.3**	*	40-140			MS-22
Dibenzofuran	0.803	0.41	mg/Kg dry	2.029	ND	**39.6**	*	40-140			MS-22
Di-n-butylphthalate	0.881	0.41	mg/Kg dry	2.029	ND	43.4		40-140			
3,3-Dichlorobenzidine	0.537	0.21	mg/Kg dry	2.029	ND	**26.5**	*	40-140			MS-09, R-06
2,4-Dichlorophenol	0.740	0.41	mg/Kg dry	2.029	ND	36.5		30-130			
Diethylphthalate	0.822	0.41	mg/Kg dry	2.029	ND	40.5		40-140			
2,4-Dimethylphenol	0.737	0.41	mg/Kg dry	2.029	ND	36.3		30-130			
Dimethylphthalate	0.827	0.41	mg/Kg dry	2.029	ND	40.8		40-140			
4,6-Dinitro-2-methylphenol	0.836	0.41	mg/Kg dry	2.029	ND	41.2		30-130			
2,4-Dinitrophenol	0.651	0.80	mg/Kg dry	2.029	ND	32.1		30-130			V-04, V-06, J
2,4-Dinitrotoluene	0.825	0.41	mg/Kg dry	2.029	ND	40.6		40-140			
2,6-Dinitrotoluene	0.816	0.41	mg/Kg dry	2.029	ND	40.2		40-140			
Di-n-octylphthalate	1.35	0.41	mg/Kg dry	2.029	ND	66.4		40-140			V-06
Fluoranthene	2.44	0.040	mg/Kg dry	2.029	1.32	55.4		40-140			
Fluorene	0.814	0.040	mg/Kg dry	2.029	0.0191	**39.2**	*	40-140			MS-22
Hexachlorobenzene	0.845	0.41	mg/Kg dry	2.029	ND	41.7		40-140			
Hexachlorobutadiene	0.804	0.41	mg/Kg dry	2.029	ND	**39.6**	*	40-140			MS-22
Hexachlorocyclopentadiene	0.223	0.41	mg/Kg dry	2.029	ND	**11.0**	*	30-130			MS-09, R-06, J
Hexachloroethane	0.650	0.41	mg/Kg dry	2.029	ND	**32.0**	*	40-140			MS-09
Indeno(1,2,3-cd)pyrene	1.36	0.040	mg/Kg dry	2.029	0.564	**39.1**	*	40-140			MS-22
Isophorone	0.827	0.41	mg/Kg dry	2.029	ND	40.7		40-140			
1-Methylnaphthalene	0.743	0.040	mg/Kg dry	2.029	ND	**36.6**	*	40-140			MS-22
2-Methylnaphthalene	0.692	0.040	mg/Kg dry	2.029	ND	**34.1**	*	40-140			MS-09
2-Methylphenol	0.716	0.41	mg/Kg dry	2.029	ND	35.3		30-130			
3/4-Methylphenol	0.719	0.41	mg/Kg dry	2.029	ND	35.5		30-130			
Naphthalene	0.754	0.040	mg/Kg dry	2.029	0.00933	**36.7**	*	40-140			MS-22
2-Nitroaniline	0.806	0.41	mg/Kg dry	2.029	ND	**39.7**	*	40-140			MS-22
3-Nitroaniline	1.01	0.41	mg/Kg dry	2.029	ND	49.9		40-140			R-06
4-Nitroaniline	0.659	0.41	mg/Kg dry	2.029	ND	**32.5**	*	40-140			MS-09
Nitrobenzene	0.756	0.41	mg/Kg dry	2.029	ND	**37.3**	*	40-140			MS-22
2-Nitrophenol	0.797	0.41	mg/Kg dry	2.029	ND	39.3		30-130			
4-Nitrophenol	0.856	0.80	mg/Kg dry	2.029	ND	42.2		30-130			
N-Nitrosodiphenylamine/Diphenylamine	0.783	0.41	mg/Kg dry	2.029	ND	**38.6**	*	40-140			MS-22
N-Nitrosodi-n-propylamine	0.750	0.41	mg/Kg dry	2.029	ND	**36.9**	*	40-140			MS-22
Pentachlorophenol	0.344	0.41	mg/Kg dry	2.029	ND	**17.0**	*	30-130			MS-09, R-06, J
Phenanthrene	1.29	0.040	mg/Kg dry	2.029	0.451	41.5		40-140			
Phenol	0.711	0.41	mg/Kg dry	2.029	ND	35.0		30-130			
Pyrene	1.79	0.040	mg/Kg dry	2.029	0.895	44.3		40-140			
Pyridine	0.472	0.41	mg/Kg dry	2.029	ND	**23.3**	*	40-140			MS-09
1,2,4,5-Tetrachlorobenzene	0.820	0.41	mg/Kg dry	2.029	ND	40.4		40-140			
2,4,5-Trichlorophenol	0.819	0.41	mg/Kg dry	2.029	ND	40.4		30-130			
2,4,6-Trichlorophenol	0.778	0.41	mg/Kg dry	2.029	ND	38.4		30-130			
Surrogate: 2-Fluorophenol	*2.93*		mg/Kg dry	8.116		36.1		30-130			
Surrogate: Phenol-d6	*2.85*		mg/Kg dry	8.116		35.2		30-130			
Surrogate: Nitrobenzene-d5	*1.48*		mg/Kg dry	4.058		36.5		30-130			
Surrogate: 2-Fluorobiphenyl	*1.65*		mg/Kg dry	4.058		40.7		30-130			
Surrogate: 2,4,6-Tribromophenol	*3.48*		mg/Kg dry	8.116		42.8		30-130			
Surrogate: p-Terphenyl-d14	*1.65*		mg/Kg dry	4.058		40.7		30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes
Batch B417963 - SW-846 3546												
Matrix Spike Dup (B417963-MSD1)	**Source: 25K1216-01**			Prepared: 11/21/25 Analyzed: 11/25/25								
2,3,4,6-Tetrachlorophenol	0.875	0.82	mg/Kg dry	2.028	ND	43.2		40-140	21.1		30	
Atrazine	1.11	0.82	mg/Kg dry	2.028	ND	54.6		40-140	17.8		30	V-06
Benzaldehyde	0.687	0.41	mg/Kg dry	2.028	ND	**33.9**	*	40-140	18.7		30	MS-09, V-34
Biphenyl	0.996	0.082	mg/Kg dry	2.028	ND	49.1		40-140	17.0		30	
Caprolactam	0.842	0.41	mg/Kg dry	2.028	ND	41.5		40-140	21.4		30	
Acenaphthene	0.921	0.040	mg/Kg dry	2.028	0.0150	44.7		40-140	18.0		30	
Acenaphthylene	0.978	0.040	mg/Kg dry	2.028	0.0146	47.5		40-140	17.3		30	
Acetophenone	0.837	0.41	mg/Kg dry	2.028	ND	41.3		40-140	14.5		30	
Aniline	0.335	0.41	mg/Kg dry	2.028	ND	**16.5**	*	40-140	11.8		30	MS-09, V-34, J
Anthracene	0.964	0.040	mg/Kg dry	2.028	0.0714	44.0		40-140	10.5		30	
Benzo(a)anthracene	1.41	0.040	mg/Kg dry	2.028	0.483	45.6		40-140	2.92		30	
Benzo(a)pyrene	1.60	0.040	mg/Kg dry	2.028	0.622	48.3		40-140	3.91		30	
Benzo(b)fluoranthene	1.81	0.040	mg/Kg dry	2.028	0.857	47.1		40-140	8.73		30	
Benzo(g,h,i)perylene	1.52	0.040	mg/Kg dry	2.028	0.543	48.3		40-140	16.3		30	
Benzo(k)fluoranthene	1.28	0.040	mg/Kg dry	2.028	0.308	48.1		40-140	4.45		30	
Bis(2-chloroethoxy)methane	0.860	0.41	mg/Kg dry	2.028	ND	42.4		40-140	15.2		30	
Bis(2-chloroethyl)ether	0.854	0.41	mg/Kg dry	2.028	ND	42.1		40-140	16.7		30	
2,2'-oxybis(1-Chloropropane)	0.952	0.41	mg/Kg dry	2.028	ND	46.9		40-140	14.9		30	
Bis(2-Ethylhexyl)phthalate	1.44	0.41	mg/Kg dry	2.028	0.0990	66.3		40-140	28.9		30	V-06
4-Bromophenylphenylether	0.983	0.41	mg/Kg dry	2.028	ND	48.5		40-140	19.9		30	
Butylbenzylphthalate	1.26	0.41	mg/Kg dry	2.028	0.0499	59.7		40-140	28.4		30	
Carbazole	1.02	0.21	mg/Kg dry	2.028	0.0588	47.3		40-140	16.7		30	
4-Chloroaniline	0.525	0.80	mg/Kg dry	2.028	ND	**25.9**	*	40-140	3.47		30	MS-09, J
4-Chloro-3-methylphenol	0.882	0.80	mg/Kg dry	2.028	ND	43.5		30-130	19.9		30	
2-Chloronaphthalene	0.819	0.41	mg/Kg dry	2.028	ND	40.4		40-140	13.9		30	
2-Chlorophenol	0.807	0.41	mg/Kg dry	2.028	ND	39.8		30-130	16.7		30	
4-Chlorophenylphenylether	0.979	0.41	mg/Kg dry	2.028	ND	48.3		40-140	20.8		30	
Chrysene	1.52	0.040	mg/Kg dry	2.028	0.595	45.7		40-140	4.79		30	
Dibenz(a,h)anthracene	1.01	0.040	mg/Kg dry	2.028	0.100	45.1		40-140	21.7		30	
Dibenzofuran	0.953	0.41	mg/Kg dry	2.028	ND	47.0		40-140	17.0		30	
Di-n-butylphthalate	1.10	0.41	mg/Kg dry	2.028	ND	54.0		40-140	21.6		30	
3,3-Dichlorobenzidine	0.314	0.21	mg/Kg dry	2.028	ND	**15.5**	*	40-140	**52.4**	*	30	MS-09, R-06
2,4-Dichlorophenol	0.913	0.41	mg/Kg dry	2.028	ND	45.0		30-130	20.9		30	
Diethylphthalate	1.03	0.41	mg/Kg dry	2.028	ND	50.9		40-140	22.7		30	
2,4-Dimethylphenol	0.880	0.41	mg/Kg dry	2.028	ND	43.4		30-130	17.7		30	
Dimethylphthalate	0.991	0.41	mg/Kg dry	2.028	ND	48.9		40-140	18.0		30	
4,6-Dinitro-2-methylphenol	0.970	0.41	mg/Kg dry	2.028	ND	47.8		30-130	14.8		30	
2,4-Dinitrophenol	0.792	0.80	mg/Kg dry	2.028	ND	39.1		30-130	19.5		30	V-04, V-06, J
2,4-Dinitrotoluene	0.994	0.41	mg/Kg dry	2.028	ND	49.0		40-140	18.7		30	
2,6-Dinitrotoluene	0.998	0.41	mg/Kg dry	2.028	ND	49.2		40-140	20.0		30	
Di-n-octylphthalate	1.55	0.41	mg/Kg dry	2.028	ND	76.6		40-140	14.2		30	V-06
Fluoranthene	2.42	0.040	mg/Kg dry	2.028	1.32	54.3		40-140	0.935		30	
Fluorene	0.967	0.040	mg/Kg dry	2.028	0.0191	46.8		40-140	17.2		30	
Hexachlorobenzene	1.00	0.41	mg/Kg dry	2.028	ND	49.5		40-140	17.1		30	
Hexachlorobutadiene	0.955	0.41	mg/Kg dry	2.028	ND	47.1		40-140	17.2		30	
Hexachlorocyclopentadiene	0.128	0.41	mg/Kg dry	2.028	ND	**6.30**	*	30-130	**54.4**	*	30	MS-09, R-06, J
Hexachloroethane	0.669	0.41	mg/Kg dry	2.028	ND	**33.0**	*	40-140	2.95		30	MS-09
Indeno(1,2,3-cd)pyrene	1.53	0.040	mg/Kg dry	2.028	0.564	47.8		40-140	12.1		30	
Isophorone	0.959	0.41	mg/Kg dry	2.028	ND	47.3		40-140	14.8		30	
1-Methylnaphthalene	0.860	0.040	mg/Kg dry	2.028	ND	42.4		40-140	14.5		30	
2-Methylnaphthalene	0.809	0.040	mg/Kg dry	2.028	ND	**39.9**	*	40-140	15.5		30	MS-09
2-Methylphenol	0.813	0.41	mg/Kg dry	2.028	ND	40.1		30-130	12.7		30	

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes
Batch B417963 - SW-846 3546												
Matrix Spike Dup (B417963-MSD1)	**Source: 25K1216-01**			Prepared: 11/21/25 Analyzed: 11/25/25								
3/4-Methylphenol	0.865	0.41	mg/Kg dry	2.028	ND	42.7		30-130	18.4		30	
Naphthalene	0.897	0.040	mg/Kg dry	2.028	0.00933	43.8		40-140	17.4		30	
2-Nitroaniline	0.963	0.41	mg/Kg dry	2.028	ND	47.5		40-140	17.7		30	
3-Nitroaniline	1.55	0.41	mg/Kg dry	2.028	ND	76.2		40-140	**41.6**	*	30	R-06
4-Nitroaniline	0.672	0.41	mg/Kg dry	2.028	ND	**33.2**	*	40-140	2.01		30	MS-09
Nitrobenzene	0.878	0.41	mg/Kg dry	2.028	ND	43.3		40-140	15.0		30	
2-Nitrophenol	0.941	0.41	mg/Kg dry	2.028	ND	46.4		30-130	16.5		30	
4-Nitrophenol	1.05	0.80	mg/Kg dry	2.028	ND	51.9		30-130	20.6		30	
N-Nitrosodiphenylamine/Diphenylamine	0.940	0.41	mg/Kg dry	2.028	ND	46.4		40-140	18.3		30	
N-Nitrosodi-n-propylamine	0.873	0.41	mg/Kg dry	2.028	ND	43.0		40-140	15.2		30	
Pentachlorophenol	0.547	0.41	mg/Kg dry	2.028	ND	**27.0**	*	30-130	**45.5**	*	30	MS-09, R-06
Phenanthrene	1.36	0.040	mg/Kg dry	2.028	0.451	44.9		40-140	5.16		30	
Phenol	0.818	0.41	mg/Kg dry	2.028	ND	40.4		30-130	14.0		30	
Pyrene	1.95	0.040	mg/Kg dry	2.028	0.895	52.2		40-140	8.55		30	
Pyridine	0.559	0.41	mg/Kg dry	2.028	ND	**27.6**	*	40-140	16.8		30	MS-09
1,2,4,5-Tetrachlorobenzene	0.942	0.41	mg/Kg dry	2.028	ND	46.5		40-140	13.9		30	
2,4,5-Trichlorophenol	0.973	0.41	mg/Kg dry	2.028	ND	48.0		30-130	17.2		30	
2,4,6-Trichlorophenol	0.945	0.41	mg/Kg dry	2.028	ND	46.6		30-130	19.4		30	
Surrogate: 2-Fluorophenol	*3.36*		mg/Kg dry	8.111		41.4		30-130				
Surrogate: Phenol-d6	*3.28*		mg/Kg dry	8.111		40.5		30-130				
Surrogate: Nitrobenzene-d5	*1.76*		mg/Kg dry	4.055		43.3		30-130				
Surrogate: 2-Fluorobiphenyl	*1.93*		mg/Kg dry	4.055		47.5		30-130				
Surrogate: 2,4,6-Tribromophenol	*4.40*		mg/Kg dry	8.111		54.3		30-130				
Surrogate: p-Terphenyl-d14	*2.23*		mg/Kg dry	4.055		54.9		30-130				

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QUALITY CONTROL

Total Metals - Mansfield Lab - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch WG2146092 - EPA 3050B										
Blank (WG2146092-1)				Prepared: 11/25/25 Analyzed: 11/28/25						
Aluminum, Total	ND	4.00	mg/kg				-			
Antimony, Total	ND	2.00	mg/kg				-			
Arsenic, Total	ND	0.400	mg/kg				-			
Barium, Total	ND	0.400	mg/kg				-			
Beryllium, Total	ND	0.200	mg/kg				-			
Boron, Total	ND	1.20	mg/kg				-			
Cadmium, Total	ND	0.400	mg/kg				-			
Calcium, Total	ND	4.00	mg/kg				-			
Chromium, Total	ND	0.400	mg/kg				-			
Cobalt, Total	ND	0.800	mg/kg				-			
Copper, Total	ND	0.400	mg/kg				-			
Iron, Total	0.608	2.00	mg/kg				-			J
Lead, Total	ND	2.00	mg/kg				-			
Magnesium, Total	ND	4.00	mg/kg				-			
Manganese, Total	ND	0.400	mg/kg				-			
Nickel, Total	ND	1.00	mg/kg				-			
Potassium, Total	ND	100	mg/kg				-			
Selenium, Total	ND	0.800	mg/kg				-			
Silver, Total	ND	0.200	mg/kg				-			
Sodium, Total	ND	80.0	mg/kg				-			
Thallium, Total	ND	0.800	mg/kg				-			
Vanadium, Total	ND	0.400	mg/kg				-			
Zinc, Total	ND	2.00	mg/kg				-			
LCS (WG2146092-2)				Prepared: 11/25/25 Analyzed: 11/28/25						
Aluminum, Total	170	2.6	mg/kg	160		106	80-120			
Antimony, Total	41.4	3.08	mg/kg	40		104	80-120			
Arsenic, Total	9.80	.346	mg/kg	9.6		102	80-120			
Barium, Total	168	.0848	mg/kg	160		105	80-120			
Beryllium, Total	4.26	.044	mg/kg	4		106	80-120			
Boron, Total	79.6	.462	mg/kg	80		100	80-120			
Cadmium, Total	4.43	.044	mg/kg	4.24		104	80-120			
Calcium, Total	819	4.54	mg/kg	800		102	80-120			
Chromium, Total	16.9	.678	mg/kg	16		106	80-120			
Cobalt, Total	41.4	.198	mg/kg	40		104	80-120			
Copper, Total	21.3	.182	mg/kg	20		106	80-120			
Iron, Total	84.5	.84	mg/kg	80		106	80-120			
Lead, Total	43.1	.19	mg/kg	42.4		102	80-120			
Magnesium, Total	808	1.3	mg/kg	800		101	80-120			
Manganese, Total	41.9	.429	mg/kg	40		105	80-120			
Nickel, Total	41.9	.646	mg/kg	40		105	80-120			
Potassium, Total	824	40.6	mg/kg	800		103	80-120			
Selenium, Total	9.70	.263	mg/kg	9.6		101	80-120			
Silver, Total	4.12	.238	mg/kg	4		103	80-120			
Sodium, Total	838	84.8	mg/kg	800		105	80-120			
Thallium, Total	9.83	.722	mg/kg	9.6		102	80-120			
Vanadium, Total	43.0	.121	mg/kg	40		108	80-120			
Zinc, Total	41.9	.485	mg/kg	40		105	80-120			

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QUALITY CONTROL

Total Metals - Mansfield Lab - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch WG2146094 - EPA 7471B										
Blank (WG2146094-1)				Prepared: 11/25/25 Analyzed: 11/26/25						
Mercury, Total	ND	0.083	mg/kg				-			
LCS (WG2146094-2)				Prepared: 11/25/25 Analyzed: 11/26/25						
Mercury, Total	1.60	.0833	mg/kg	1.67		96	80-120			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
MS-09	Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-22	Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.
R-06	Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.
V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.
V-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Soil	
Atrazine	ME,NC
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Acetophenone	NY,NH,ME,NC,VA
Aniline	NY,NH,ME,NC,VA
Anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA
Bis(2-chloroethoxy)methane	CT,NY,NH,ME,NC,VA
Bis(2-chloroethyl)ether	CT,NY,NH,ME,NC,VA
2,2'-oxybis(1-Chloropropane)	CT,NY,NH,ME,NC,VA
Bis(2-Ethylhexyl)phthalate	CT,NY,NH,ME,NC,VA
4-Bromophenylphenylether	CT,NY,NH,ME,NC,VA
Butylbenzylphthalate	CT,NY,NH,ME,NC,VA
Carbazole	NC
4-Chloroaniline	CT,NY,NH,ME,NC,VA
4-Chloro-3-methylphenol	CT,NY,NH,ME,NC,VA
2-Chloronaphthalene	CT,NY,NH,NC,VA
2-Chlorophenol	CT,NY,NH,ME,NC,VA
4-Chlorophenylphenylether	CT,NY,NH,ME,NC,VA
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Dibenzofuran	CT,NY,NH,ME,NC,VA
Di-n-butylphthalate	CT,NY,NH,ME,NC,VA
3,3-Dichlorobenzidine	CT,NY,NH,ME,NC,VA
2,4-Dichlorophenol	CT,NY,NH,ME,NC,VA
Diethylphthalate	CT,NY,NH,ME,NC,VA
2,4-Dimethylphenol	CT,NY,NH,ME,NC,VA
Dimethylphthalate	CT,NY,NH,ME,NC,VA
4,6-Dinitro-2-methylphenol	CT,NY,NH,ME,NC,VA
2,4-Dinitrophenol	CT,NY,NH,ME,NC,VA
2,4-Dinitrotoluene	CT,NY,NH,ME,NC,VA
2,6-Dinitrotoluene	CT,NY,NH,ME,NC,VA
Di-n-octylphthalate	CT,NY,NH,ME,NC,VA
Fluoranthene	CT,NY,NH,ME,NC,VA
Fluorene	NY,NH,ME,NC,VA
Hexachlorobenzene	CT,NY,NH,ME,NC,VA
Hexachlorobutadiene	CT,NY,NH,ME,NC,VA
Hexachlorocyclopentadiene	CT,NY,NH,ME,NC,VA
Hexachloroethane	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
Isophorone	CT,NY,NH,ME,NC,VA
1-Methylnaphthalene	NC
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Soil	
2-Methylphenol	CT,NY,NH,ME,NC,VA
3/4-Methylphenol	CT,NY,NH,ME,NC,VA
Naphthalene	CT,NY,NH,ME,NC,VA
2-Nitroaniline	CT,NY,NH,ME,NC,VA
3-Nitroaniline	CT,NY,NH,ME,NC,VA
4-Nitroaniline	CT,NY,NH,ME,NC,VA
Nitrobenzene	CT,NY,NH,ME,NC,VA
2-Nitrophenol	CT,NY,NH,ME,NC,VA
4-Nitrophenol	CT,NY,NH,ME,NC,VA
N-Nitrosodi-n-propylamine	CT,NY,NH,ME,NC,VA
Pentachlorophenol	CT,NY,NH,ME,NC,VA
Phenanthrene	CT,NY,NH,ME,NC,VA
Phenol	CT,NY,NH,ME,NC,VA
Pyrene	CT,NY,NH,ME,NC,VA
Pyridine	CT,NY,NH,ME,NC,VA
1,2,4,5-Tetrachlorobenzene	NY,NC
2,4,5-Trichlorophenol	CT,NY,NH,ME,NC,VA
2,4,6-Trichlorophenol	CT,NY,NH,ME,NC,VA
2-Fluorophenol	NC
SW-846 8270E in Water	
Acenaphthene	CT,NY,NC,ME,NH,VA
Acenaphthylene	CT,NY,NC,ME,NH,VA
Acetophenone	NY,NC
Aniline	CT,NY,NC,ME,VA
Anthracene	CT,NY,NC,ME,NH,VA
Benzo(a)anthracene	CT,NY,NC,ME,NH,VA
Benzo(a)pyrene	CT,NY,NC,ME,NH,VA
Benzo(b)fluoranthene	CT,NY,NC,ME,NH,VA
Benzo(g,h,i)perylene	CT,NY,NC,ME,NH,VA
Benzo(k)fluoranthene	CT,NY,NC,ME,NH,VA
Bis(2-chloroethoxy)methane	CT,NY,NC,ME,NH,VA
Bis(2-chloroethyl)ether	CT,NY,NC,ME,NH,VA
2,2'-oxybis(1-Chloropropane)	CT,NY,NC,ME,NH,VA
Bis(2-Ethylhexyl)phthalate	CT,NY,NC,ME,NH,VA
4-Bromophenylphenylether	CT,NY,NC,ME,NH,VA
Butylbenzylphthalate	CT,NY,NC,ME,NH,VA
Carbazole	NC
4-Chloroaniline	CT,NY,NC,ME,NH,VA
4-Chloro-3-methylphenol	CT,NY,NC,ME,NH,VA
2-Chloronaphthalene	CT,NY,NC,ME,NH,VA
2-Chlorophenol	CT,NY,NC,ME,NH,VA
4-Chlorophenylphenylether	CT,NY,NC,ME,NH,VA
Chrysene	CT,NY,NC,ME,NH,VA
Dibenz(a,h)anthracene	CT,NY,NC,ME,NH,VA
Dibenzofuran	CT,NY,NC,ME,NH,VA
Di-n-butylphthalate	CT,NY,NC,ME,NH,VA

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Water	
3,3-Dichlorobenzidine	CT,NY,NC,ME,NH,VA
2,4-Dichlorophenol	CT,NY,NC,ME,NH,VA
Diethylphthalate	CT,NY,NC,ME,NH,VA
2,4-Dimethylphenol	CT,NY,NC,ME,NH,VA
Dimethylphthalate	CT,NY,NC,ME,NH,VA
4,6-Dinitro-2-methylphenol	CT,NY,NC,ME,NH,VA
2,4-Dinitrophenol	CT,NY,NC,ME,NH,VA
2,4-Dinitrotoluene	CT,NY,NC,ME,NH,VA
2,6-Dinitrotoluene	CT,NY,NC,ME,NH,VA
Di-n-octylphthalate	CT,NY,NC,ME,NH,VA
Fluoranthene	CT,NY,NC,ME,NH,VA
Fluorene	NY,NC,ME,NH,VA
Hexachlorobenzene	CT,NY,NC,ME,NH,VA
Hexachlorobutadiene	CT,NY,NC,ME,NH,VA
Hexachlorocyclopentadiene	CT,NY,NC,ME,NH,VA
Hexachloroethane	CT,NY,NC,ME,NH,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NC,ME,NH,VA
Isophorone	CT,NY,NC,ME,NH,VA
1-Methylnaphthalene	NC
2-Methylnaphthalene	CT,NY,NC,ME,NH,VA
2-Methylphenol	CT,NY,NC,NH,VA
3/4-Methylphenol	CT,NY,NC,NH,VA
Naphthalene	CT,NY,NC,ME,NH,VA
2-Nitroaniline	CT,NY,NC,ME,NH,VA
3-Nitroaniline	CT,NY,NC,ME,NH,VA
4-Nitroaniline	CT,NY,NC,ME,NH,VA
Nitrobenzene	CT,NY,NC,ME,NH,VA
2-Nitrophenol	CT,NY,NC,ME,NH,VA
4-Nitrophenol	CT,NY,NC,ME,NH,VA
N-Nitrosodi-n-propylamine	CT,NY,NC,ME,NH,VA
Pentachlorophenol	CT,NY,NC,ME,NH,VA
Phenanthrene	CT,NY,NC,ME,NH,VA
Phenol	CT,NY,NC,ME,NH,VA
Pyrene	CT,NY,NC,ME,NH,VA
Pyridine	CT,NY,NC,ME,NH,VA
1,2,4,5-Tetrachlorobenzene	NY,NC
2,4,5-Trichlorophenol	CT,NY,NC,ME,NH,VA
2,4,6-Trichlorophenol	CT,NY,NC,ME,NH,VA
2-Fluorophenol	NC

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Pace Analytical Services, LLC - East Longmeadow, Ma, operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2026
NY	New York State Department of Health	10899 NELAP	04/1/2026
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2026
NC	North Carolina Div. of Water Quality	652	12/31/2025
ME	State of Maine	MA00100	06/9/2027
VA	Commonwealth of Virginia	460217	12/14/2025

East Longmeadow, MA 01028

CHAIN OF CUSTODY RECORD (New York)

25K1216

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name: NYS DEC | Consultant: HRP Associates Inc.

Consultant Address: 1 Fairchild Square, Clifton Park NY

Consultant Phone: 518-877-7101

Allout Project Name: Corning Fire Department

Project Location: 21 Corning Boulevard, Corning, NY

Allout Number: 153522

Site/Spill Number: 851050

Project Manager: Mark Wright

Price Analytical Quote Name/Number: See collect

Invoice Recipient: NYSDEC

Sampled By: John Germain

Requested Turnaround Time

DEC Standard 30-calendar day ☐

Due Date: RUSH 5-DAY

Rush (Prior Approval Required)

1-Day ☐ 2-Day ☐ 3-Day ☐

4-Day ☐ 5-Day ☐ 10-Day ☐

Data Delivery

Format: PDF ☑ EXCEL ☑

Other: Cat B / NYSDEC EQuIS EDD

CLP Like (Level 4) Data Pkg Required: ☐

Email To: Mark.wright@hrpassociates.com; john.germain@

Fax To #:

ANALYSIS REQUESTED (* Circle Requested Analyses/Reporting List)

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	8260: DER TCL / Oxygenates / CP-51	8270: DER TCL / CP-51	1,4-Dioxane SIM | 8082 PCBs	8081 Pesticide | 8151 Herbicide	TAL Total Metals | TCLP RCRA 8 Metals	PFAS 1633 | PFAS 537 ID	Tote / Solids	# of Containers	[2] Preservation Code	[3] Container Code
									6			6		6		H	P
									I			I		H			
									G			G		P			
1	D-3 (0-2in)	11.17.25	520		X	S	U		1			1		1			
2	D-3 (2-12in)	11.17.25	1525		X	S	U		1			1		1			
3	E-2 (0-2in)	11.17.25	1550		X	S	U		1			1		1			
4	E-2 (2-12in)	11.17.25	1555		X	S	U		1			1		1			
5	E-3 (0-2in)	11.17.25	1615		X	S	U		1			1		1			
6	E-3 (2-12in)	11.17.25	1620		X	S	U		1			1		1			

Comments: See C.O.C notes pg 1

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Dissolved Metals Samples
Field Filtered
Lab to Filter

Orthophosphate Samples
Field Filtered
Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Relinquished by: (signature) John Klumm HRP	Date/Time: 11/19/25	1125
Received by: (signature) Locum 7 day (PACE)	Date/Time: 11/19/25	11:25
Relinquished by: (signature) Locum 7 day (PACE)	Date/Time: 11/19/25	11:25
Received by: (signature) Locum 7 day (PACE) Buffalo Sample Center	Date/Time: 11/19/25	11:25
Relinquished by: (signature) Russell B Bates	Date/Time: 11-19-25	16:31
Received by: (signature)	Date/Time: 11/20/25	0900

Program & Regulatory Information

☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☑ NY Unrestricted Use
☐ NY Part 375

Other:

Deliverables

☐ Enhanced Data Package
☒ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD

Other:

NELAC and AIHA-LAP, LLC Accredited

Project Entity

☑ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other

☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY

☐ Soxhlet
☐ Non Soxhlet

0.6, 0.9, 1.1, 1.4 @315

Table of Contents

ENV-FRM-ELON-0001 v09_Sample Receiving Checklist

Log In Back-Sheet

Client HRP Associates INC.
Project Corning Fire Department
MCP/RCP Required N/A
Deliverable Package Requirement CAT B
Location 2 Corning Boulevard, Corning, NY
PWSID# (When Applicable) N/A
Arrival Method:
Courier ☑ Fed Ex ☐ Walk In ☐ Other ☐
Received By / Date / Time RL / 11.20.25 / 0345
Back-Sheet By / Date / Time RL / 11.20.25 / 1238
Temperature Method gun # 7
WV samples: Yes (see note*) / (No) (follow normal procedure)
Temp < 6° C Actual Temperature 0.6, 0.9, 1.1, 1.4
Rush Samples: (Yes) / No Notify Teams
Short Hold: Yes / (No) Notify

Notes regarding Samples/COC outside of SOP:

Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy)
Any False statement will be brought to the attention of the Client – True or False

	True	False
Received on Ice	☑	☐
Received in Cooler	☑	☐
Custody Seal: DATE TIME	☐	☑
COC Relinquished	☑	☐
COC/Samples Labels Agree	☑	☐
All Samples in Good Condition	☑	☐
Samples Received within Holding Time	☑	☐
Is there enough Volume	☑	☐
Proper Media/Container Used	☑	☐
Splitting Samples Required	☐	☑
MS/MSD	☐	☑
Trip Blanks	☐	☑
Lab to Filters	☐	☑
COC Legible	☑	☐

COC Included: (Check all included)

Client	☑	Analysis	☑	Sampler Name	☑
Project	☑	IDs	☐	Collection Date/Time	☑

All Samples Proper pH:	(N/A)	☐	☐
Samples Chlorinated:	(N/A)	☐	☐

Additional Container Notes

Note: West Virginia requires all samples to have their temperature taken. Note any outliers.

	Soils				Ambers Glass								Plastics																Vials									Other
	16 (oz)	8 (oz)	4 (oz)	2 (oz)	1L			250mL				100 (mL)	Other	1L		500mL		250mL							125 (mL)	80 (mL)	Encore		8oz	Other		VOA 40mL							20mL		
	C / A	C / A	C / A	C / A	Unp.	HCl	H_2SO_4	Unp.	Phos.	HCl	H_2SO_4	Unp.	8oz-BR	Unp.	H_2SO_4	Unp.	H_2SO_4	Unp.	Triz	H_2SO_4	HNO_3	Amm. Ace	NaOH	NaOH+ZnAce	Unp.	Unp.	25g	5g	Unp.	Bag	Bac/ Col	Unp.	HCl	MeOH	DI	$NaHSO_4$	H_2SO_4	Asc. Acid	Unp.	HCl	
1			1	1																						1													
2			|	|																					|													
3			|	|																					|													
4			|	|																					|													
5			V	V																						Y													
6			1	1																						1													
7																																							
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19																																							
20																																							

ANALYTICAL REPORT

Lab Number:	L2574897
Client:	Pace New England 39 Spruce St. East Longmeadow, MA 01028
ATTN:	Raymond McCarthy
Phone:	(413) 525-2332
Project Name:	25K1216
Project Number:	25K1216
Report Date:	12/01/25

The original project report/data package is held by Pace Analytical Services. This report/data package is paginated and should be reproduced only in its entirety. Pace Analytical Services holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Project Name: 25K1216
Project Number: 25K1216

Lab Number: L2574897
Report Date: 12/01/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2574897-01	D-3 (0-2IN)	SOIL	Not Specified	11/17/25 15:20	11/21/25
L2574897-02	D-3 (2-12IN)	SOIL	Not Specified	11/17/25 15:25	11/21/25
L2574897-03	E-2 (0-2IN)	SOIL	Not Specified	11/17/25 15:50	11/21/25
L2574897-04	E-2 (2-12IN)	SOIL	Not Specified	11/17/25 15:55	11/21/25
L2574897-05	E-3 (0-2IN)	SOIL	Not Specified	11/17/25 16:15	11/21/25
L2574897-06	E-3 (2-12IN)	SOIL	Not Specified	11/17/25 16:20	11/21/25

Project Name:	25K1216	**Lab Number:**	L2574897
Project Number:	25K1216	**Report Date:**	12/01/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 25K1216 **Lab Number:** L2574897
Project Number: 25K1216 **Report Date:** 12/01/25

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Total Metals

L2574897-01 through -06: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Caitlin Walukevich Caitlin Walukevich

Title: Technical Director/Representative Date: 12/01/25

METALS

Project Name: 25K1216 **Lab Number:** L2574897

Project Number: 25K1216 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2574897-01 Date Collected: 11/17/25 15:20

Client ID: D-3 (0-2IN) Date Received: 11/21/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6420		mg/kg	9.62	3.12	2	11/25/25 02:47	11/28/25 07:24	EPA 3050B	1,6010D	LRS
Antimony, Total	ND		mg/kg	4.81	3.70	2	11/25/25 02:47	11/28/25 07:24	EPA 3050B	1,6010D	LRS
Arsenic, Total	6.03		mg/kg	0.962	0.415	2	11/25/25 02:47	11/28/25 07:24	EPA 3050B	1,6010D	LRS
Barium, Total	79.1		mg/kg	0.962	0.102	2	11/25/25 02:47	11/28/25 07:24	EPA 3050B	1,6010D	LRS
Beryllium, Total	0.351	J	mg/kg	0.481	0.053	2	11/25/25 02:47	11/28/25 07:24	EPA 3050B	1,6010D	LRS
Boron, Total	3.04		mg/kg	2.88	0.555	2	11/25/25 02:47	11/28/25 07:24	EPA 3050B	1,6010D	LRS
Cadmium, Total	0.345	J	mg/kg	0.962	0.053	2	11/25/25 02:47	11/28/25 07:24	EPA 3050B	1,6010D	LRS
Calcium, Total	3600		mg/kg	9.62	5.45	2	11/25/25 02:47	11/28/25 07:24	EPA 3050B	1,6010D	LRS
Chromium, Total	12.9		mg/kg	0.962	0.816	2	11/25/25 02:47	11/28/25 07:24	EPA 3050B	1,6010D	LRS
Cobalt, Total	6.58		mg/kg	1.92	0.238	2	11/25/25 02:47	11/28/25 07:24	EPA 3050B	1,6010D	LRS
Copper, Total	18.3		mg/kg	0.962	0.218	2	11/25/25 02:47	11/28/25 07:24	EPA 3050B	1,6010D	LRS
Iron, Total	15100		mg/kg	4.81	1.01	2	11/25/25 02:47	11/28/25 07:24	EPA 3050B	1,6010D	LRS
Lead, Total	28.3		mg/kg	4.81	0.229	2	11/25/25 02:47	11/28/25 07:24	EPA 3050B	1,6010D	LRS
Magnesium, Total	2660		mg/kg	9.62	1.57	2	11/25/25 02:47	11/28/25 07:24	EPA 3050B	1,6010D	LRS
Manganese, Total	459		mg/kg	0.962	0.516	2	11/25/25 02:47	11/28/25 07:24	EPA 3050B	1,6010D	LRS
Mercury, Total	ND		mg/kg	0.082	0.053	1	11/25/25 03:18	11/26/25 12:17	EPA 7471B	1,7471B	CME
Nickel, Total	14.5		mg/kg	2.40	0.777	2	11/25/25 02:47	11/28/25 07:24	EPA 3050B	1,6010D	LRS
Potassium, Total	471		mg/kg	240	48.8	2	11/25/25 02:47	11/28/25 07:24	EPA 3050B	1,6010D	LRS
Selenium, Total	0.499	J	mg/kg	1.92	0.316	2	11/25/25 02:47	11/28/25 07:24	EPA 3050B	1,6010D	LRS
Silver, Total	ND		mg/kg	0.481	0.287	2	11/25/25 02:47	11/28/25 07:24	EPA 3050B	1,6010D	LRS
Sodium, Total	143	J	mg/kg	192	102.	2	11/25/25 02:47	11/28/25 07:24	EPA 3050B	1,6010D	LRS
Thallium, Total	ND		mg/kg	1.92	0.868	2	11/25/25 02:47	11/28/25 07:24	EPA 3050B	1,6010D	LRS
Vanadium, Total	10.1		mg/kg	0.962	0.145	2	11/25/25 02:47	11/28/25 07:24	EPA 3050B	1,6010D	LRS
Zinc, Total	67.0		mg/kg	4.81	0.583	2	11/25/25 02:47	11/28/25 07:24	EPA 3050B	1,6010D	LRS

Project Name: 25K1216 **Lab Number:** L2574897 58

Project Number: 25K1216 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2574897-02 Date Collected: 11/17/25 15:25

Client ID: D-3 (2-12IN) Date Received: 11/21/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6760		mg/kg	9.11	2.96	2	11/25/25 02:47	11/28/25 07:26	EPA 3050B	1,6010D	LRS
Antimony, Total	ND		mg/kg	4.55	3.51	2	11/25/25 02:47	11/28/25 07:26	EPA 3050B	1,6010D	LRS
Arsenic, Total	5.68		mg/kg	0.911	0.393	2	11/25/25 02:47	11/28/25 07:26	EPA 3050B	1,6010D	LRS
Barium, Total	80.0		mg/kg	0.911	0.097	2	11/25/25 02:47	11/28/25 07:26	EPA 3050B	1,6010D	LRS
Beryllium, Total	0.372	J	mg/kg	0.455	0.050	2	11/25/25 02:47	11/28/25 07:26	EPA 3050B	1,6010D	LRS
Boron, Total	2.78		mg/kg	2.73	0.526	2	11/25/25 02:47	11/28/25 07:26	EPA 3050B	1,6010D	LRS
Cadmium, Total	0.645	J	mg/kg	0.911	0.050	2	11/25/25 02:47	11/28/25 07:26	EPA 3050B	1,6010D	LRS
Calcium, Total	5200		mg/kg	9.11	5.16	2	11/25/25 02:47	11/28/25 07:26	EPA 3050B	1,6010D	LRS
Chromium, Total	11.5		mg/kg	0.911	0.772	2	11/25/25 02:47	11/28/25 07:26	EPA 3050B	1,6010D	LRS
Cobalt, Total	7.16		mg/kg	1.82	0.226	2	11/25/25 02:47	11/28/25 07:26	EPA 3050B	1,6010D	LRS
Copper, Total	22.8		mg/kg	0.911	0.207	2	11/25/25 02:47	11/28/25 07:26	EPA 3050B	1,6010D	LRS
Iron, Total	15600		mg/kg	4.55	0.956	2	11/25/25 02:47	11/28/25 07:26	EPA 3050B	1,6010D	LRS
Lead, Total	44.4		mg/kg	4.55	0.217	2	11/25/25 02:47	11/28/25 07:26	EPA 3050B	1,6010D	LRS
Magnesium, Total	2880		mg/kg	9.11	1.48	2	11/25/25 02:47	11/28/25 07:26	EPA 3050B	1,6010D	LRS
Manganese, Total	440		mg/kg	0.911	0.488	2	11/25/25 02:47	11/28/25 07:26	EPA 3050B	1,6010D	LRS
Mercury, Total	ND		mg/kg	0.074	0.048	1	11/25/25 03:18	11/26/25 12:21	EPA 7471B	1,7471B	CME
Nickel, Total	16.9		mg/kg	2.28	0.736	2	11/25/25 02:47	11/28/25 07:26	EPA 3050B	1,6010D	LRS
Potassium, Total	469		mg/kg	228	46.2	2	11/25/25 02:47	11/28/25 07:26	EPA 3050B	1,6010D	LRS
Selenium, Total	ND		mg/kg	1.82	0.300	2	11/25/25 02:47	11/28/25 07:26	EPA 3050B	1,6010D	LRS
Silver, Total	ND		mg/kg	0.455	0.271	2	11/25/25 02:47	11/28/25 07:26	EPA 3050B	1,6010D	LRS
Sodium, Total	357		mg/kg	182	96.5	2	11/25/25 02:47	11/28/25 07:26	EPA 3050B	1,6010D	LRS
Thallium, Total	ND		mg/kg	1.82	0.822	2	11/25/25 02:47	11/28/25 07:26	EPA 3050B	1,6010D	LRS
Vanadium, Total	10.2		mg/kg	0.911	0.138	2	11/25/25 02:47	11/28/25 07:26	EPA 3050B	1,6010D	LRS
Zinc, Total	86.6		mg/kg	4.55	0.552	2	11/25/25 02:47	11/28/25 07:26	EPA 3050B	1,6010D	LRS

Project Name: 25K1216 **Lab Number:** L2574897 59

Project Number: 25K1216 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2574897-03 Date Collected: 11/17/25 15:50

Client ID: E-2 (0-2IN) Date Received: 11/21/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5680		mg/kg	9.46	3.07	2	11/25/25 02:47	11/28/25 07:28	EPA 3050B	1,6010D	LRS
Antimony, Total	ND		mg/kg	4.73	3.64	2	11/25/25 02:47	11/28/25 07:28	EPA 3050B	1,6010D	LRS
Arsenic, Total	4.26		mg/kg	0.946	0.409	2	11/25/25 02:47	11/28/25 07:28	EPA 3050B	1,6010D	LRS
Barium, Total	78.4		mg/kg	0.946	0.100	2	11/25/25 02:47	11/28/25 07:28	EPA 3050B	1,6010D	LRS
Beryllium, Total	0.303	J	mg/kg	0.473	0.052	2	11/25/25 02:47	11/28/25 07:28	EPA 3050B	1,6010D	LRS
Boron, Total	3.20		mg/kg	2.84	0.546	2	11/25/25 02:47	11/28/25 07:28	EPA 3050B	1,6010D	LRS
Cadmium, Total	0.230	J	mg/kg	0.946	0.052	2	11/25/25 02:47	11/28/25 07:28	EPA 3050B	1,6010D	LRS
Calcium, Total	7820		mg/kg	9.46	5.36	2	11/25/25 02:47	11/28/25 07:28	EPA 3050B	1,6010D	LRS
Chromium, Total	8.38		mg/kg	0.946	0.802	2	11/25/25 02:47	11/28/25 07:28	EPA 3050B	1,6010D	LRS
Cobalt, Total	6.16		mg/kg	1.89	0.235	2	11/25/25 02:47	11/28/25 07:28	EPA 3050B	1,6010D	LRS
Copper, Total	14.3		mg/kg	0.946	0.215	2	11/25/25 02:47	11/28/25 07:28	EPA 3050B	1,6010D	LRS
Iron, Total	13400		mg/kg	4.73	0.993	2	11/25/25 02:47	11/28/25 07:28	EPA 3050B	1,6010D	LRS
Lead, Total	16.1		mg/kg	4.73	0.225	2	11/25/25 02:47	11/28/25 07:28	EPA 3050B	1,6010D	LRS
Magnesium, Total	3260		mg/kg	9.46	1.54	2	11/25/25 02:47	11/28/25 07:28	EPA 3050B	1,6010D	LRS
Manganese, Total	500		mg/kg	0.946	0.507	2	11/25/25 02:47	11/28/25 07:28	EPA 3050B	1,6010D	LRS
Mercury, Total	ND		mg/kg	0.083	0.054	1	11/25/25 03:18	11/26/25 12:31	EPA 7471B	1,7471B	CME
Nickel, Total	13.2		mg/kg	2.36	0.764	2	11/25/25 02:47	11/28/25 07:28	EPA 3050B	1,6010D	LRS
Potassium, Total	534		mg/kg	236	48.0	2	11/25/25 02:47	11/28/25 07:28	EPA 3050B	1,6010D	LRS
Selenium, Total	ND		mg/kg	1.89	0.311	2	11/25/25 02:47	11/28/25 07:28	EPA 3050B	1,6010D	LRS
Silver, Total	ND		mg/kg	0.473	0.282	2	11/25/25 02:47	11/28/25 07:28	EPA 3050B	1,6010D	LRS
Sodium, Total	ND		mg/kg	189	100.	2	11/25/25 02:47	11/28/25 07:28	EPA 3050B	1,6010D	LRS
Thallium, Total	ND		mg/kg	1.89	0.853	2	11/25/25 02:47	11/28/25 07:28	EPA 3050B	1,6010D	LRS
Vanadium, Total	8.43		mg/kg	0.946	0.143	2	11/25/25 02:47	11/28/25 07:28	EPA 3050B	1,6010D	LRS
Zinc, Total	58.4		mg/kg	4.73	0.573	2	11/25/25 02:47	11/28/25 07:28	EPA 3050B	1,6010D	LRS

Project Name: 25K1216 **Lab Number:** L2574897

Project Number: 25K1216 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2574897-04 Date Collected: 11/17/25 15:55

Client ID: E-2 (2-12IN) Date Received: 11/21/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5060		mg/kg	8.35	2.71	2	11/25/25 02:47	11/28/25 07:46	EPA 3050B	1,6010D	LRS
Antimony, Total	ND		mg/kg	4.18	3.22	2	11/25/25 02:47	11/28/25 07:46	EPA 3050B	1,6010D	LRS
Arsenic, Total	4.30		mg/kg	0.835	0.361	2	11/25/25 02:47	11/28/25 07:46	EPA 3050B	1,6010D	LRS
Barium, Total	73.4		mg/kg	0.835	0.089	2	11/25/25 02:47	11/28/25 07:46	EPA 3050B	1,6010D	LRS
Beryllium, Total	0.281	J	mg/kg	0.418	0.046	2	11/25/25 02:47	11/28/25 07:46	EPA 3050B	1,6010D	LRS
Boron, Total	2.26	J	mg/kg	2.50	0.482	2	11/25/25 02:47	11/28/25 07:46	EPA 3050B	1,6010D	LRS
Cadmium, Total	0.202	J	mg/kg	0.835	0.046	2	11/25/25 02:47	11/28/25 07:46	EPA 3050B	1,6010D	LRS
Calcium, Total	18500		mg/kg	8.35	4.74	2	11/25/25 02:47	11/28/25 07:46	EPA 3050B	1,6010D	LRS
Chromium, Total	8.25		mg/kg	0.835	0.708	2	11/25/25 02:47	11/28/25 07:46	EPA 3050B	1,6010D	LRS
Cobalt, Total	5.46		mg/kg	1.67	0.207	2	11/25/25 02:47	11/28/25 07:46	EPA 3050B	1,6010D	LRS
Copper, Total	13.9		mg/kg	0.835	0.190	2	11/25/25 02:47	11/28/25 07:46	EPA 3050B	1,6010D	LRS
Iron, Total	12700		mg/kg	4.18	0.877	2	11/25/25 02:47	11/28/25 07:46	EPA 3050B	1,6010D	LRS
Lead, Total	18.2		mg/kg	4.18	0.199	2	11/25/25 02:47	11/28/25 07:46	EPA 3050B	1,6010D	LRS
Magnesium, Total	3250		mg/kg	8.35	1.36	2	11/25/25 02:47	11/28/25 07:46	EPA 3050B	1,6010D	LRS
Manganese, Total	502		mg/kg	0.835	0.448	2	11/25/25 02:47	11/28/25 07:46	EPA 3050B	1,6010D	LRS
Mercury, Total	ND		mg/kg	0.075	0.049	1	11/25/25 03:18	11/26/25 12:34	EPA 7471B	1,7471B	CME
Nickel, Total	11.8		mg/kg	2.09	0.675	2	11/25/25 02:47	11/28/25 07:46	EPA 3050B	1,6010D	LRS
Potassium, Total	424		mg/kg	209	42.3	2	11/25/25 02:47	11/28/25 07:46	EPA 3050B	1,6010D	LRS
Selenium, Total	ND		mg/kg	1.67	0.275	2	11/25/25 02:47	11/28/25 07:46	EPA 3050B	1,6010D	LRS
Silver, Total	ND		mg/kg	0.418	0.249	2	11/25/25 02:47	11/28/25 07:46	EPA 3050B	1,6010D	LRS
Sodium, Total	ND		mg/kg	167	88.5	2	11/25/25 02:47	11/28/25 07:46	EPA 3050B	1,6010D	LRS
Thallium, Total	ND		mg/kg	1.67	0.753	2	11/25/25 02:47	11/28/25 07:46	EPA 3050B	1,6010D	LRS
Vanadium, Total	7.69		mg/kg	0.835	0.126	2	11/25/25 02:47	11/28/25 07:46	EPA 3050B	1,6010D	LRS
Zinc, Total	49.2		mg/kg	4.18	0.506	2	11/25/25 02:47	11/28/25 07:46	EPA 3050B	1,6010D	LRS

Project Name: 25K1216 **Lab Number:** L2574897 61

Project Number: 25K1216 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2574897-05 Date Collected: 11/17/25 16:15

Client ID: E-3 (0-2IN) Date Received: 11/21/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5420		mg/kg	9.48	3.08	2	11/25/25 02:47	11/28/25 07:48	EPA 3050B	1,6010D	LRS
Antimony, Total	ND		mg/kg	4.74	3.65	2	11/25/25 02:47	11/28/25 07:48	EPA 3050B	1,6010D	LRS
Arsenic, Total	5.34		mg/kg	0.948	0.409	2	11/25/25 02:47	11/28/25 07:48	EPA 3050B	1,6010D	LRS
Barium, Total	76.9		mg/kg	0.948	0.100	2	11/25/25 02:47	11/28/25 07:48	EPA 3050B	1,6010D	LRS
Beryllium, Total	0.272	J	mg/kg	0.474	0.052	2	11/25/25 02:47	11/28/25 07:48	EPA 3050B	1,6010D	LRS
Boron, Total	3.01		mg/kg	2.84	0.547	2	11/25/25 02:47	11/28/25 07:48	EPA 3050B	1,6010D	LRS
Cadmium, Total	0.154	J	mg/kg	0.948	0.052	2	11/25/25 02:47	11/28/25 07:48	EPA 3050B	1,6010D	LRS
Calcium, Total	13200		mg/kg	9.48	5.37	2	11/25/25 02:47	11/28/25 07:48	EPA 3050B	1,6010D	LRS
Chromium, Total	9.36		mg/kg	0.948	0.804	2	11/25/25 02:47	11/28/25 07:48	EPA 3050B	1,6010D	LRS
Cobalt, Total	5.80		mg/kg	1.90	0.235	2	11/25/25 02:47	11/28/25 07:48	EPA 3050B	1,6010D	LRS
Copper, Total	14.4		mg/kg	0.948	0.215	2	11/25/25 02:47	11/28/25 07:48	EPA 3050B	1,6010D	LRS
Iron, Total	13400		mg/kg	4.74	0.995	2	11/25/25 02:47	11/28/25 07:48	EPA 3050B	1,6010D	LRS
Lead, Total	11.6		mg/kg	4.74	0.226	2	11/25/25 02:47	11/28/25 07:48	EPA 3050B	1,6010D	LRS
Magnesium, Total	3780		mg/kg	9.48	1.54	2	11/25/25 02:47	11/28/25 07:48	EPA 3050B	1,6010D	LRS
Manganese, Total	521		mg/kg	0.948	0.508	2	11/25/25 02:47	11/28/25 07:48	EPA 3050B	1,6010D	LRS
Mercury, Total	ND		mg/kg	0.083	0.054	1	11/25/25 03:18	11/26/25 12:37	EPA 7471B	1,7471B	CME
Nickel, Total	13.2		mg/kg	2.37	0.766	2	11/25/25 02:47	11/28/25 07:48	EPA 3050B	1,6010D	LRS
Potassium, Total	538		mg/kg	237	48.0	2	11/25/25 02:47	11/28/25 07:48	EPA 3050B	1,6010D	LRS
Selenium, Total	ND		mg/kg	1.90	0.312	2	11/25/25 02:47	11/28/25 07:48	EPA 3050B	1,6010D	LRS
Silver, Total	ND		mg/kg	0.474	0.282	2	11/25/25 02:47	11/28/25 07:48	EPA 3050B	1,6010D	LRS
Sodium, Total	ND		mg/kg	190	100.	2	11/25/25 02:47	11/28/25 07:48	EPA 3050B	1,6010D	LRS
Thallium, Total	ND		mg/kg	1.90	0.855	2	11/25/25 02:47	11/28/25 07:48	EPA 3050B	1,6010D	LRS
Vanadium, Total	8.28		mg/kg	0.948	0.143	2	11/25/25 02:47	11/28/25 07:48	EPA 3050B	1,6010D	LRS
Zinc, Total	58.4		mg/kg	4.74	0.574	2	11/25/25 02:47	11/28/25 07:48	EPA 3050B	1,6010D	LRS

Project Name: 25K1216 **Lab Number:** L2574897 62

Project Number: 25K1216 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2574897-06 Date Collected: 11/17/25 16:20

Client ID: E-3 (2-12IN) Date Received: 11/21/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4950		mg/kg	8.69	2.82	2	11/25/25 02:47	11/28/25 07:50	EPA 3050B	1,6010D	LRS
Antimony, Total	ND		mg/kg	4.35	3.35	2	11/25/25 02:47	11/28/25 07:50	EPA 3050B	1,6010D	LRS
Arsenic, Total	3.81		mg/kg	0.869	0.376	2	11/25/25 02:47	11/28/25 07:50	EPA 3050B	1,6010D	LRS
Barium, Total	57.2		mg/kg	0.869	0.092	2	11/25/25 02:47	11/28/25 07:50	EPA 3050B	1,6010D	LRS
Beryllium, Total	0.242	J	mg/kg	0.435	0.048	2	11/25/25 02:47	11/28/25 07:50	EPA 3050B	1,6010D	LRS
Boron, Total	1.97	J	mg/kg	2.61	0.502	2	11/25/25 02:47	11/28/25 07:50	EPA 3050B	1,6010D	LRS
Cadmium, Total	0.141	J	mg/kg	0.869	0.048	2	11/25/25 02:47	11/28/25 07:50	EPA 3050B	1,6010D	LRS
Calcium, Total	17600		mg/kg	8.69	4.93	2	11/25/25 02:47	11/28/25 07:50	EPA 3050B	1,6010D	LRS
Chromium, Total	8.91		mg/kg	0.869	0.737	2	11/25/25 02:47	11/28/25 07:50	EPA 3050B	1,6010D	LRS
Cobalt, Total	5.02		mg/kg	1.74	0.216	2	11/25/25 02:47	11/28/25 07:50	EPA 3050B	1,6010D	LRS
Copper, Total	14.7		mg/kg	0.869	0.197	2	11/25/25 02:47	11/28/25 07:50	EPA 3050B	1,6010D	LRS
Iron, Total	12100		mg/kg	4.35	0.913	2	11/25/25 02:47	11/28/25 07:50	EPA 3050B	1,6010D	LRS
Lead, Total	11.0		mg/kg	4.35	0.207	2	11/25/25 02:47	11/28/25 07:50	EPA 3050B	1,6010D	LRS
Magnesium, Total	4980		mg/kg	8.69	1.42	2	11/25/25 02:47	11/28/25 07:50	EPA 3050B	1,6010D	LRS
Manganese, Total	444		mg/kg	0.869	0.466	2	11/25/25 02:47	11/28/25 07:50	EPA 3050B	1,6010D	LRS
Mercury, Total	ND		mg/kg	0.078	0.051	1	11/25/25 03:18	11/26/25 12:41	EPA 7471B	1,7471B	CME
Nickel, Total	11.7		mg/kg	2.17	0.702	2	11/25/25 02:47	11/28/25 07:50	EPA 3050B	1,6010D	LRS
Potassium, Total	393		mg/kg	217	44.1	2	11/25/25 02:47	11/28/25 07:50	EPA 3050B	1,6010D	LRS
Selenium, Total	ND		mg/kg	1.74	0.286	2	11/25/25 02:47	11/28/25 07:50	EPA 3050B	1,6010D	LRS
Silver, Total	ND		mg/kg	0.435	0.259	2	11/25/25 02:47	11/28/25 07:50	EPA 3050B	1,6010D	LRS
Sodium, Total	ND		mg/kg	174	92.1	2	11/25/25 02:47	11/28/25 07:50	EPA 3050B	1,6010D	LRS
Thallium, Total	ND		mg/kg	1.74	0.784	2	11/25/25 02:47	11/28/25 07:50	EPA 3050B	1,6010D	LRS
Vanadium, Total	8.71		mg/kg	0.869	0.131	2	11/25/25 02:47	11/28/25 07:50	EPA 3050B	1,6010D	LRS
Zinc, Total	51.0		mg/kg	4.35	0.527	2	11/25/25 02:47	11/28/25 07:50	EPA 3050B	1,6010D	LRS

Project Name: 25K1216 **Lab Number:** L2574897

Project Number: 25K1216 **Report Date:** 12/01/25

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG2146092-1										
Aluminum, Total	ND		mg/kg	4.00	1.30	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Antimony, Total	ND		mg/kg	2.00	1.54	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Arsenic, Total	ND		mg/kg	0.400	0.173	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Barium, Total	ND		mg/kg	0.400	0.042	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Beryllium, Total	ND		mg/kg	0.200	0.022	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Boron, Total	ND		mg/kg	1.20	0.231	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Cadmium, Total	ND		mg/kg	0.400	0.022	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Calcium, Total	ND		mg/kg	4.00	2.27	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Chromium, Total	ND		mg/kg	0.400	0.339	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Cobalt, Total	ND		mg/kg	0.800	0.099	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Copper, Total	ND		mg/kg	0.400	0.091	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Iron, Total	0.608	J	mg/kg	2.00	0.420	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Lead, Total	ND		mg/kg	2.00	0.095	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Magnesium, Total	ND		mg/kg	4.00	0.652	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Manganese, Total	ND		mg/kg	0.400	0.214	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Nickel, Total	ND		mg/kg	1.00	0.323	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Potassium, Total	ND		mg/kg	100	20.3	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Selenium, Total	ND		mg/kg	0.800	0.132	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Silver, Total	ND		mg/kg	0.200	0.119	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Sodium, Total	ND		mg/kg	80.0	42.4	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Thallium, Total	ND		mg/kg	0.800	0.361	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Vanadium, Total	ND		mg/kg	0.400	0.060	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS
Zinc, Total	ND		mg/kg	2.00	0.242	1	11/25/25 02:47	11/28/25 07:19	1,6010D	LRS

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG2146094-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	11/25/25 03:18	11/26/25 11:51	1,7471B	CME

Project Name: 25K1216 **Lab Number:** L2574897

Project Number: 25K1216 **Report Date:** 12/01/25

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 25K1216
Project Number: 25K1216

Lab Number: L2574897
Report Date: 12/01/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG2146092-2								
Aluminum, Total	106		-		80-120	-		20
Antimony, Total	104		-		80-120	-		20
Arsenic, Total	102		-		80-120	-		20
Barium, Total	105		-		80-120	-		20
Beryllium, Total	106		-		80-120	-		20
Boron, Total	100		-		80-120	-		20
Cadmium, Total	104		-		80-120	-		20
Calcium, Total	102		-		80-120	-		20
Chromium, Total	106		-		80-120	-		20
Cobalt, Total	104		-		80-120	-		20
Copper, Total	106		-		80-120	-		20
Iron, Total	106		-		80-120	-		20
Lead, Total	102		-		80-120	-		20
Magnesium, Total	101		-		80-120	-		20
Manganese, Total	105		-		80-120	-		20
Nickel, Total	105		-		80-120	-		20
Potassium, Total	103		-		80-120	-		20
Selenium, Total	101		-		80-120	-		20
Silver, Total	103		-		80-120	-		20
Sodium, Total	105		-		80-120	-		20
Thallium, Total	102		-		80-120	-		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 25K1216
Project Number: 25K1216

Lab Number: L2574897
Report Date: 12/01/25

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG2146092-2					
Vanadium, Total	108	-	80-120	-	20
Zinc, Total	105	-	80-120	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG2146094-2					
Mercury, Total	96	-	80-120	-	20

INORGANICS
&
MISCELLANEOUS

Project Name: 25K1216
Project Number: 25K1216

Lab Number: L2574897
Report Date: 12/01/25

SAMPLE RESULTS

Lab ID: L2574897-01
Client ID: D-3 (0-2IN)
Sample Location: Not Specified

Date Collected: 11/17/25 15:20
Date Received: 11/21/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.0		%	0.100	NA	1	-		121,2540G	

Project Name: 25K1216
Project Number: 25K1216

Lab Number: L2574897
Report Date: 12/01/25

SAMPLE RESULTS

Lab ID: L2574897-02
Client ID: D-3 (2-12IN)
Sample Location: Not Specified

Date Collected: 11/17/25 15:25
Date Received: 11/21/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.0		%	0.100	NA	1	-		121,2540G	

Project Name: 25K1216
Project Number: 25K1216

Lab Number: L2574897
Report Date: 12/01/25

SAMPLE RESULTS

Lab ID: L2574897-03
Client ID: E-2 (0-2IN)
Sample Location: Not Specified

Date Collected: 11/17/25 15:50
Date Received: 11/21/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.0		%	0.100	NA	1	-		121,2540G	

Project Name: 25K1216
Project Number: 25K1216

Lab Number: L2574897
Report Date: 12/01/25

SAMPLE RESULTS

Lab ID: L2574897-04
Client ID: E-2 (2-12IN)
Sample Location: Not Specified

Sample Depth:
Matrix: Soil

Date Collected: 11/17/25 15:55
Date Received: 11/21/25
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.2		%	0.100	NA	1	-		121,2540G	

Project Name: 25K1216
Project Number: 25K1216

Lab Number: L2574897
Report Date: 12/01/25

SAMPLE RESULTS

Lab ID: L2574897-05
Client ID: E-3 (0-2IN)
Sample Location: Not Specified

Date Collected: 11/17/25 16:15
Date Received: 11/21/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.3		%	0.100	NA	1	-		121,2540G	

Project Name: 25K1216
Project Number: 25K1216

Lab Number: L2574897
Report Date: 12/01/25

SAMPLE RESULTS

Lab ID: L2574897-06
Client ID: E-3 (2-12IN)
Sample Location: Not Specified

Sample Depth:
Matrix: Soil

Date Collected: 11/17/25 16:20
Date Received: 11/21/25
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.3		%	0.100	NA	1	-		121,2540G	

Project Name: 25K1216
Project Number: 25K1216

Lab Number: L2574897
Report Date: 12/01/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2574897-01A	Metals Only-Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),B-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),SB-TI(180),PB-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MN-TI(180),MG-TI(180),HG-T(28),NA-TI(180),CD-TI(180),CA-TI(180),K-TI(180)
L2574897-02A	Metals Only-Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),B-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MN-TI(180),MG-TI(180),HG-T(28),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2574897-03A	Metals Only-Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),B-TI(180),CR-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2574897-04A	Metals Only-Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),B-TI(180),TL-TI(180),AL-TI(180),ZN-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CD-TI(180),CA-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: 25K1216
Project Number: 25K1216

Lab Number: L2574897
Report Date: 12/01/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2574897-05A	Metals Only-Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),B-TI(180),CR-TI(180),NI-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),CU-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MG-TI(180),MN-TI(180),HG-T(28),FE-TI(180),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L2574897-06A	Metals Only-Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),B-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),CU-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: 25K1216 **Lab Number:** L2574897

Project Number: 25K1216 **Report Date:** 12/01/25

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	25K1216	**Lab Number:**	L2574897
Project Number:	25K1216	**Report Date:**	12/01/25

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were

Report Format: DU Report with 'J' Qualifiers

Project Name: 25K1216 **Lab Number:** L2574897

Project Number: 25K1216 **Report Date:** 12/01/25

Data Qualifiers

estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: 25K1216 **Lab Number:** L2574897
Project Number: 25K1216 **Report Date:** 12/01/25

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
MADEP-APH.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D.**

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, SM4500CL-G, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT.**

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn**. EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn**. EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Ca, Cr, Cu, Fe, Pb, Mg, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1: Hg. **EPA 245.7:** Hg.
SM2340B

Certification IDs:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
CT PH-0826, IL 200077, IN C-MA-03, KY kY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
MA M-MA00030, CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 85084, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
ANAB/DoD L2474, LA 245052, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.

SUBCONTRACT CHAIN OF CUSTODY

Pace New England

25K1216

SENDING LABORATORY:

Pace New England
39 Spruce Street
East Longmeadow, MA 01028
Phone: 413.525.2332
Fax: 413.525.6405
Project Manager: Raymond F. McCarthy

RECEIVING LABORATORY:

Pace Analytical Services - Westborough, MA
8 Walkup Drive
Westborough, MA 01581
Phone: (508) 898-9220
Fax: (508) 898-9193

Project Location: New York

Analysis	Sample Name	Due	Expires	Comments
Sample ID: 25K1216-01 D-3 (0-2in)		**Soil**	**Sampled: 11/17/25 15:20**	**CAT B**
SG-TAL 23 Metals 6010 (incl. Hg) Total		12/01/25 14:00	11/24/25 15:20	
S-Metals Digestion		12/01/25 14:00	12/01/25 15:20	
S-Boron 6010 Total		12/01/25 14:00	05/16/26 15:20	
Containers Supplied				
2 oz amber glass jar (B)				
Sample ID: 25K1216-02 D-3 (2-12in)		**Soil**	**Sampled: 11/17/25 15:25**	**CAT B**
S-Boron 6010 Total		12/01/25 14:00	05/16/26 15:25	
SG-TAL 23 Metals 6010 (incl. Hg) Total		12/01/25 14:00	11/24/25 15:25	
S-Metals Digestion		12/01/25 14:00	12/01/25 15:25	
Containers Supplied				
2 oz amber glass jar (B)				
Sample ID: 25K1216-03 E-2 (0-2in)		**Soil**	**Sampled: 11/17/25 15:50**	**CAT B**
SG-TAL 23 Metals 6010 (incl. Hg) Total		12/01/25 14:00	11/24/25 15:50	
S-Metals Digestion		12/01/25 14:00	12/01/25 15:50	
S-Boron 6010 Total		12/01/25 14:00	05/16/26 15:50	
Containers Supplied				
2 oz amber glass jar (B)				
Sample ID: 25K1216-04 E-2 (2-12in)		**Soil**	**Sampled: 11/17/25 15:55**	**CAT B**
S-Metals Digestion		12/01/25 14:00	12/01/25 15:55	
S-Boron 6010 Total		12/01/25 14:00	05/16/26 15:55	
SG-TAL 23 Metals 6010 (incl. Hg) Total		12/01/25 14:00	11/24/25 15:55	
Containers Supplied				
2 oz amber glass jar (B)				

Relinquished By	Date	Received By	Date	
Relinquished By	Date	Received By	Date	11-21 25-1845

SUBCONTRACT CHAIN OF CUSTODY

Pace New England

25K1216

Analysis	Sample Name	Due	Expires	Comments
Sample ID: 25K1216-05 E-3 (0-2in)		**Soil**	**Sampled: 11/17/25 16:15**	**CAT B**
SG-LAL 23 Metals 6010 (incl. Hg) Total		12/03/25 14:00	11/24/25 16:15	
S-Metals Digestion		12/04/25 13:00	12/05/25 16:15	
S-Boron 6010 Total		12/01/25 14:00	05/16/26 16:15	
Containers Supplied				
2 oz amber glass jar (B)				
Sample ID: 25K1216-06 E-3 (2-12in)		**Soil**	**Sampled: 11/17/25 16:20**	**CAT B**
S-Boron 6010 Total		12/01/25 14:00	05/16/26 16:20	
SG-LAL 23 Metals 6010 (incl. Hg) Total		12/01/25 14:00	11/24/25 16:20	
S-Metals Digestion		12/01/25 13:00	12/01/25 16:20	
Containers Supplied				
2 oz amber glass jar (B)				

Released By	Date	Received By	Date	
Released By	Date	Received By	Date	11-21/25-1845

E-st Longmeadow, MA 01028 — CHAIN OF CUSTODY RECORDS (New York) — Page 5 of 6

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name: NYS DEC — Consultant:

Consultant Address:

Consultant Phone:

Client Project Name:

Project Location:

Client Number:

State Spill Number:

Project Manager:

Pace Analytical Quote Name/Number:

Invoice Recipient:

Sampled By:

Requested Turnaround Time

DEC Standard 30-calendar day ☐

Due Date: FIVE-DAY

Rush (Prior Approval Required)

1-Day ☐ 2-Day ☐ 3-Day ☐

4-Day ☐ 5-Day ☒ 10-Day ☐

Data Delivery

Format: PDF ☑ EXCEL ☑

Other: EQuIS EDD / NYSDEC EQuIS EDD

CLP Like Level 4 Data Pkg Required: ☐

Email To:

Fax To #:

ANALYSIS REQUESTED (Circle Requested Analyses/Reporting Limits)

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	B260: BTEX, TCL + Oxygenates / CP-51	8270: SVOC / CP-51	1,4-Dioxane SIM	8082 PCBs	8081 Pesticide	8151 Herbicide	TAL Total Metals	PFAS 1633	PFAS 537 ID					
1					X				-					-							
2					X				-					-		-					
3					X				-					-							
4					X				-					-							
5					X				-					-		-					
6					X				-					-		-					

# of Containers

[2] Preservation Code

[3] Container Code

Dissolved Metals Samples

Field Filtered

Lab to Filter

Orthophosphate Samples

Field Filtered

Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments: Free

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
		Pace Courier 7-Day (PACE)	11/19/25 11:25
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Pace Courier 7-Day (PACE)	11/19/25 11:25	Buffalo Service Center	11/19/25 11:25
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time

Program & Regulatory Information

AWQ STDS ☐ NY TOGS ☐

NYC Sewer Discharge ☐ NY CP-51 ☐

Part 360 GW (Landfill) ☐

NY Restricted Use ☐

NY Unrestricted Use ☒

NY Part 375 ☐

Other:

Project Entity

Government ☒ Municipality ☐ NYPA ☐ WRTA ☐

Federal ☐ ELAP ☐ School ☐

City ☐ Brownfield ☐ MBTA ☐

Deliverables

Enhanced Data Package ☐

NYSDEC EQuIS EDD ☒

EQuIS (Standard) EDD ☐

NY Regulatory EDD ☐

NY Regs Hits-Only EDD ☐

Other: ☐

Other

Chromatogram ☐

AIHA-LAP,LLC ☐

PCB ONLY

Soxhlet ☐

Non Soxhlet ☐

Sample Delivery Group Summary

Pace Job Number : L2574897

Account Name : Pace New England
Project Number : 25K1216
Project Name : 25K1216

Received : 21-NOV-2025
Reviewer : Julie Convery

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	4.3	

Condition Information

1) All samples on COC received?	**YES**
2) Extra samples received?	**NO**
3) Are there any sample container discrepancies?	**NO**
4) Are there any discrepancies between COC & sample labels?	**NO**
5) Are samples in appropriate containers for requested analysis?	**YES**
6) Are samples properly preserved for requested analysis?	**YES**
7) Are samples within holding time for requested analysis?	**YES**
8) All sampling equipment returned?	**NA**

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	**NA**

SVOA

SAMPLE DATA

1 - FORM I
ANALYSIS DATA SHEET

D-3 (0-2in)

Laboratory:	Pace New England			Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1216-01	File ID:	B25S329008.D
Sampled:	11/17/25 15:20	Prepared:	11/21/25 07:21	Analyzed:	11/25/25 16:12
Solids:	82.00	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.07 g / 1 mL				
Batch:	B417963	Sequence:	S129060	Calibration:	2500833
Instrument:	GCMSSV2				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol		0.058	0.82	
1912-24-9	Atrazine		0.057	0.82	V-06
100-52-7	Benzaldehyde		0.057	0.41	V-34, MS-09
92-52-4	Biphenyl		0.046	0.082	
105-60-2	Caprolactam		0.071	0.41	
83-32-9	Acenaphthene	0.015	0.0045	0.040	J
208-96-8	Acenaphthylene	0.015	0.0051	0.040	J
98-86-2	Acetophenone		0.043	0.41	
62-53-3	Aniline		0.078	0.41	MS-09, V-34
120-12-7	Anthracene	0.071	0.0046	0.040	
56-55-3	Benzo(a)anthracene	0.48	0.0063	0.040	
50-32-8	Benzo(a)pyrene	0.62	0.014	0.040	
205-99-2	Benzo(b)fluoranthene	0.86	0.010	0.040	
191-24-2	Benzo(g,h,i)perylene	0.54	0.016	0.040	
207-08-9	Benzo(k)fluoranthene	0.31	0.0083	0.040	
111-91-1	Bis(2-chloroethoxy)methane		0.042	0.41	
111-44-4	Bis(2-chloroethyl)ether		0.055	0.41	
108-60-1	2,2'-oxybis(1-Chloropropane)		0.17	0.41	
117-81-7	Bis(2-Ethylhexyl)phthalate	0.099	0.056	0.41	V-06, J
101-55-3	4-Bromophenylphenylether		0.036	0.41	
85-68-7	Butylbenzylphthalate	0.050	0.047	0.41	J
86-74-8	Carbazole	0.059	0.043	0.21	J
106-47-8	4-Chloroaniline		0.066	0.80	MS-09
59-50-7	4-Chloro-3-methylphenol		0.043	0.80	
91-58-7	2-Chloronaphthalene		0.036	0.41	
95-57-8	2-Chlorophenol		0.036	0.41	
7005-72-3	4-Chlorophenylphenylether		0.038	0.41	
218-01-9	Chrysene	0.60	0.0052	0.040	
53-70-3	Dibenz(a,h)anthracene	0.10	0.018	0.040	

1 - FORM I
ANALYSIS DATA SHEET

D-3 (0-2in)

Laboratory:	Pace New England			Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1216-01	File ID:	B25S329008.D
Sampled:	11/17/25 15:20	Prepared:	11/21/25 07:21	Analyzed:	11/25/25 16:12
Solids:	82.00	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.07 g / 1 mL				
Batch:	B417963	Sequence:	S129060	Calibration:	2500833	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
132-64-9	Dibenzofuran		0.040	0.41	
84-74-2	Di-n-butylphthalate		0.16	0.41	
91-94-1	3,3-Dichlorobenzidine		0.074	0.21	MS-09, R-06
120-83-2	2,4-Dichlorophenol		0.039	0.41	
84-66-2	Diethylphthalate		0.040	0.41	
105-67-9	2,4-Dimethylphenol		0.085	0.41	
131-11-3	Dimethylphthalate		0.037	0.41	
534-52-1	4,6-Dinitro-2-methylphenol		0.34	0.41	
51-28-5	2,4-Dinitrophenol		0.39	0.80	V-04, V-06
121-14-2	2,4-Dinitrotoluene		0.098	0.41	
606-20-2	2,6-Dinitrotoluene		0.052	0.41	
117-84-0	Di-n-octylphthalate		0.061	0.41	V-06
206-44-0	Fluoranthene	1.3	0.0057	0.040	
86-73-7	Fluorene	0.019	0.0049	0.040	J
118-74-1	Hexachlorobenzene		0.042	0.41	
87-68-3	Hexachlorobutadiene		0.042	0.41	
77-47-4	Hexachlorocyclopentadiene		0.21	0.41	MS-09, R-06
67-72-1	Hexachloroethane		0.037	0.41	MS-09
193-39-5	Indeno(1,2,3-cd)pyrene	0.56	0.017	0.040	
78-59-1	Isophorone		0.044	0.41	
90-12-0	1-Methylnaphthalene		0.0051	0.040	
91-57-6	2-Methylnaphthalene		0.0046	0.040	MS-09
95-48-7	2-Methylphenol		0.052	0.41	
108-39-4/106-4	3/4-Methylphenol		0.068	0.41	
91-20-3	Naphthalene	0.0093	0.0058	0.040	J
88-74-4	2-Nitroaniline		0.063	0.41	
99-09-2	3-Nitroaniline		0.054	0.41	
100-01-6	4-Nitroaniline		0.058	0.41	MS-09
98-95-3	Nitrobenzene		0.046	0.41	

1 - FORM I
ANALYSIS DATA SHEET

D-3 (0-2in)

Laboratory:	Pace New England			Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1216-01	File ID:	B25S329008.D
Sampled:	11/17/25 15:20	Prepared:	11/21/25 07:21	Analyzed:	11/25/25 16:12
Solids:	82.00	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.07 g / 1 mL				
Batch:	B417963	Sequence:	S129060	Calibration:	2500833	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
88-75-5	2-Nitrophenol		0.042	0.41	
100-02-7	4-Nitrophenol		0.16	0.80	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.054	0.41	
621-64-7	N-Nitrosodi-n-propylamine		0.051	0.41	
87-86-5	Pentachlorophenol		0.053	0.41	MS-09, R-06
85-01-8	Phenanthrene	0.45	0.0041	0.040	
108-95-2	Phenol		0.039	0.41	
129-00-0	Pyrene	0.89	0.0069	0.040	
110-86-1	Pyridine		0.052	0.41	MS-09
95-94-3	1,2,4,5-Tetrachlorobenzene		0.040	0.41	
95-95-4	2,4,5-Trichlorophenol		0.042	0.41	
88-06-2	2,4,6-Trichlorophenol		0.036	0.41	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329008.D
Acq On : 25 Nov 2025 4:12 pm
Operator : BGL
Sample : 25K1216-01 Inst : GCMSSV2
Misc :
ALS Vial : 8 Sample Multiplier: 1

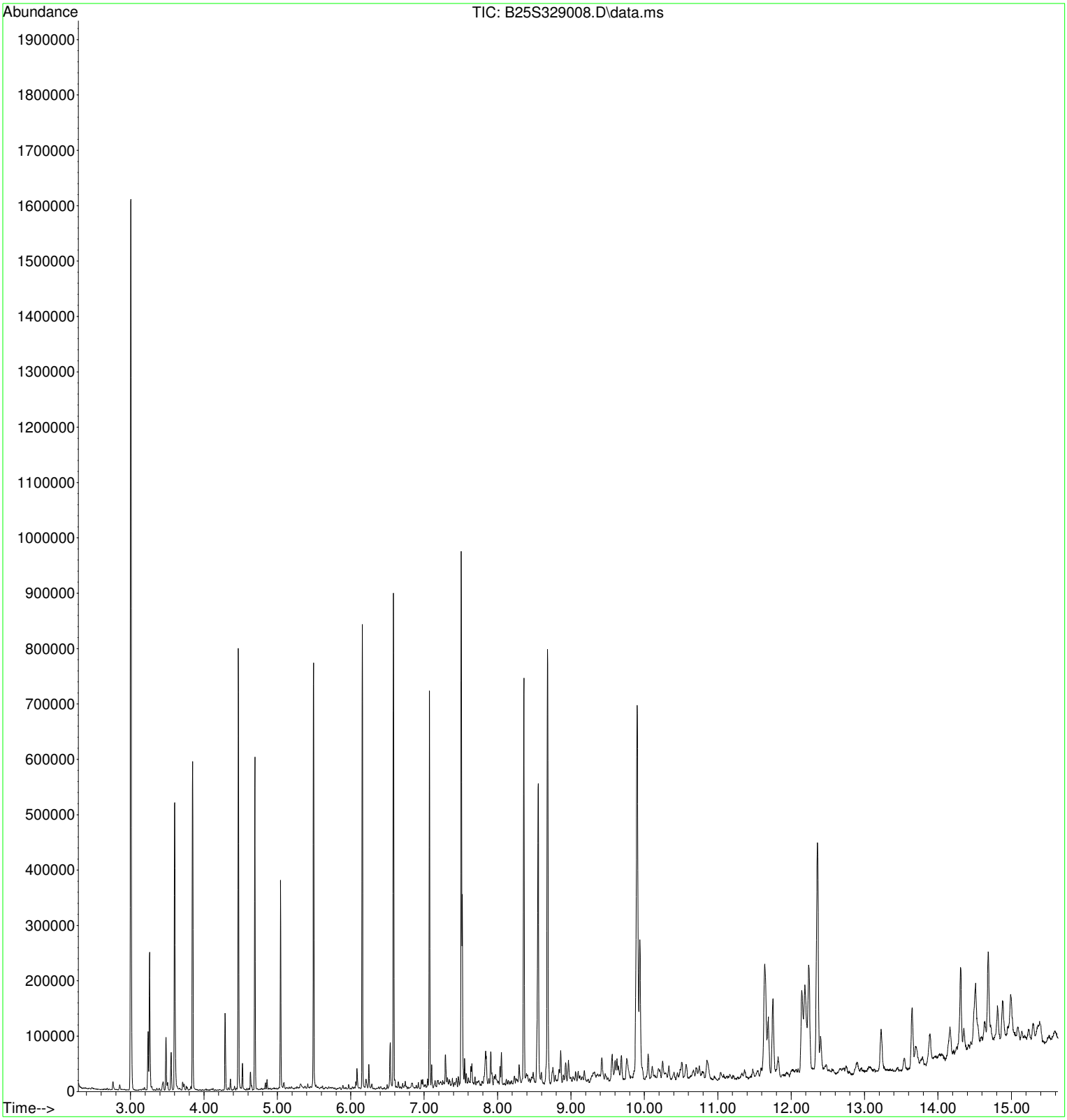
Quant Time: Nov 25 16:28:05 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

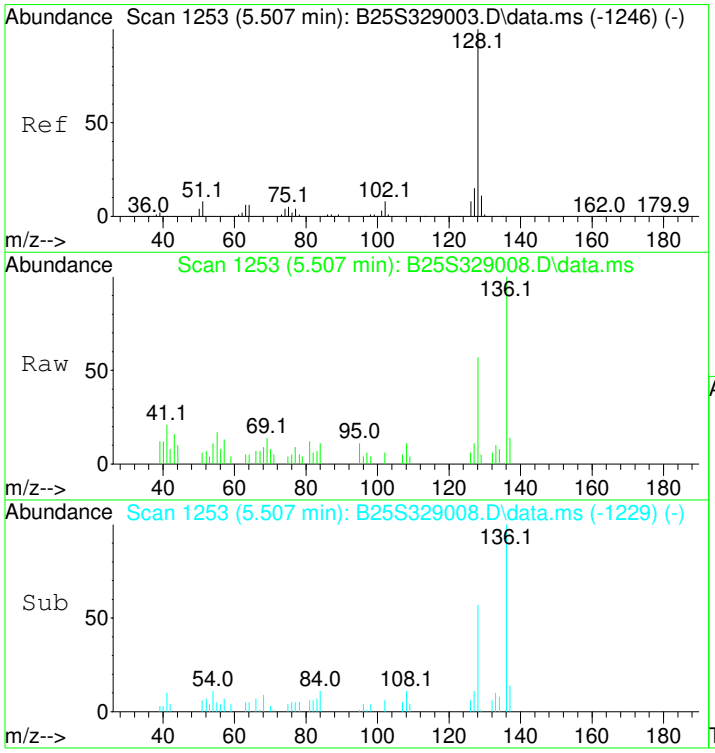
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.694	152	66620	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	5.494	136	246924	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	6.582	164	131162	40.00	ug/ml	-0.01
58) PHENANTHRENE-D10	7.505	188	234956	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.902	240	246470	40.00	ug/ml	-0.01
80) PERYLENE-D12	12.360	264	246883	40.00	ug/ml	0.00
88) 1,4-Dichlorobenzene-D4...	4.694	152	66620	40.00	ug/ml	0.00
92) NAPHTHALENE-d8 (2)	5.494	136	246924	40.00	ug/ml	0.00
95) ACENAPHTHENE-D10 (2)	6.582	164	131162	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	3.846	112	128746	69.17	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 34.59%			
3) Phenol-d6	4.468	99	209778	68.35	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 34.17%			
20) Nitrobenzene-d5	5.044	82	84773	34.50	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 34.50%			
36) 2-Fluorobiphenyl	6.158	172	174690	40.34	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 40.34%			
37) 2,4,6-Tribromophenol	7.073	330	53847	92.44	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 46.22%			
72) p-Terphenyl-d14	8.680	244	221463	43.39	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 43.39%			
Target Compounds						Qvalue
29) Naphthalene	5.507	128	1585	0.23	ug/ml	91
47) Acenaphthylene	6.497	152	2242	0.36	ug/ml	94
49) Acenaphthene	6.600	154	1559	0.37	ug/ml	84
52) Dibenzofuran	6.708	168	1376	0.25	ug/ml	94
56) Flourene	6.921	166	2190	0.47	ug/ml	99
66) Phenanthrene	7.521	178	81623	11.12	ug/ml	99
67) Anthracene	7.551	178	12937	1.76	ug/ml	98
68) Carbazole	7.652	167	9878	1.45	ug/ml	98
70) Flouranthene	8.359	202	235551	32.47	ug/ml	100
74) Pyrene	8.554	202	199412	22.06	ug/ml	96
75) Butylbenzyl phthalate	9.184	149	4048	1.23	ug/ml	89
77) Benzo(a)anthracene	9.889	228	99019	11.91	ug/ml	96
78) Chrysene	9.938	228	120658	14.68	ug/ml	98
79) Bis(2-ethylhexyl)phtha...	9.956	149	9223	2.44	ug/ml	98
82) Benzo(b)fluoranthene	11.640	252	160116	21.14	ug/ml	97
83) Benzo(k)fluoranthene	11.689	252	57112	7.60	ug/ml	94
84) Benzo(a)pyrene	12.242	252	107603	15.33	ug/ml	92
85) Indeno(1,2,3-cd)pyrene	14.309	276	86859	13.90	ug/ml	95
86) Dibenz(a,h)anthracene	14.353	278	16239	2.47	ug/ml	83
87) Benzo(g,h,i)perylene	14.685	276	92803	13.39	ug/ml	95

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

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329008.D
Acq On : 25 Nov 2025 4:12 pm
Operator : BGL
Sample : 25K1216-01 Inst : GCMSSV2
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 25 16:28:05 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

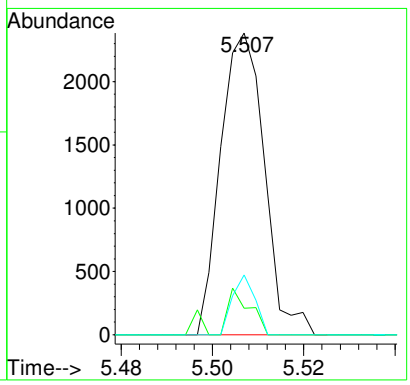


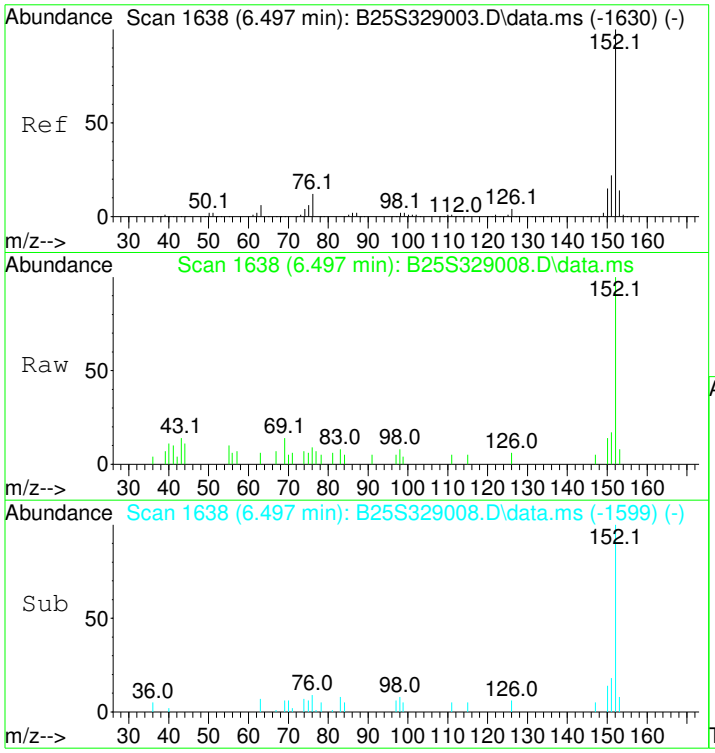


#29
Naphthalene
Concen: 0.23 ug/ml
RT: 5.507 min Scan# 1253
Delta R.T. -0.010 min
Lab File: B25S329008.D
Acq: 25 Nov 2025 4:12 pm

Tgt Ion:128 Resp: 1585

Ion	Ratio	Lower	Upper
128	100		
129	7.8	0.0	31.1
127	10.3	0.0	34.2

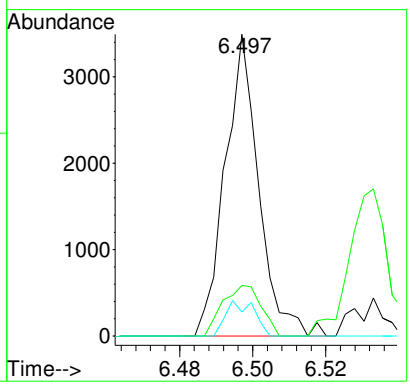


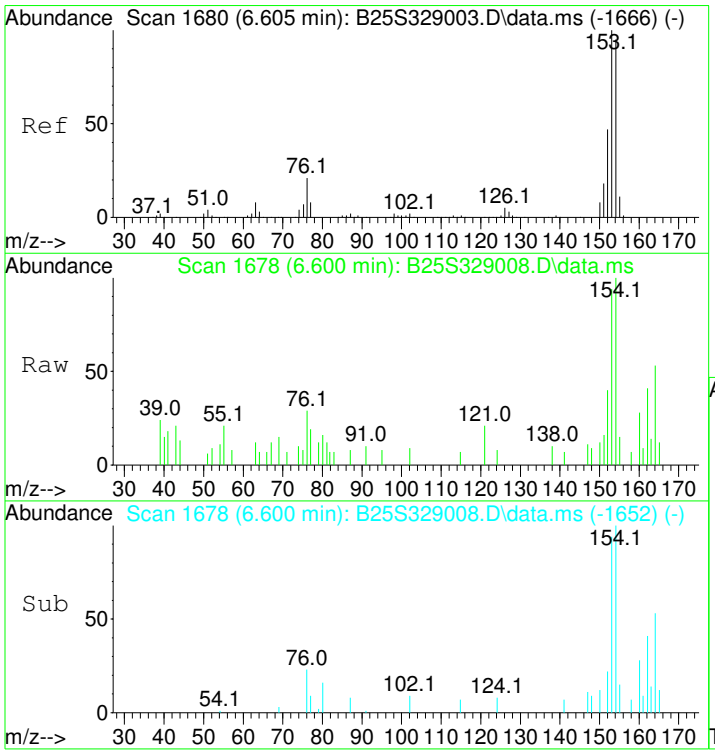


#47
Acenaphthylene
Concen: 0.36 ug/ml
RT: 6.497 min Scan# 1638
Delta R.T. -0.008 min
Lab File: B25S329008.D
Acq: 25 Nov 2025 4:12 pm

Tgt Ion:152 Resp: 2242

Ion	Ratio	Lower	Upper
152	100		
151	19.2	1.0	41.0
153	9.8	0.0	33.1

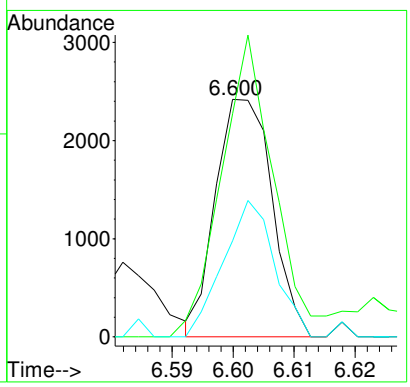


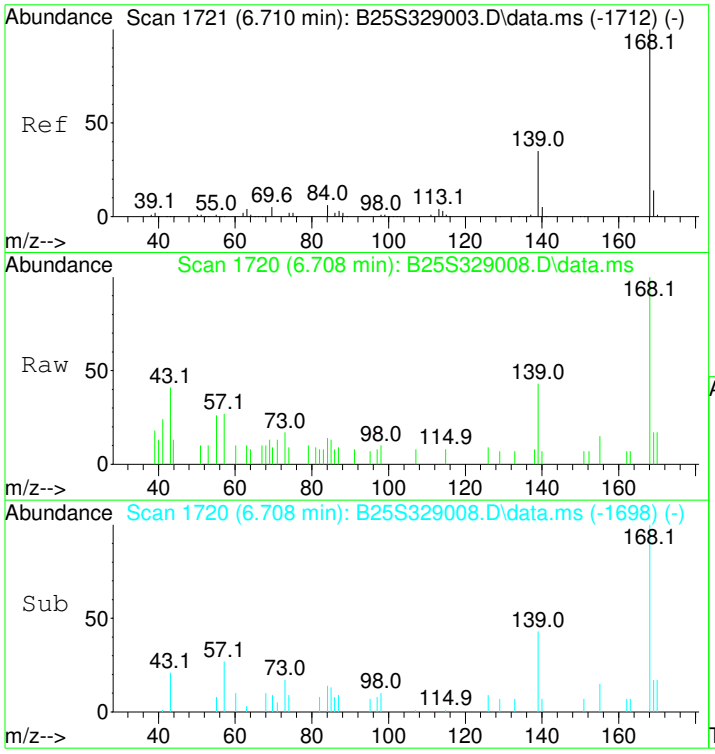


#49
Acenaphthene
Concen: 0.37 ug/ml
RT: 6.600 min Scan# 1678
Delta R.T. -0.013 min
Lab File: B25S329008.D
Acq: 25 Nov 2025 4:12 pm

Tgt Ion:154 Resp: 1559

Ion	Ratio	Lower	Upper
154	100		
153	117.6	77.8	117.8
152	52.1	28.0	68.0

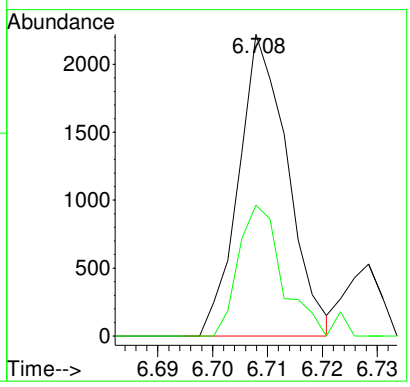


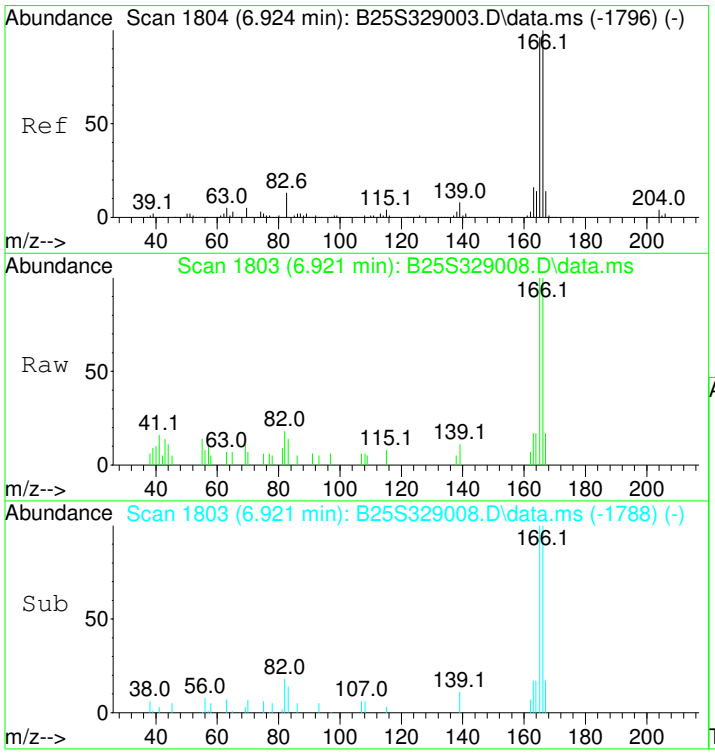


#52
Dibenzofuran
Concen: 0.25 ug/ml
RT: 6.708 min Scan# 1720
Delta R.T. -0.010 min
Lab File: B25S329008.D
Acq: 25 Nov 2025 4:12 pm

Tgt Ion:168 Resp: 1376

Ion	Ratio	Lower	Upper
168	100		
139	40.6	16.8	56.8

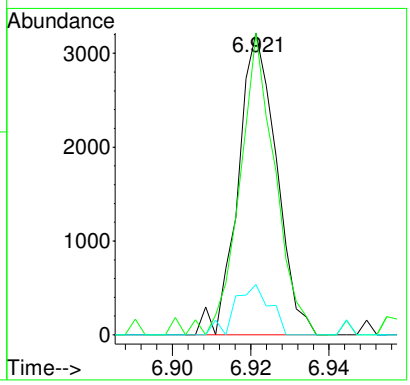


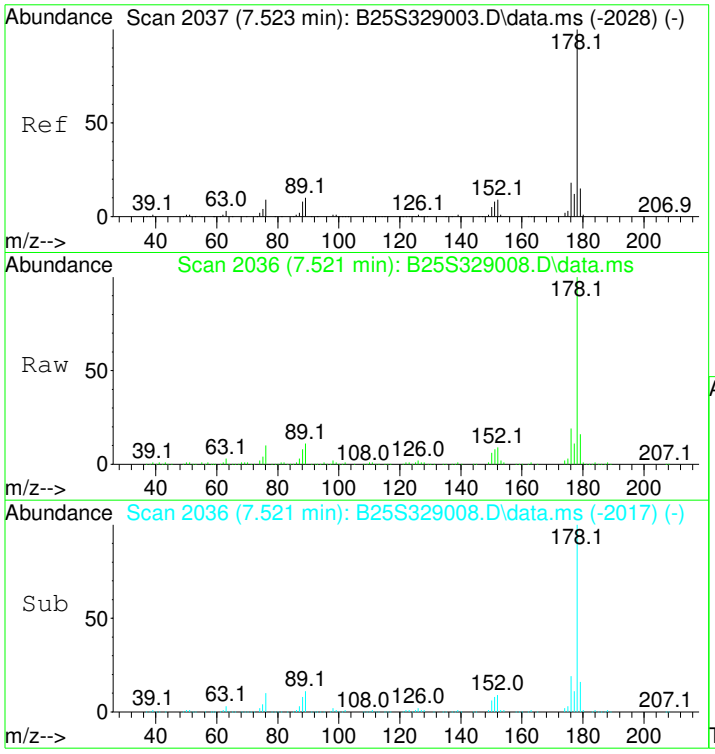


#56
Flourene
Concen: 0.47 ug/ml
RT: 6.921 min Scan# 1803
Delta R.T. -0.010 min
Lab File: B25S329008.D
Acq: 25 Nov 2025 4:12 pm

Tgt Ion:166 Resp: 2190

Ion	Ratio	Lower	Upper
166	100		
165	91.9	71.4	111.4
167	15.2	0.0	33.6

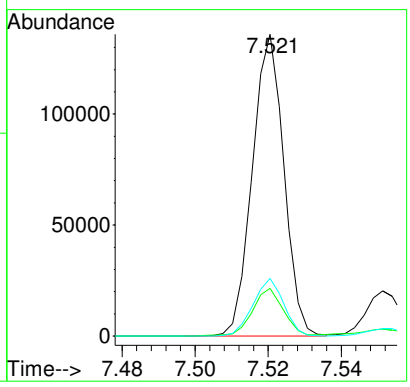


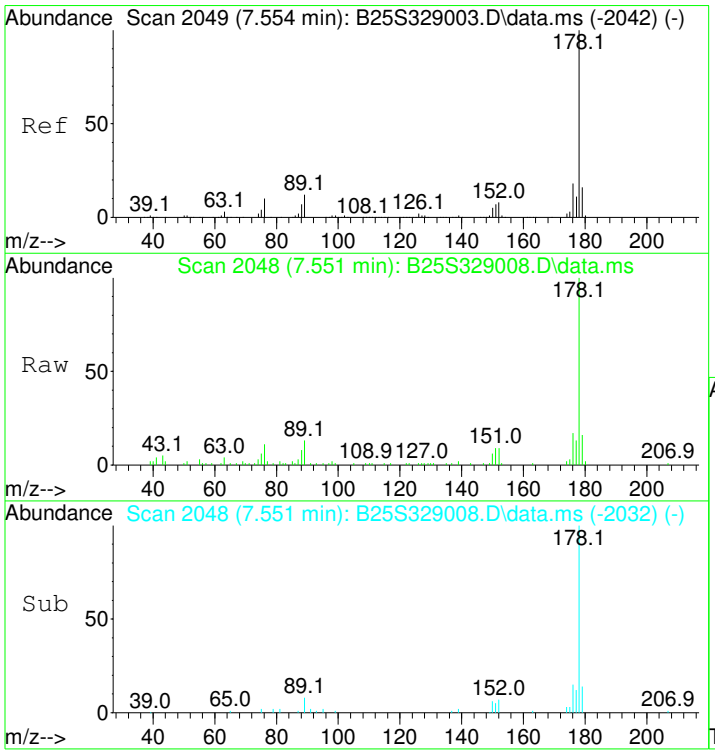


#66
Phenanthrene
Concen: 11.12 ug/ml
RT: 7.521 min Scan# 2036
Delta R.T. -0.008 min
Lab File: B25S329008.D
Acq: 25 Nov 2025 4:12 pm

Tgt Ion:178 Resp: 81623

Ion	Ratio	Lower	Upper
178	100		
179	15.7	0.0	35.5
176	18.6	0.0	39.0

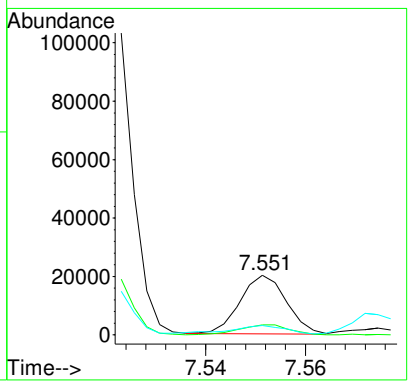


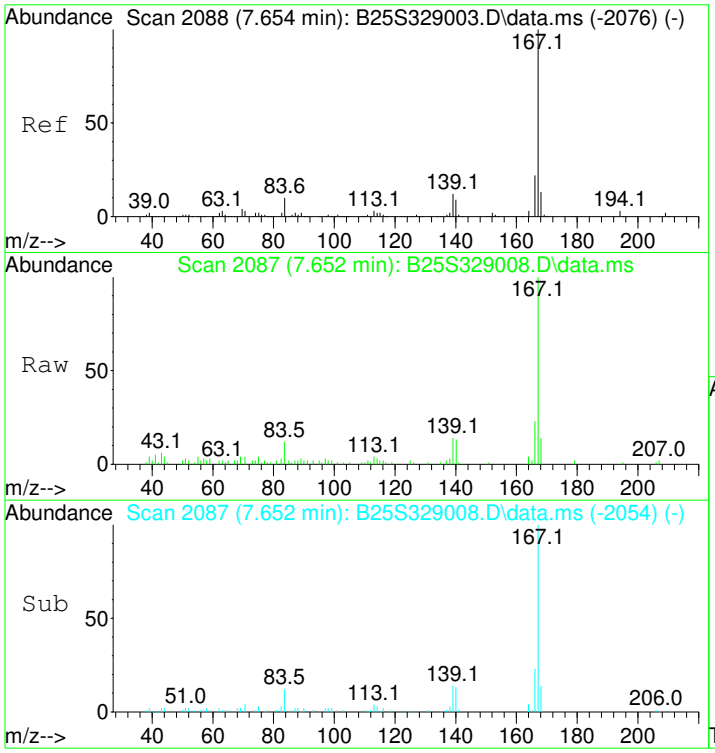


#67
Anthracene
Concen: 1.76 ug/ml
RT: 7.551 min Scan# 2048
Delta R.T. -0.010 min
Lab File: B25S329008.D
Acq: 25 Nov 2025 4:12 pm

Tgt Ion:178 Resp: 12937

Ion	Ratio	Lower	Upper
178	100		
176	18.7	0.0	38.3
179	16.5	0.0	35.5

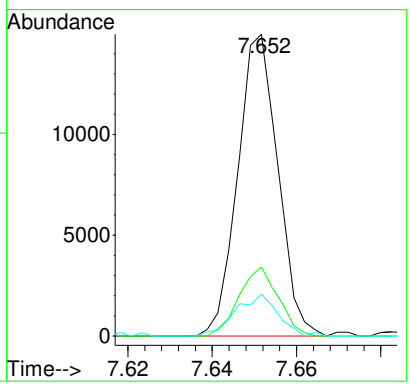


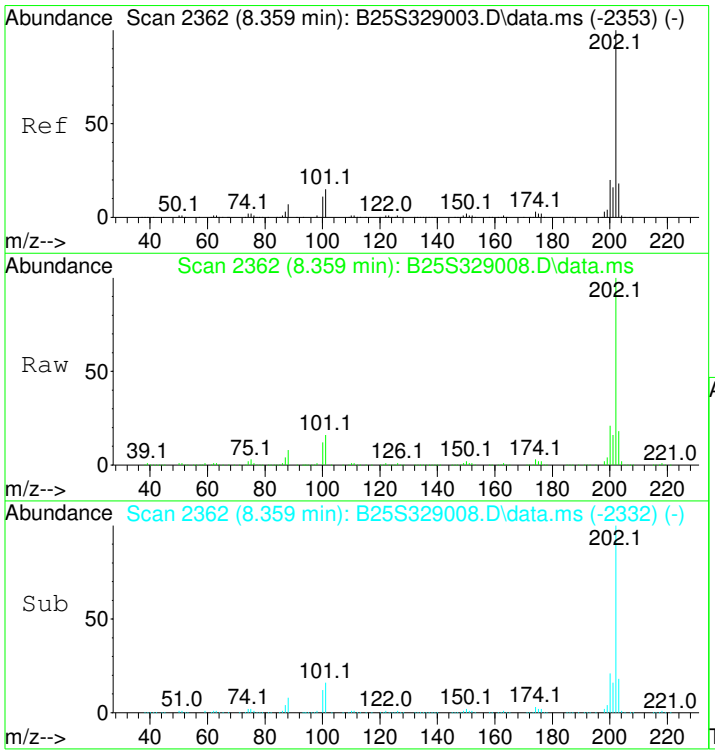


#68
Carbazole
Concen: 1.45 ug/ml
RT: 7.652 min Scan# 2087
Delta R.T. -0.005 min
Lab File: B25S329008.D
Acq: 25 Nov 2025 4:12 pm

Tgt Ion:167 Resp: 9878

Ion	Ratio	Lower	Upper
167	100		
166	22.4	1.9	41.9
139	14.6	0.0	33.5

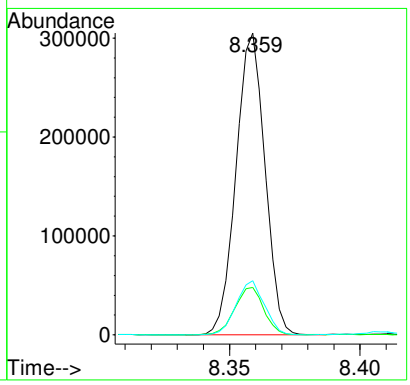


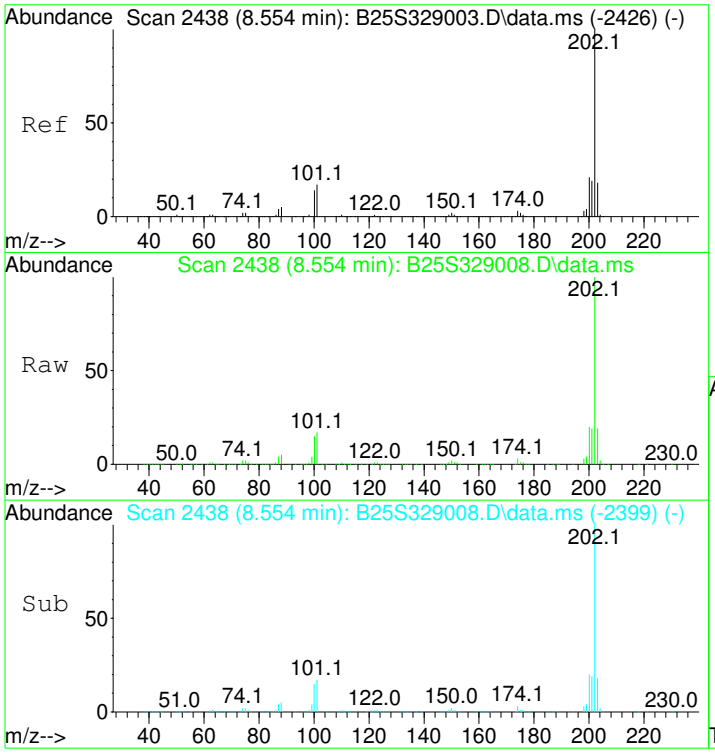


#70
Flouranthene
Concen: 32.47 ug/ml
RT: 8.359 min Scan# 2362
Delta R.T. -0.008 min
Lab File: B25S329008.D
Acq: 25 Nov 2025 4:12 pm

Tgt Ion:202 Resp: 235551

Ion	Ratio	Lower	Upper
202	100		
101	15.8	0.0	36.2
203	17.6	0.0	37.5

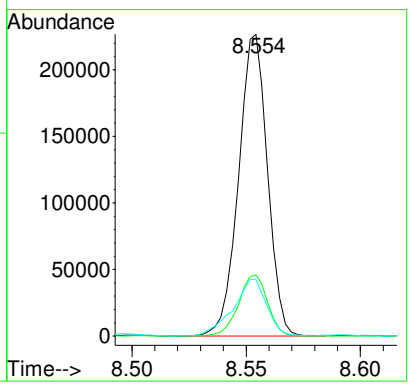


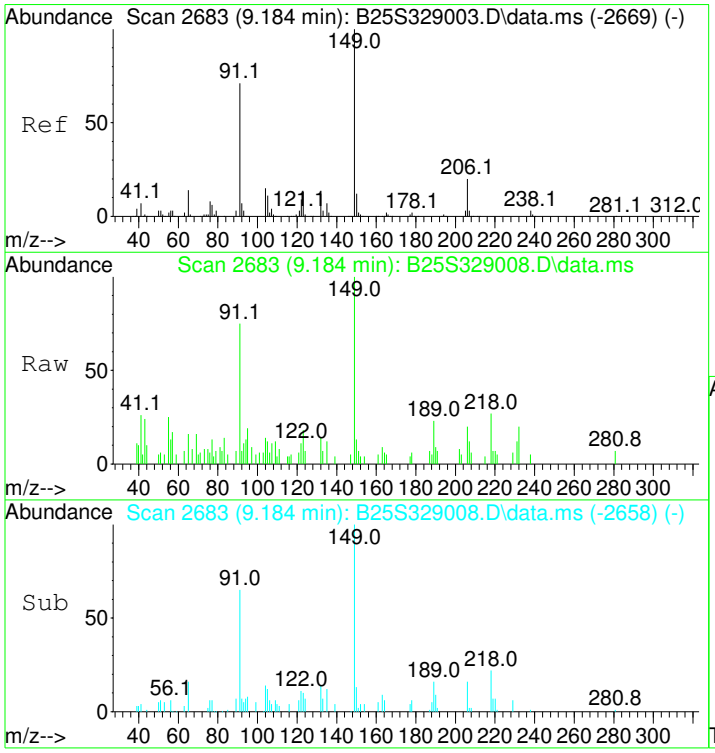


#74
Pyrene
Concen: 22.06 ug/ml
RT: 8.554 min Scan# 2438
Delta R.T. -0.008 min
Lab File: B25S329008.D
Acq: 25 Nov 2025 4:12 pm

Tgt Ion:202 Resp: 199412

Ion	Ratio	Lower	Upper
202	100		
200	20.3	0.1	40.1
203	22.0	0.0	38.1

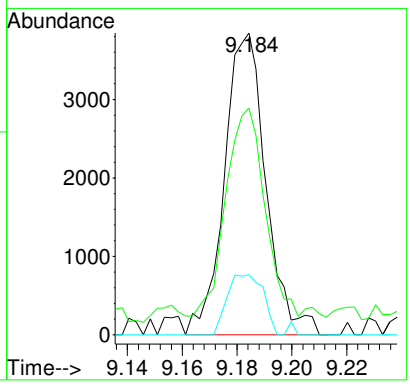


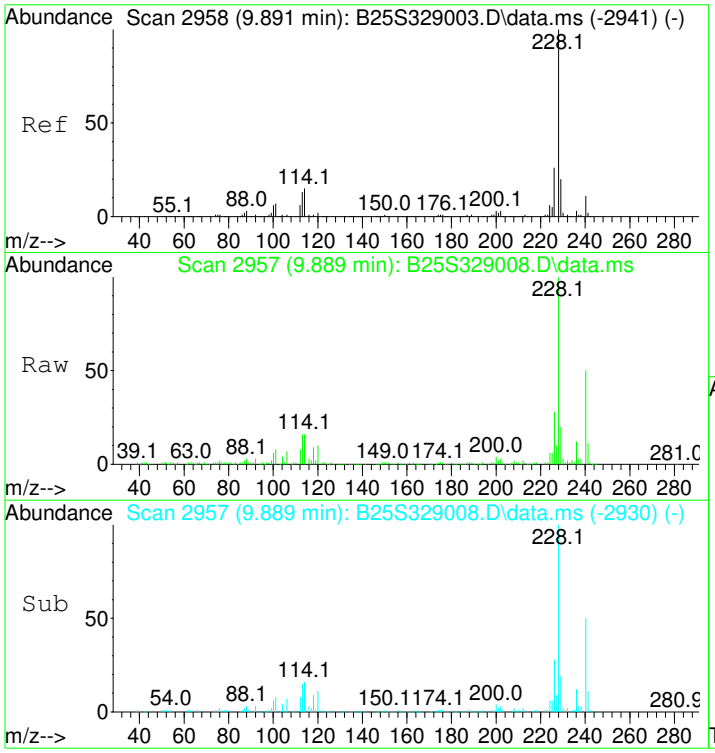


#75
Butylbenzyl phthalate
Concen: 1.23 ug/ml
RT: 9.184 min Scan# 2683
Delta R.T. -0.013 min
Lab File: B25S329008.D
Acq: 25 Nov 2025 4:12 pm

Tgt Ion:149 Resp: 4048

Ion	Ratio	Lower	Upper
149	100		
91	71.9	42.5	82.5
206	17.4	0.2	40.2

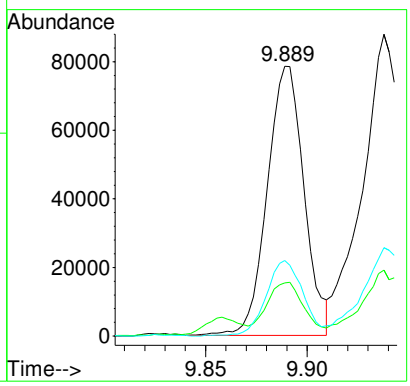


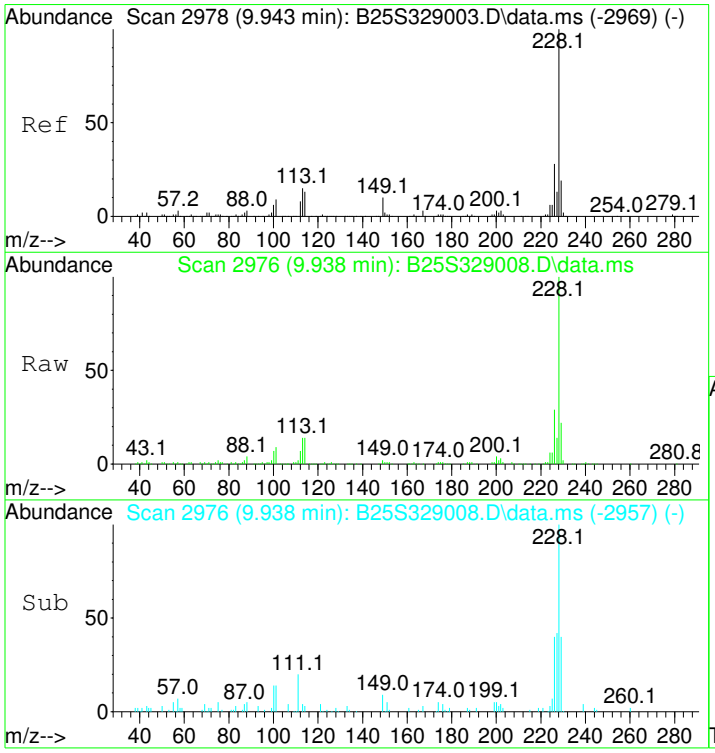


#77
Benzo(a)anthracene
Concen: 11.91 ug/ml
RT: 9.889 min Scan# 2957
Delta R.T. -0.013 min
Lab File: B25S329008.D
Acq: 25 Nov 2025 4:12 pm

Tgt Ion:228 Resp: 99019

Ion	Ratio	Lower	Upper
228	100		
229	18.1	0.0	38.9
226	28.0	4.9	44.9

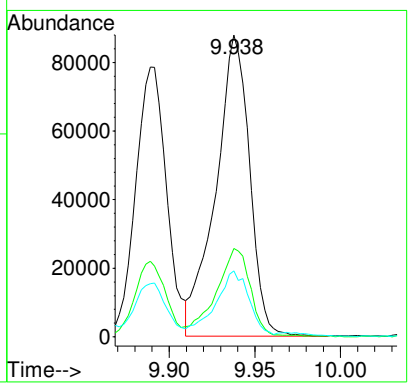


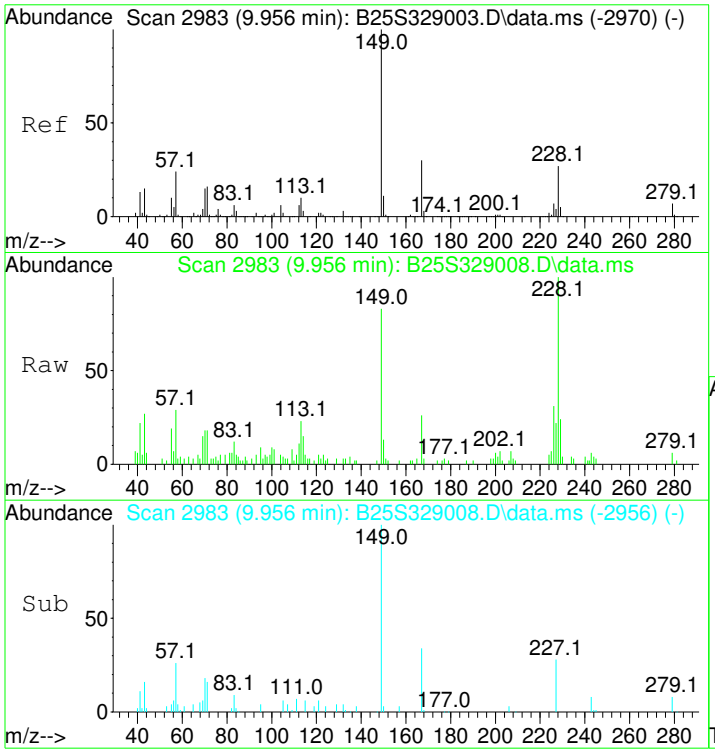


#78
Chrysene
Concen: 14.68 ug/ml
RT: 9.938 min Scan# 2976
Delta R.T. -0.015 min
Lab File: B25S329008.D
Acq: 25 Nov 2025 4:12 pm

Tgt Ion:228 Resp: 120658

Ion	Ratio	Lower	Upper
228	100		
226	28.7	8.1	48.1
229	20.4	0.0	38.9

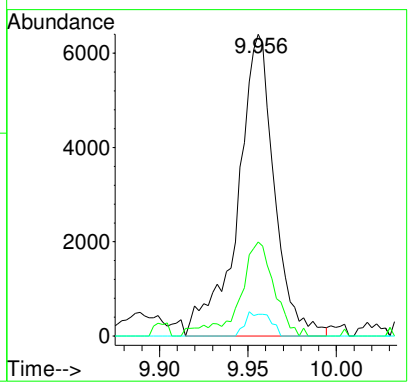


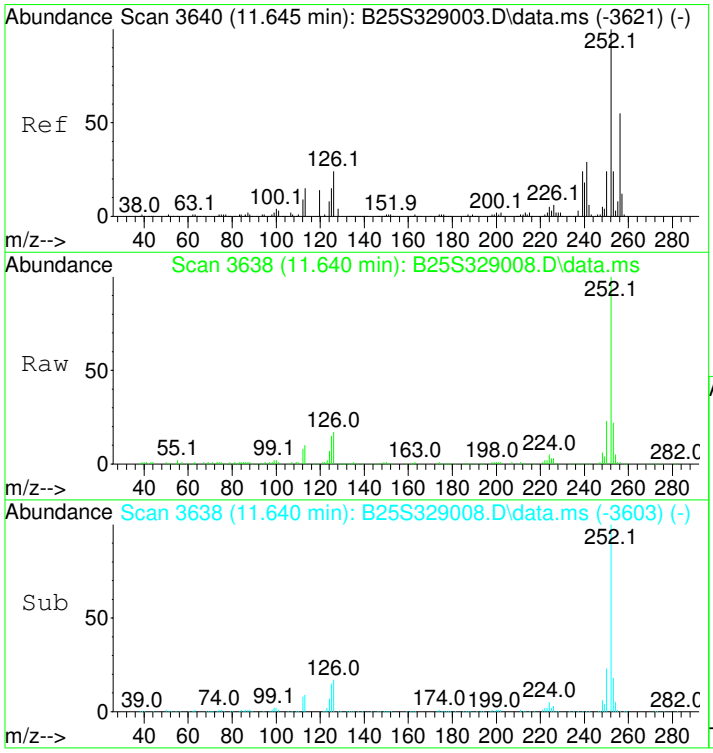


#79
Bis(2-ethylhexyl)phthalate
Concen: 2.44 ug/ml
RT: 9.956 min Scan# 2983
Delta R.T. -0.020 min
Lab File: B25S329008.D
Acq: 25 Nov 2025 4:12 pm

Tgt Ion:149 Resp: 9223

Ion	Ratio	Lower	Upper
149	100		
167	29.4	10.2	50.2
279	5.3	0.0	27.3

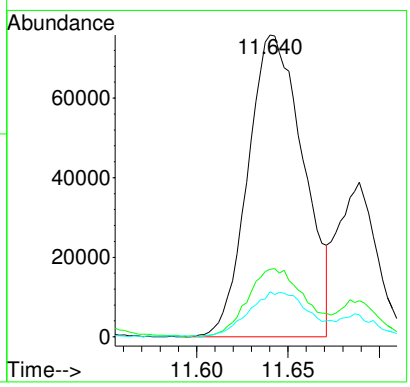


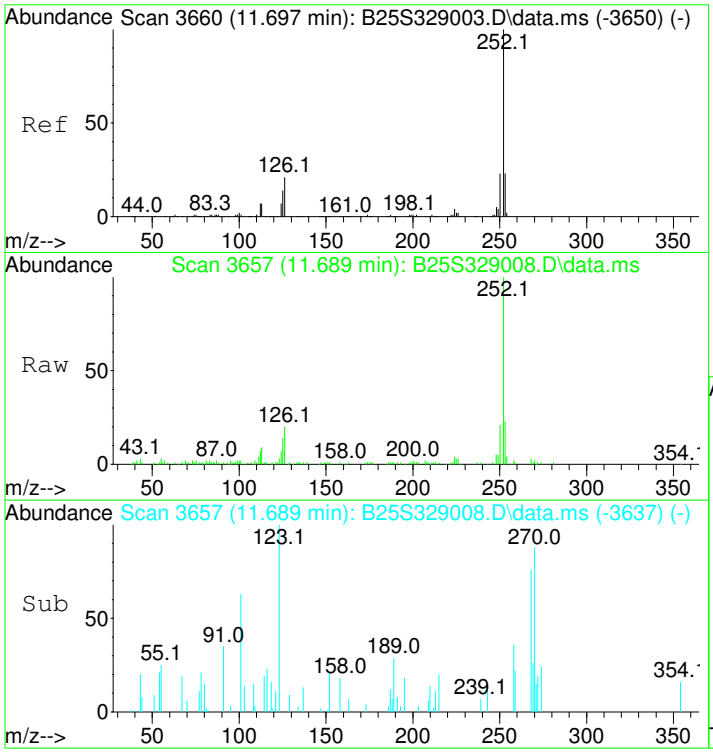


#82
Benzo(b)fluoranthene
Concen: 21.14 ug/ml
RT: 11.640 min Scan# 3638
Delta R.T. -0.013 min
Lab File: B25S329008.D
Acq: 25 Nov 2025 4:12 pm

Tgt Ion:252 Resp: 160116

Ion	Ratio	Lower	Upper
252	100		
253	23.6	2.2	42.2
125	15.7	0.0	34.5

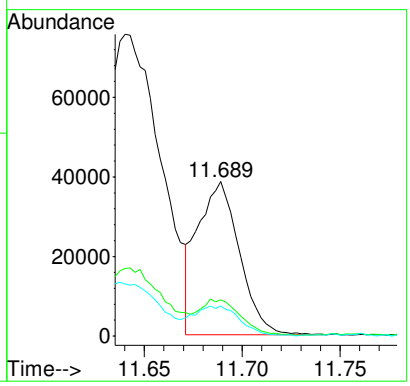


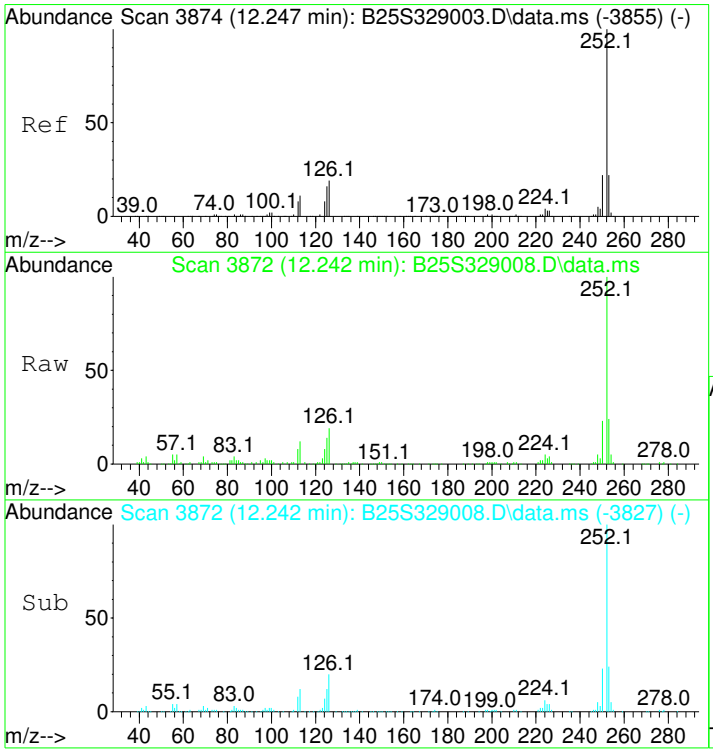


#83
Benzo(k)fluoranthene
Concen: 7.60 ug/ml
RT: 11.689 min Scan# 3657
Delta R.T. -0.015 min
Lab File: B25S329008.D
Acq: 25 Nov 2025 4:12 pm

Tgt Ion:252 Resp: 57112

Ion	Ratio	Lower	Upper
252	100		
253	22.9	0.7	40.7
126	22.3	0.0	39.4

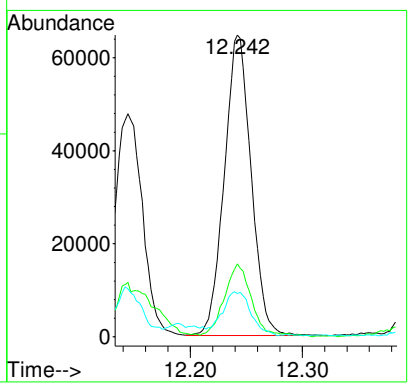


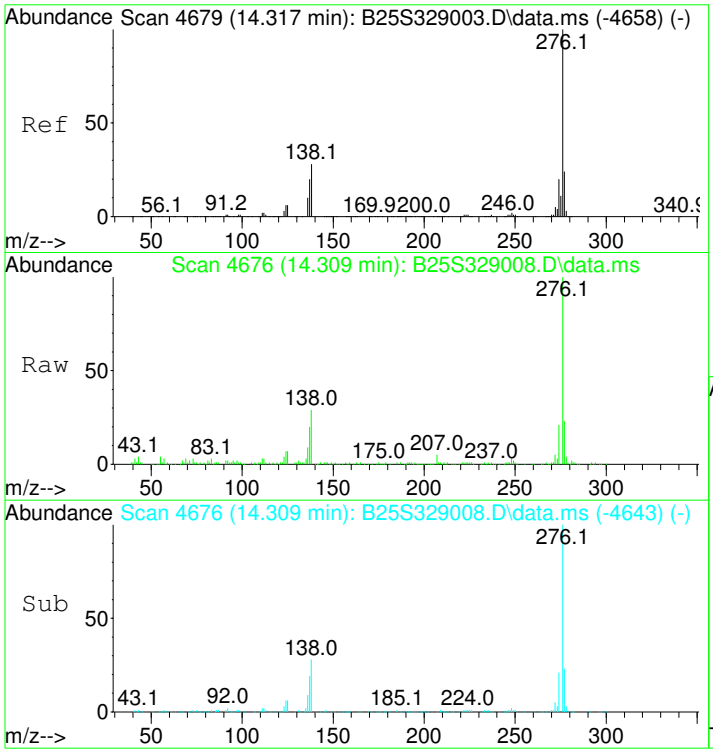


#84
Benzo(a)pyrene
Concen: 15.33 ug/ml
RT: 12.242 min Scan# 3872
Delta R.T. -0.010 min
Lab File: B25S329008.D
Acq: 25 Nov 2025 4:12 pm

Tgt Ion:252 Resp: 107603

Ion	Ratio	Lower	Upper
252	100		
253	25.0	0.4	40.4
125	15.8	0.0	34.0

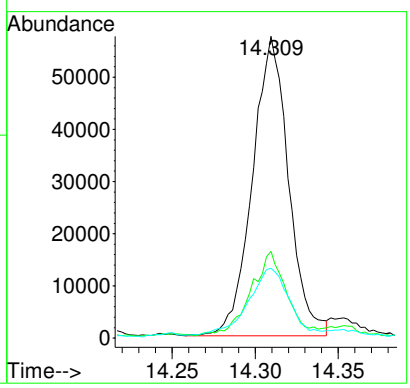


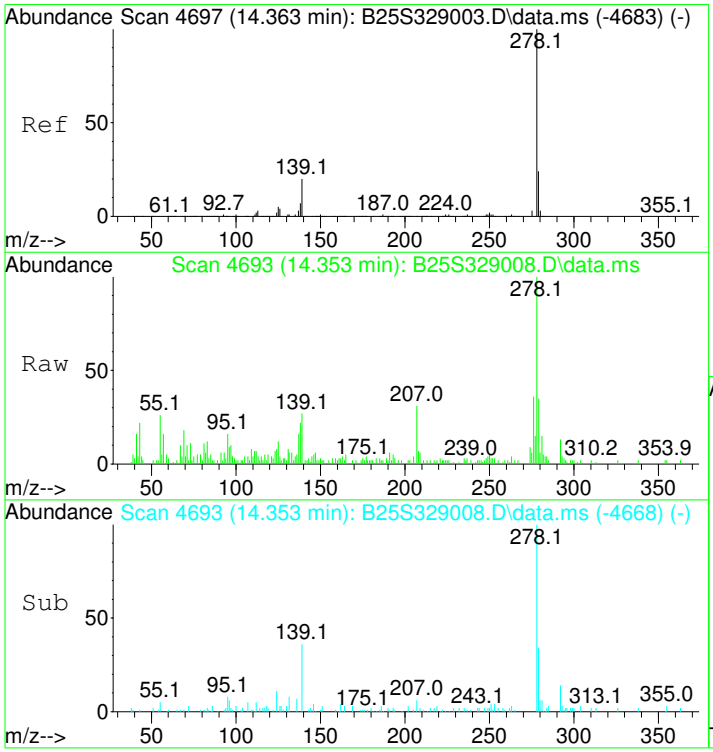


#85
Indeno(1,2,3-cd)pyrene
Concen: 13.90 ug/ml
RT: 14.309 min Scan# 4676
Delta R.T. -0.005 min
Lab File: B25S329008.D
Acq: 25 Nov 2025 4:12 pm

Tgt Ion:276 Resp: 86859

Ion	Ratio	Lower	Upper
276	100		
138	28.0	5.0	45.0
277	26.2	4.1	44.1

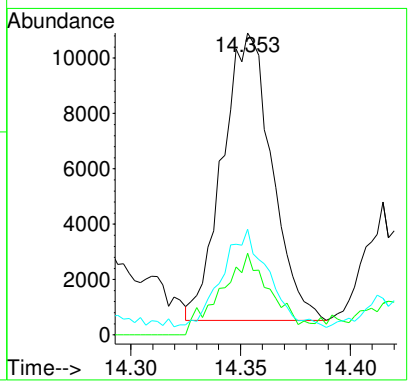


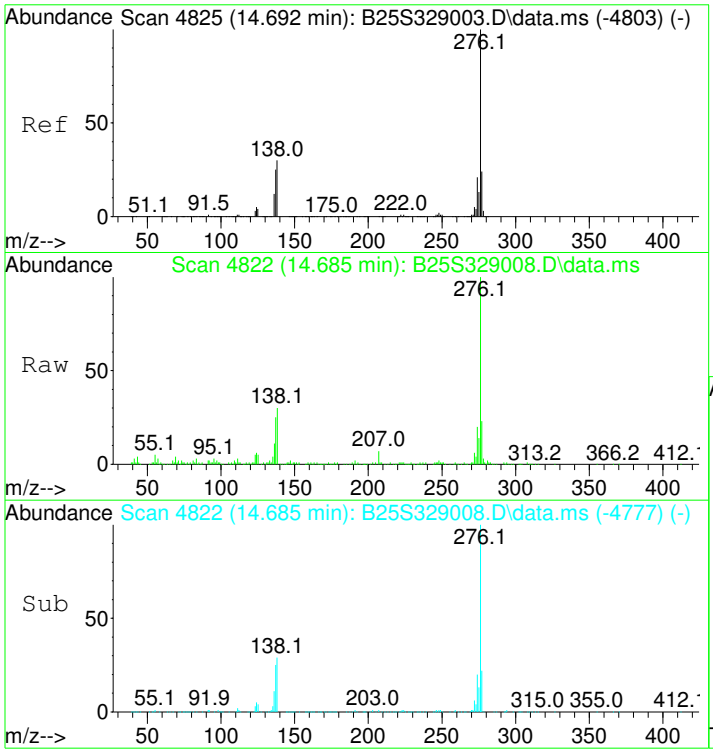


#86
Dibenz(a,h)anthracene
Concen: 2.47 ug/ml
RT: 14.353 min Scan# 4693
Delta R.T. -0.008 min
Lab File: B25S329008.D
Acq: 25 Nov 2025 4:12 pm

Tgt Ion:278 Resp: 16239

Ion	Ratio	Lower	Upper
278	100		
139	29.3	1.1	41.1
279	31.8	3.5	43.5

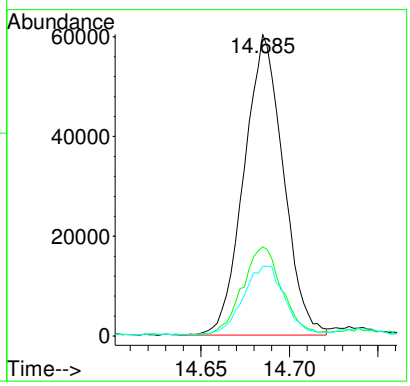




#87
Benzo(g,h,i)perylene
Concen: 13.39 ug/ml
RT: 14.685 min Scan# 4822
Delta R.T. -0.002 min
Lab File: B25S329008.D
Acq: 25 Nov 2025 4:12 pm

Tgt Ion:276 Resp: 92803

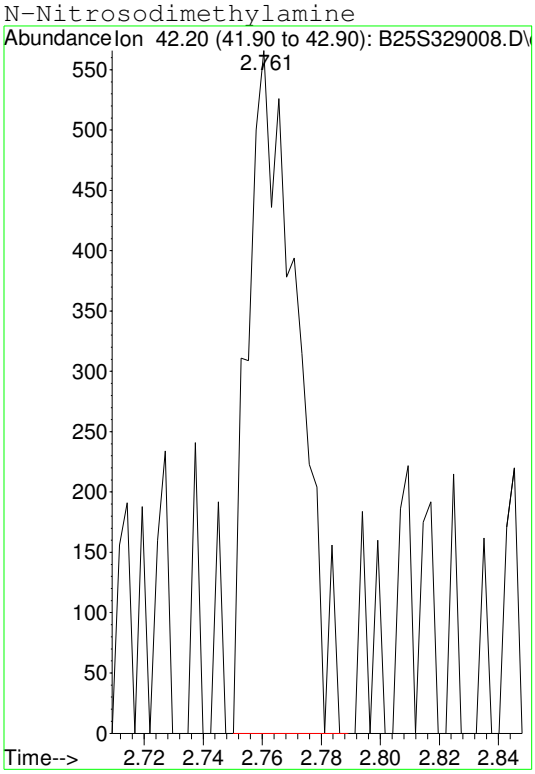
Ion	Ratio	Lower	Upper
276	100		
138	29.5	5.6	45.6
277	24.4	3.2	43.2



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329008.D
Acq On : 25 Nov 2025 4:12 pm
Operator : BGL
Sample : 25K1216-01
Misc :

Quant Time : Wed Nov 26 11:24:31 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
N-Nitrosodimethylamine



Original Int. Results

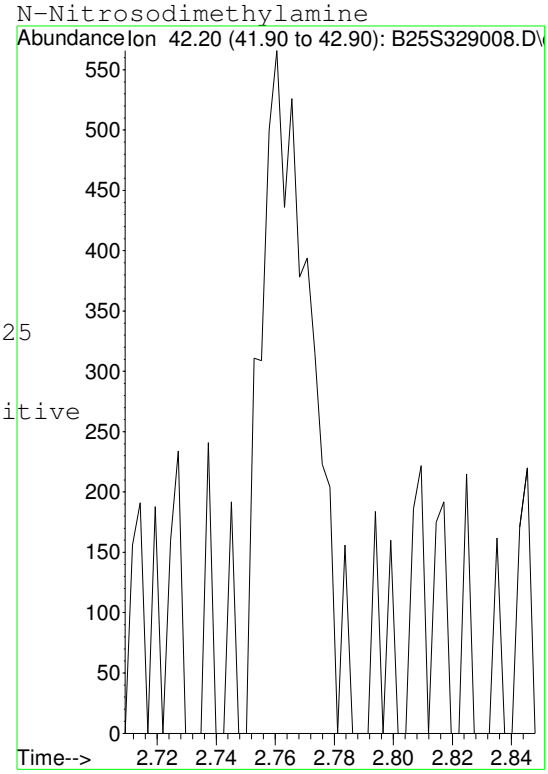
RT : 2.76
Area : 666
Amount: 0.561407

Manual Int. Results

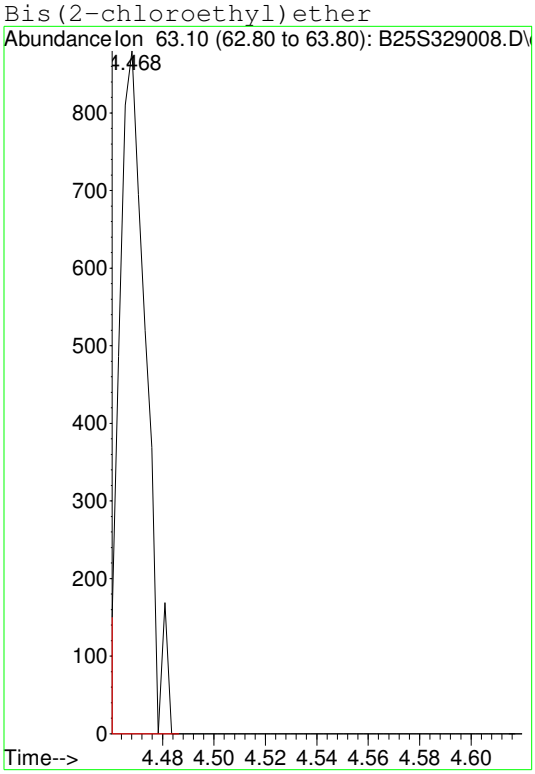
Wed Nov 26 11:23:21 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
N-Nitrosodimethylamine



Original Integration
Bis(2-chloroethyl)ether



Original Int. Results

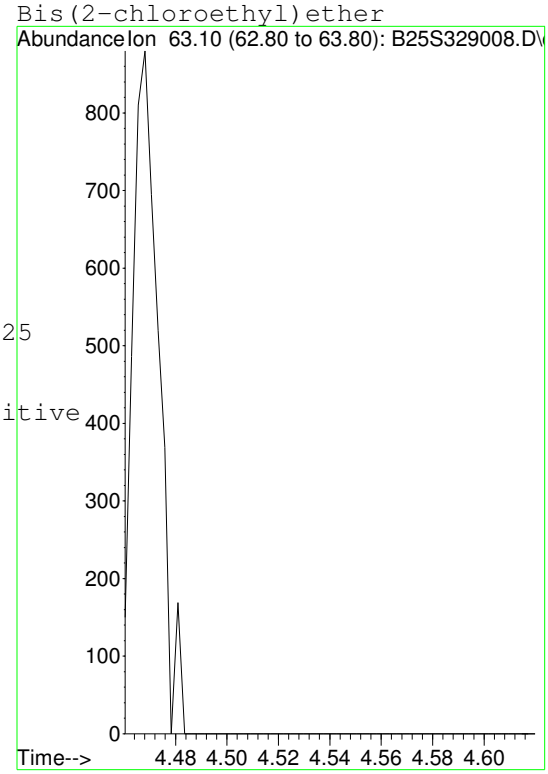
RT : 4.47
Area : 629
Amount: 0.367949

Manual Int. Results

Wed Nov 26 11:23:23 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

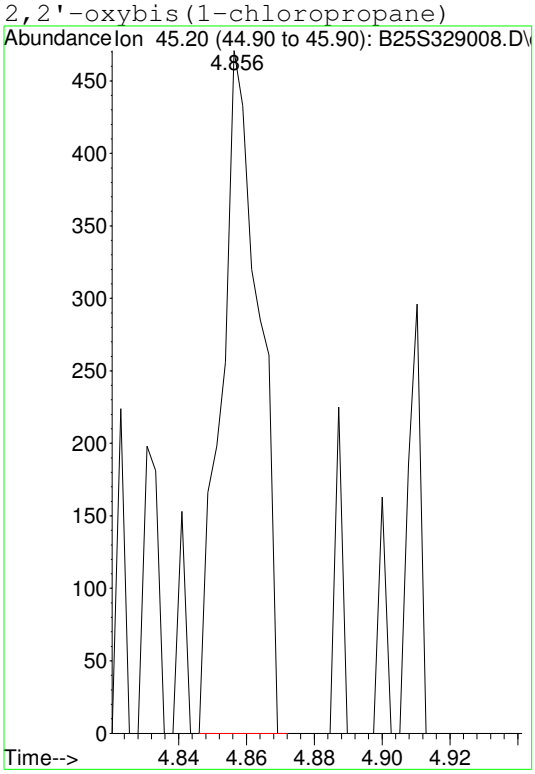
Manual Integration
Bis(2-chloroethyl)ether



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329008.D
Acq On : 25 Nov 2025 4:12 pm
Operator : BGL
Sample : 25K1216-01
Misc :

Quant Time : Wed Nov 26 11:24:31 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
2,2'-oxybis(1-chloropropane)



Original Int. Results

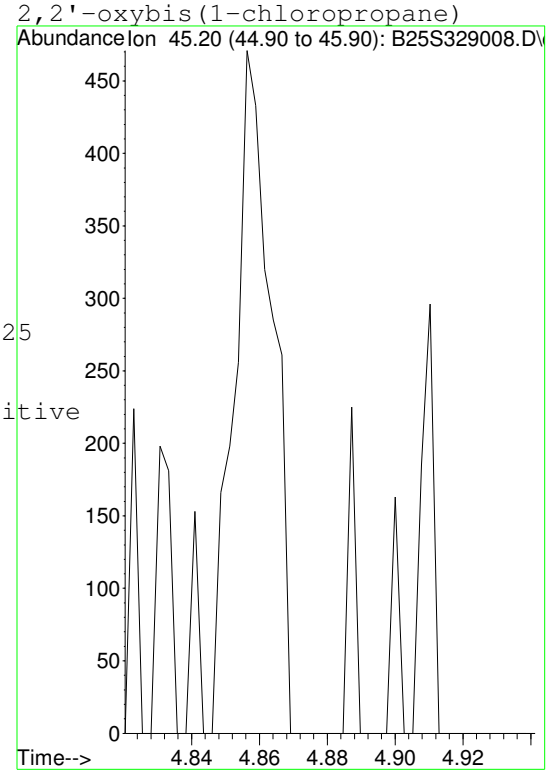
RT : 4.86
Area : 369
Amount: 0.133148

Manual Int. Results

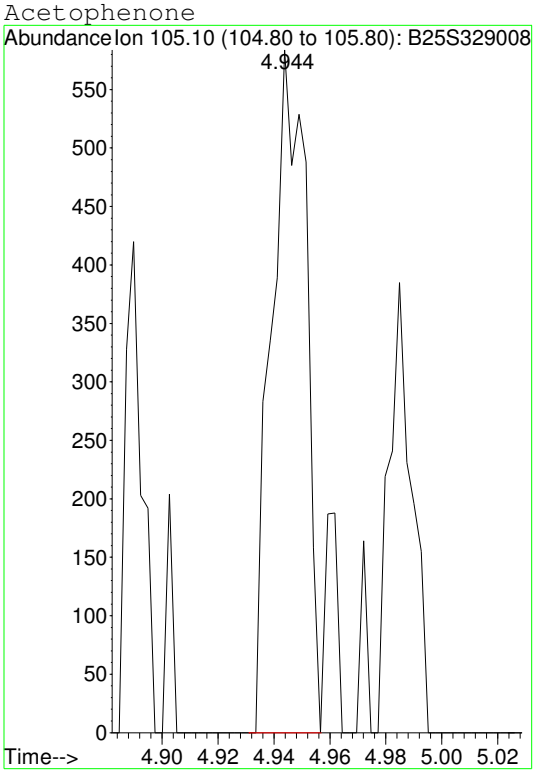
Wed Nov 26 11:23:51 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2,2'-oxybis(1-chloropropane)



Original Integration
Acetophenone



Original Int. Results

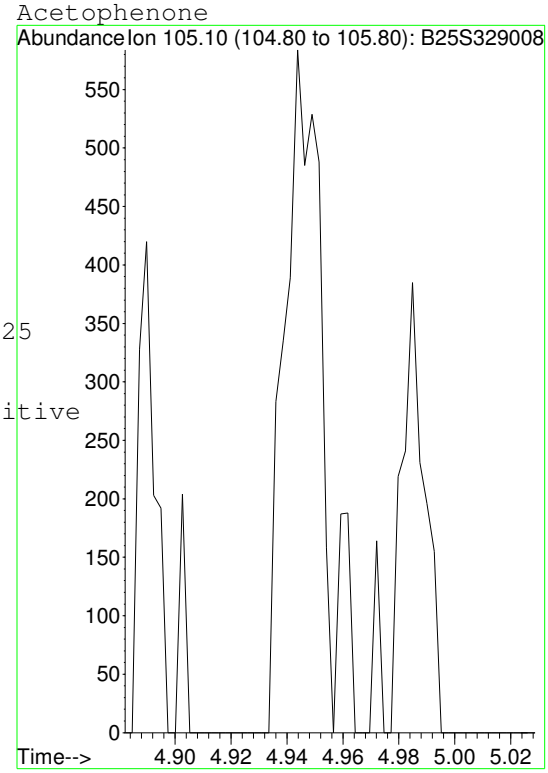
RT : 4.94
Area : 502
Amount: 0.146147

Manual Int. Results

Wed Nov 26 11:23:50 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

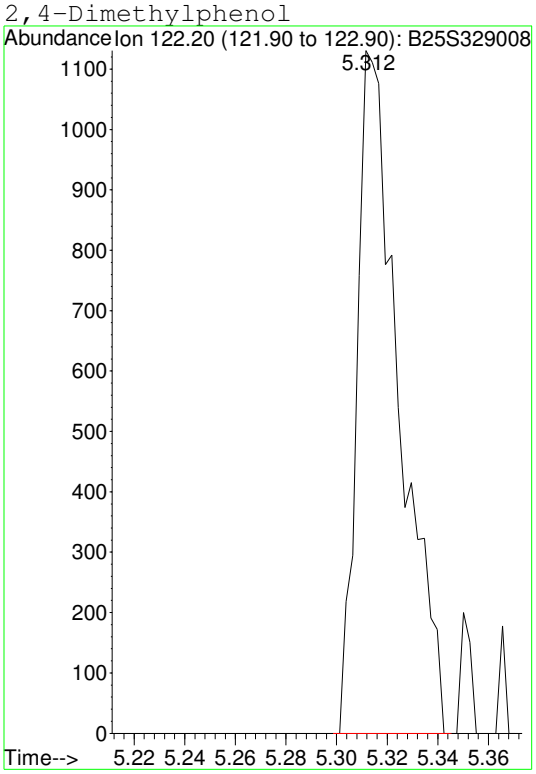
Manual Integration
Acetophenone



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329008.D
Acq On : 25 Nov 2025 4:12 pm
Operator : BGL
Sample : 25K1216-01
Misc :

Quant Time : Wed Nov 26 11:24:31 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
2,4-Dimethylphenol



Original Int. Results

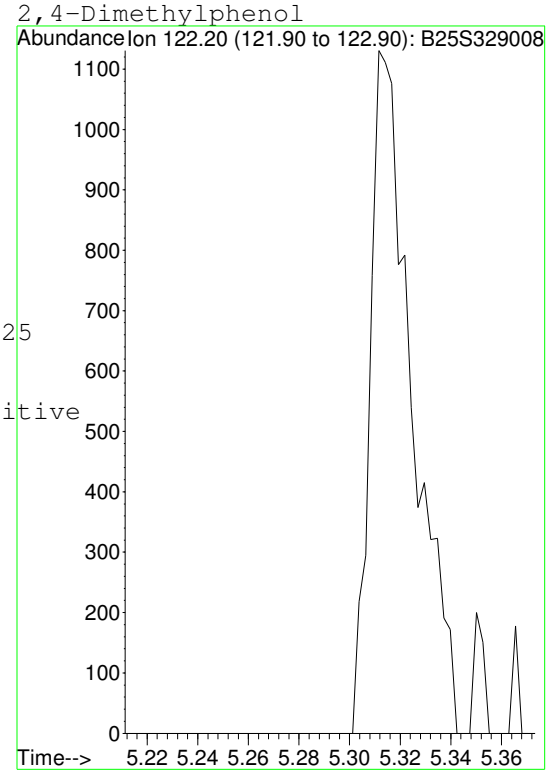
RT : 5.31
Area : 1310
Amount: 0.664282

Manual Int. Results

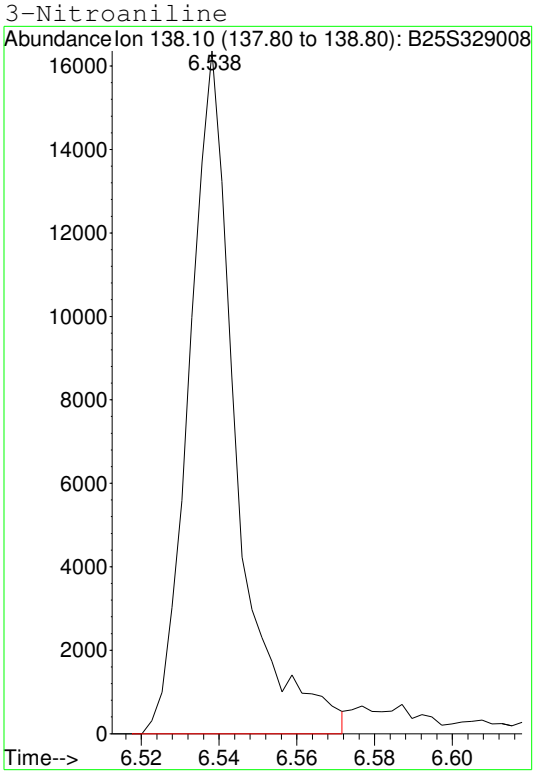
Wed Nov 26 11:23:53 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2,4-Dimethylphenol



Original Integration
3-Nitroaniline



Original Int. Results

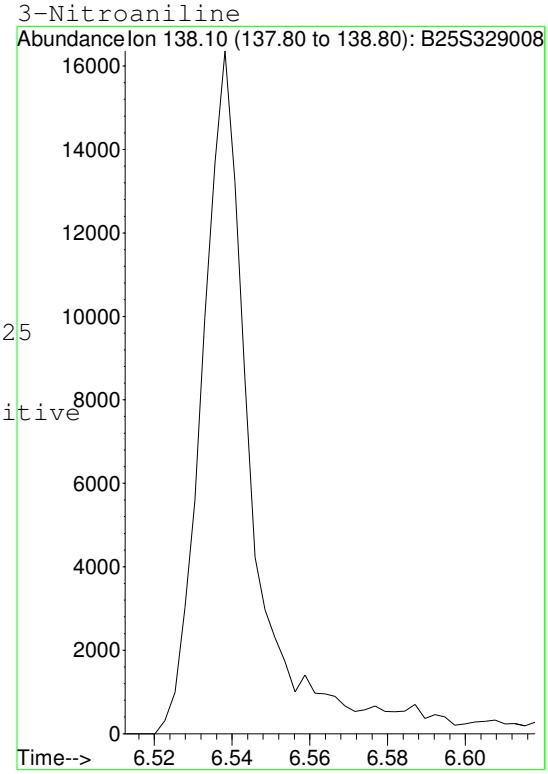
RT : 6.54
Area : 13797
Amount: 11.7616

Manual Int. Results

Wed Nov 26 11:20:51 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

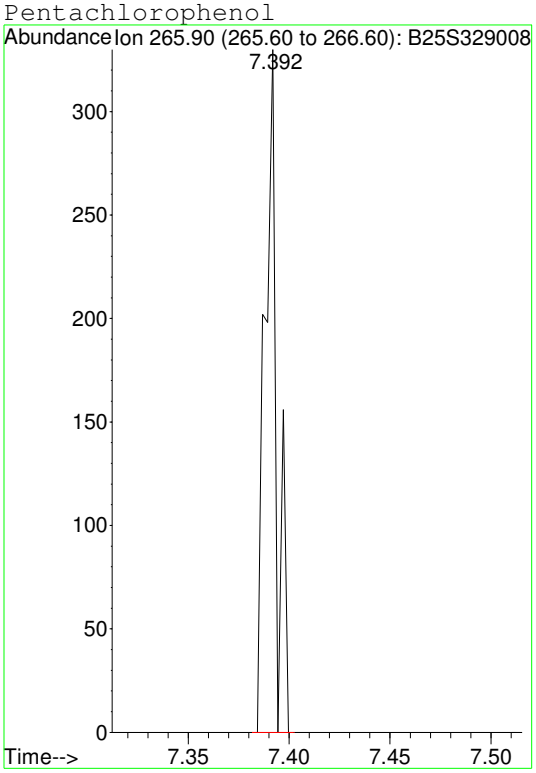
Manual Integration
3-Nitroaniline



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329008.D
Acq On : 25 Nov 2025 4:12 pm
Operator : BGL
Sample : 25K1216-01
Misc :

Quant Time : Wed Nov 26 11:24:31 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Pentachlorophenol



Original Int. Results

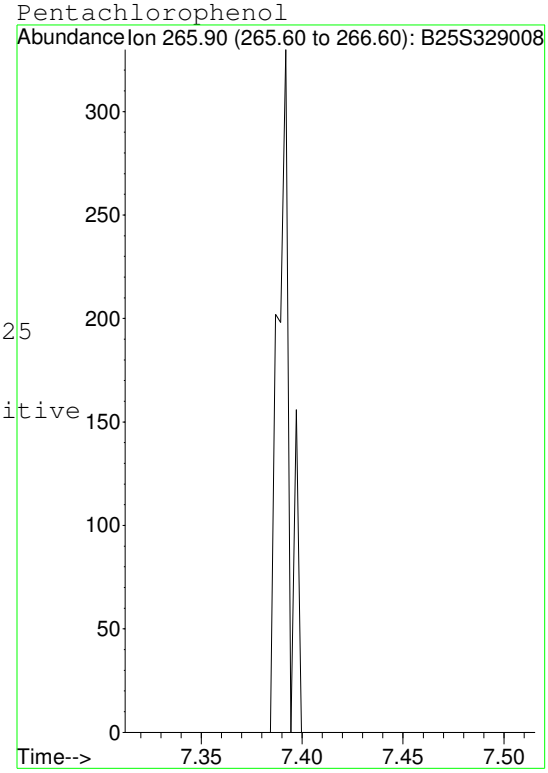
RT : 7.39
Area : 137
Amount: 0.145517

Manual Int. Results

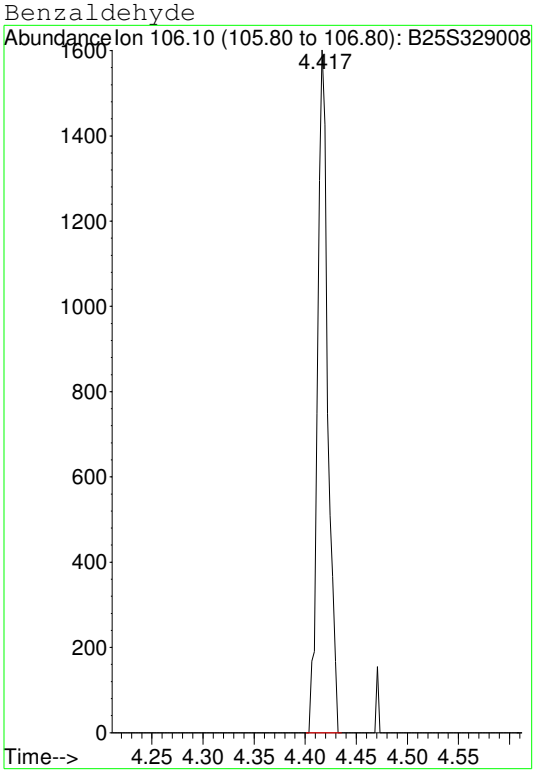
Wed Nov 26 11:24:03 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Pentachlorophenol



Original Integration
Benzaldehyde



Original Int. Results

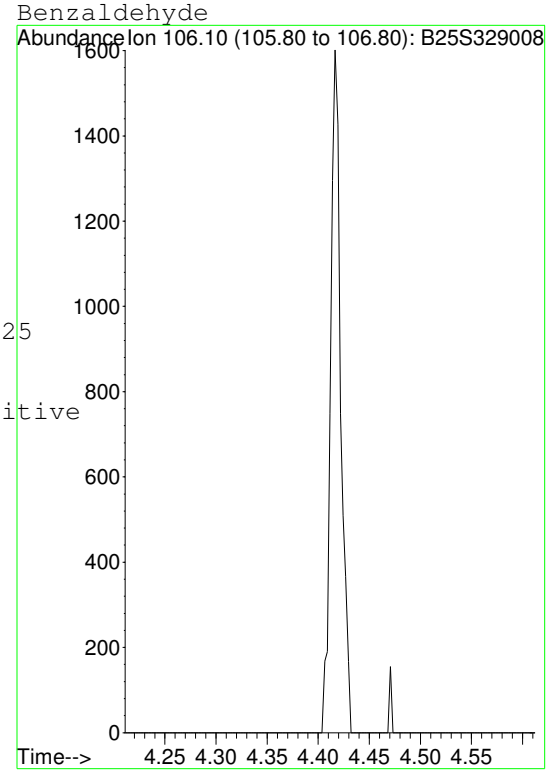
RT : 4.42
Area : 1114
Amount: 0.502579

Manual Int. Results

Wed Nov 26 11:24:30 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Benzaldehyde



1 - FORM I
ANALYSIS DATA SHEET

D-3 (2-12in)

Laboratory:	Pace New England			Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1216-02	File ID:	B25S329009.D
Sampled:	11/17/25 15:25	Prepared:	11/21/25 07:21	Analyzed:	11/25/25 16:36
Solids:	87.03	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.07 g / 1 mL				
Batch:	B417963	Sequence:	S129060	Calibration:	2500833	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol		0.055	0.77	
1912-24-9	Atrazine		0.053	0.77	V-06
100-52-7	Benzaldehyde		0.054	0.39	V-34
92-52-4	Biphenyl		0.044	0.077	
105-60-2	Caprolactam		0.067	0.39	
83-32-9	Acenaphthene	0.026	0.0042	0.038	J
208-96-8	Acenaphthylene	0.019	0.0048	0.038	J
98-86-2	Acetophenone		0.041	0.39	
62-53-3	Aniline		0.073	0.39	V-34
120-12-7	Anthracene	0.13	0.0044	0.038	
56-55-3	Benzo(a)anthracene	0.75	0.0060	0.038	
50-32-8	Benzo(a)pyrene	0.92	0.013	0.038	
205-99-2	Benzo(b)fluoranthene	1.3	0.0094	0.038	
191-24-2	Benzo(g,h,i)perylene	0.66	0.015	0.038	
207-08-9	Benzo(k)fluoranthene	0.46	0.0078	0.038	
111-91-1	Bis(2-chloroethoxy)methane		0.039	0.39	
111-44-4	Bis(2-chloroethyl)ether		0.052	0.39	
108-60-1	2,2'-oxybis(1-Chloropropane)		0.16	0.39	
117-81-7	Bis(2-Ethylhexyl)phthalate	0.15	0.053	0.39	V-06, J
101-55-3	4-Bromophenylphenylether		0.034	0.39	
85-68-7	Butylbenzylphthalate	0.057	0.044	0.39	J
86-74-8	Carbazole	0.11	0.040	0.19	J
106-47-8	4-Chloroaniline		0.063	0.76	
59-50-7	4-Chloro-3-methylphenol		0.041	0.76	
91-58-7	2-Chloronaphthalene		0.034	0.39	
95-57-8	2-Chlorophenol		0.034	0.39	
7005-72-3	4-Chlorophenylphenylether		0.036	0.39	
218-01-9	Chrysene	0.91	0.0049	0.038	
53-70-3	Dibenz(a,h)anthracene	0.12	0.017	0.038	

1 - FORM I
ANALYSIS DATA SHEET

D-3 (2-12in)

Laboratory:	Pace New England			Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1216-02	File ID:	B25S329009.D
Sampled:	11/17/25 15:25	Prepared:	11/21/25 07:21	Analyzed:	11/25/25 16:36
Solids:	87.03	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.07 g / 1 mL				
Batch:	B417963	Sequence:	S129060	Calibration:	2500833	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
132-64-9	Dibenzofuran		0.038	0.39	
84-74-2	Di-n-butylphthalate		0.15	0.39	
91-94-1	3,3-Dichlorobenzidine		0.069	0.19	
120-83-2	2,4-Dichlorophenol		0.036	0.39	
84-66-2	Diethylphthalate		0.038	0.39	
105-67-9	2,4-Dimethylphenol		0.080	0.39	
131-11-3	Dimethylphthalate		0.035	0.39	
534-52-1	4,6-Dinitro-2-methylphenol		0.32	0.39	
51-28-5	2,4-Dinitrophenol		0.36	0.76	V-04, V-06
121-14-2	2,4-Dinitrotoluene		0.092	0.39	
606-20-2	2,6-Dinitrotoluene		0.049	0.39	
117-84-0	Di-n-octylphthalate		0.057	0.39	V-06
206-44-0	Fluoranthene	2.2	0.0054	0.038	
86-73-7	Fluorene	0.033	0.0046	0.038	J
118-74-1	Hexachlorobenzene		0.039	0.39	
87-68-3	Hexachlorobutadiene		0.040	0.39	
77-47-4	Hexachlorocyclopentadiene		0.19	0.39	
67-72-1	Hexachloroethane		0.035	0.39	
193-39-5	Indeno(1,2,3-cd)pyrene	0.71	0.016	0.038	
78-59-1	Isophorone		0.042	0.39	
90-12-0	1-Methylnaphthalene		0.0048	0.038	
91-57-6	2-Methylnaphthalene	0.0057	0.0044	0.038	J
95-48-7	2-Methylphenol		0.049	0.39	
108-39-4/106-4	3/4-Methylphenol		0.064	0.39	
91-20-3	Naphthalene	0.012	0.0055	0.038	J
88-74-4	2-Nitroaniline		0.060	0.39	
99-09-2	3-Nitroaniline		0.051	0.39	
100-01-6	4-Nitroaniline		0.055	0.39	
98-95-3	Nitrobenzene		0.044	0.39	

1 - FORM I
ANALYSIS DATA SHEET

D-3 (2-12in)

Laboratory:	Pace New England			Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1216-02	File ID:	B25S329009.D
Sampled:	11/17/25 15:25	Prepared:	11/21/25 07:21	Analyzed:	11/25/25 16:36
Solids:	87.03	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.07 g / 1 mL				
Batch:	B417963	Sequence:	S129060	Calibration:	2500833	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
88-75-5	2-Nitrophenol		0.040	0.39	
100-02-7	4-Nitrophenol		0.15	0.76	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.050	0.39	
621-64-7	N-Nitrosodi-n-propylamine		0.048	0.39	
87-86-5	Pentachlorophenol		0.050	0.39	
85-01-8	Phenanthrene	0.79	0.0039	0.038	
108-95-2	Phenol		0.037	0.39	
129-00-0	Pyrene	1.4	0.0065	0.038	
110-86-1	Pyridine		0.049	0.39	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.037	0.39	
95-95-4	2,4,5-Trichlorophenol		0.039	0.39	
88-06-2	2,4,6-Trichlorophenol		0.034	0.39	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329009.D
Acq On : 25 Nov 2025 4:36 pm
Operator : BGL
Sample : 25K1216-02 Inst : GCMSSV2
Misc :
ALS Vial : 9 Sample Multiplier: 1

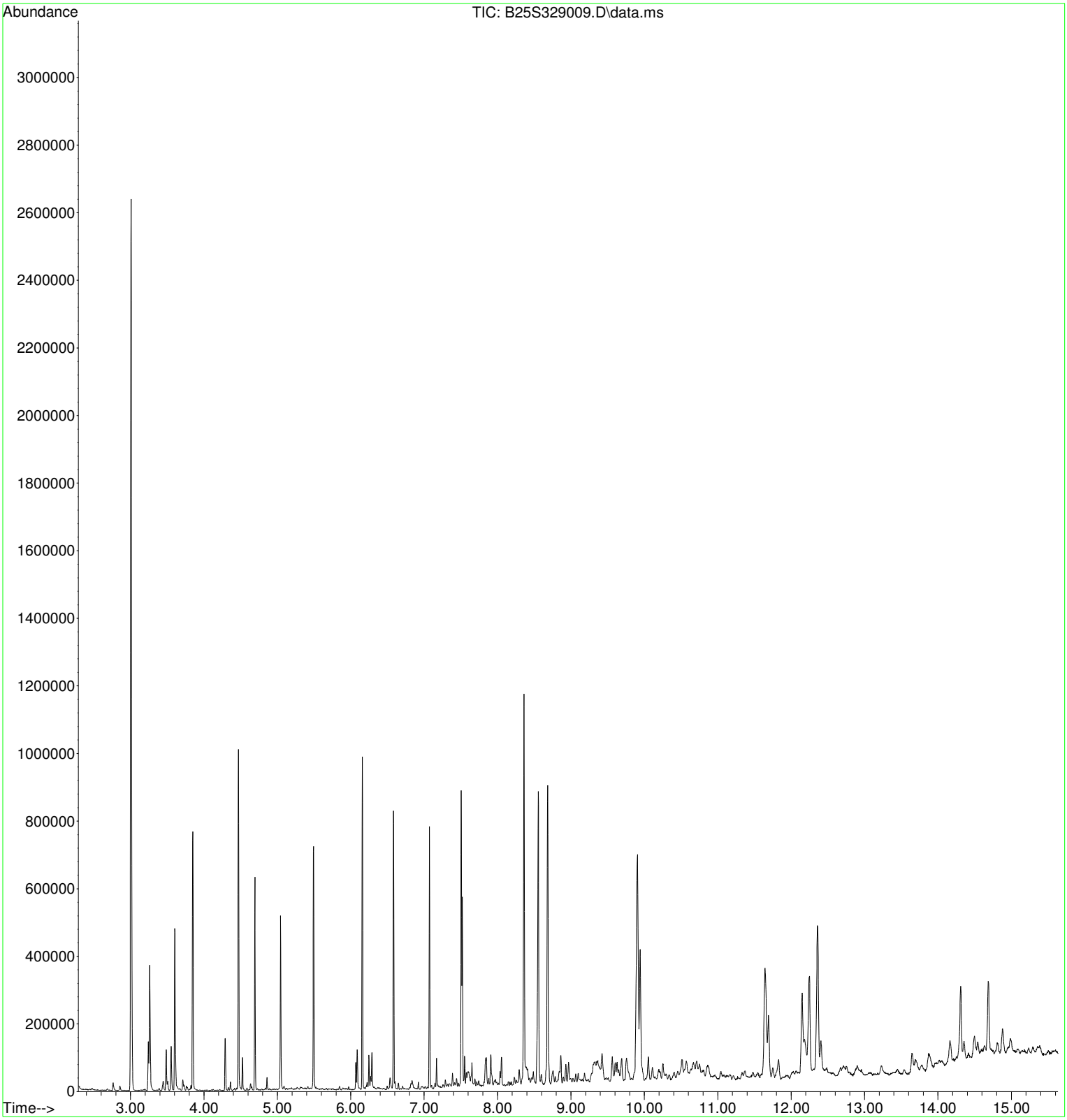
Quant Time: Nov 25 16:52:43 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

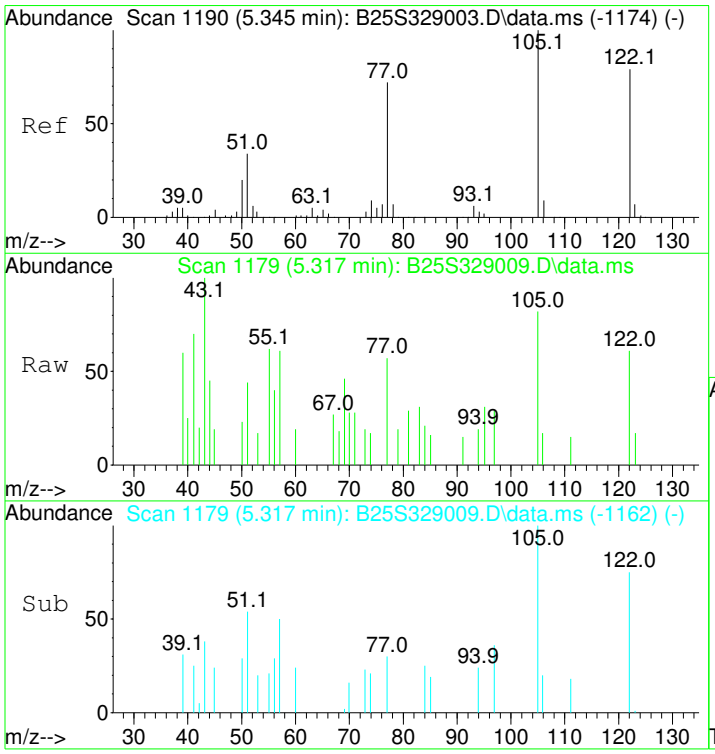
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.694	152	66508	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	5.494	136	241437	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	6.582	164	124231	40.00	ug/ml	-0.01
58) PHENANTHRENE-D10	7.505	188	214793	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.907	240	238458	40.00	ug/ml	0.00
80) PERYLENE-D12	12.360	264	260937	40.00	ug/ml	0.00
88) 1,4-Dichlorobenzene-D4...	4.694	152	66508	40.00	ug/ml	0.00
92) NAPHTHALENE-d8 (2)	5.494	136	241437	40.00	ug/ml	0.00
95) ACENAPHTHENE-D10 (2)	6.582	164	124231	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	3.848	112	168776	90.83	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 45.41%			
3) Phenol-d6	4.470	99	264047	86.18	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 43.09%			
20) Nitrobenzene-d5	5.044	82	117103	48.74	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 48.74%			
36) 2-Fluorobiphenyl	6.157	172	208762	50.90	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 50.90%			
37) 2,4,6-Tribromophenol	7.073	330	60080	108.89	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 54.45%			
72) p-Terphenyl-d14	8.683	244	242763	49.16	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 49.16%			
Target Compounds						Qvalue
26) Benzoic Acid	5.317	122	653	0.55	ug/ml#	54
29) Naphthalene	5.507	128	2039	0.31	ug/ml	93
33) 2-MethylNaphthalene	5.934	142	686	0.15	ug/ml	93
34) 1-Methylnaphthalene	5.998	142	506	0.12	ug/ml#	72
47) Acenaphthylene	6.497	152	3003	0.51	ug/ml	95
49) Acenaphthene	6.602	154	2672	0.67	ug/ml	87
52) Dibenzofuran	6.710	168	2151	0.41	ug/ml	93
56) Flourene	6.921	166	3769	0.86	ug/ml	93
66) Phenanthrene	7.520	178	138253	20.60	ug/ml	100
67) Anthracene	7.551	178	22352	3.33	ug/ml	94
68) Carbazole	7.652	167	18197	2.92	ug/ml	99
70) Flouranthene	8.359	202	373785	56.36	ug/ml	99
74) Pyrene	8.554	202	317698	36.33	ug/ml	96
75) Butylbenzyl phthalate	9.187	149	4718	1.48	ug/ml	98
77) Benzo(a)anthracene	9.894	228	158239	19.67	ug/ml	96
78) Chrysene	9.943	228	189570	23.83	ug/ml	99
79) Bis(2-ethylhexyl)phtha...	9.956	149	14218	3.89	ug/ml	99
82) Benzo(b)fluoranthene	11.645	252	266538	33.30	ug/ml	99
83) Benzo(k)fluoranthene	11.694	252	95660	12.04	ug/ml	97
84) Benzo(a)pyrene	12.249	252	179252	24.16	ug/ml	95
85) Indeno(1,2,3-cd)pyrene	14.309	276	121873	18.46	ug/ml	95
86) Dibenz(a,h)anthracene	14.356	278	22668	3.27	ug/ml	83
87) Benzo(g,h,i)perylene	14.687	276	125644	17.15	ug/ml	96
90) Benzaldehyde	4.416	106	899	0.41	ug/ml#	76

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

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329009.D
Acq On : 25 Nov 2025 4:36 pm
Operator : BGL
Sample : 25K1216-02 Inst : GCMSSV2
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 25 16:52:43 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

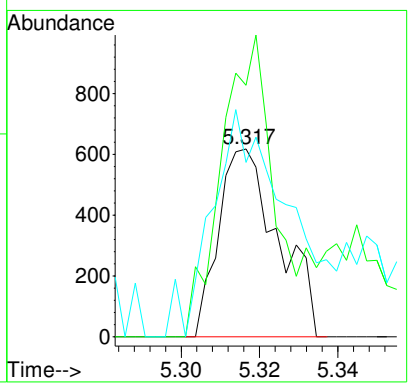


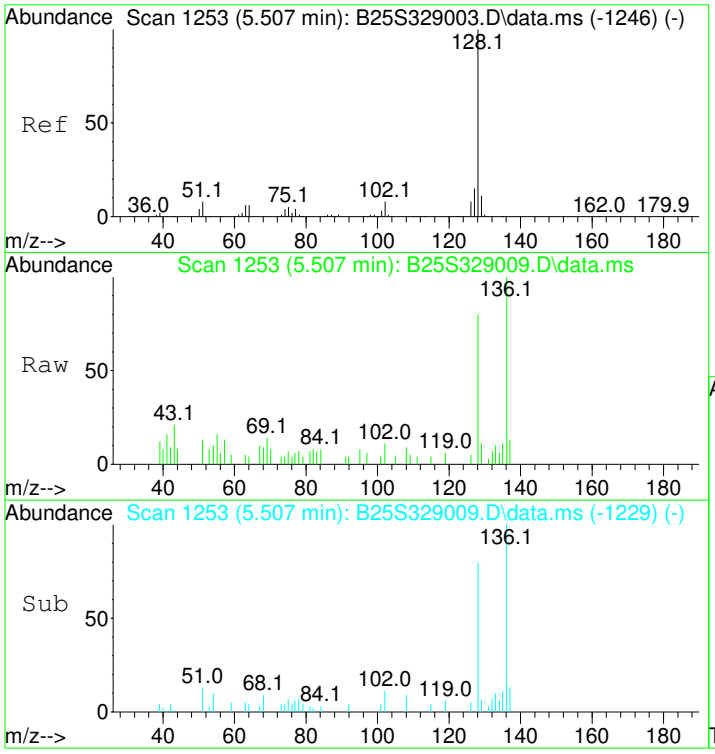


#26
Benzoic Acid
Concen: 0.55 ug/ml
RT: 5.317 min Scan# 1179
Delta R.T. -0.023 min
Lab File: B25S329009.D
Acq: 25 Nov 2025 4:36 pm

Tgt Ion:122 Resp: 653

Ion	Ratio	Lower	Upper
122	100		
105	137.5	95.4	135.4#
77	157.0	64.2	104.2#

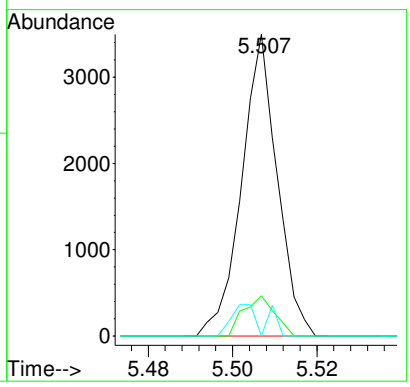


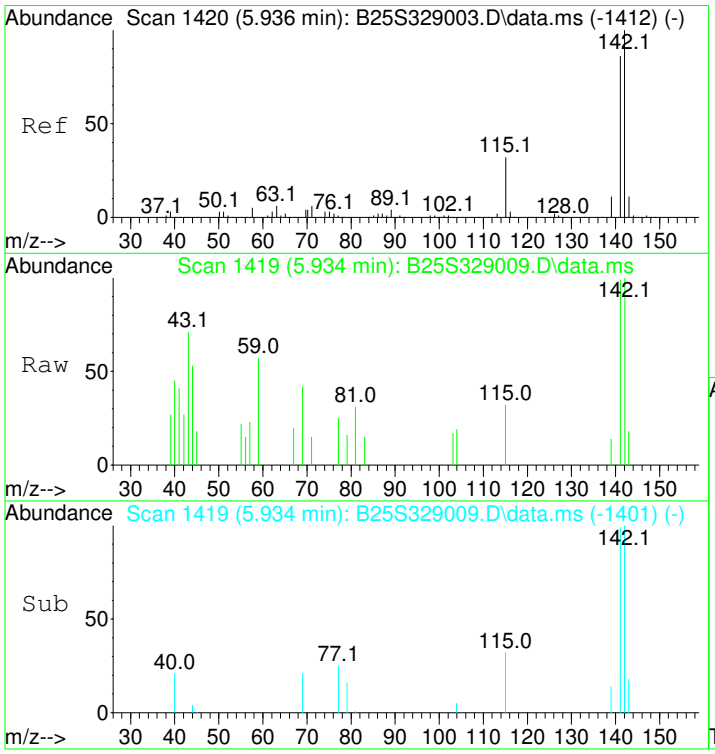


#29
Naphthalene
Concen: 0.31 ug/ml
RT: 5.507 min Scan# 1253
Delta R.T. -0.010 min
Lab File: B25S329009.D
Acq: 25 Nov 2025 4:36 pm

Tgt Ion:128 Resp: 2039

Ion	Ratio	Lower	Upper
128	100		
129	11.7	0.0	31.1
127	9.5	0.0	34.2

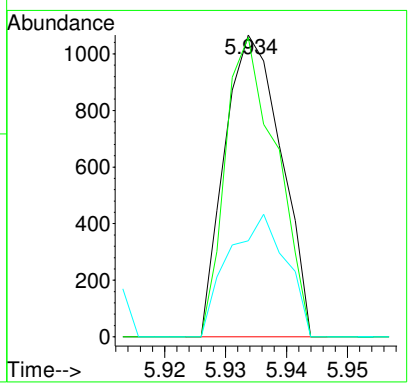


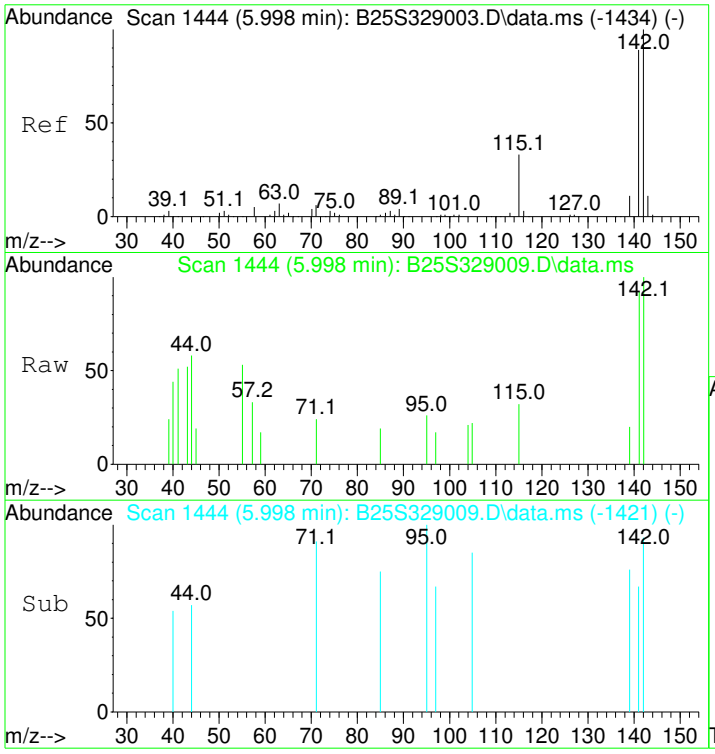


#33
2-MethylNaphthalene
Concen: 0.15 ug/ml
RT: 5.934 min Scan# 1419
Delta R.T. -0.010 min
Lab File: B25S329009.D
Acq: 25 Nov 2025 4:36 pm

Tgt Ion:142 Resp: 686

Ion	Ratio	Lower	Upper
142	100		
141	89.7	66.6	106.6
115	41.3	12.6	52.6

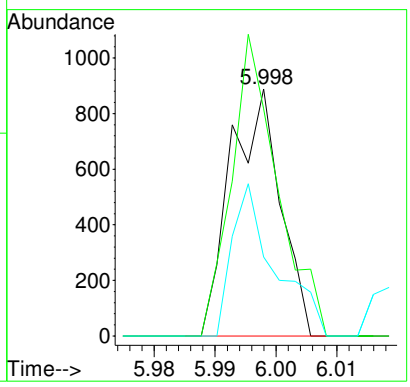


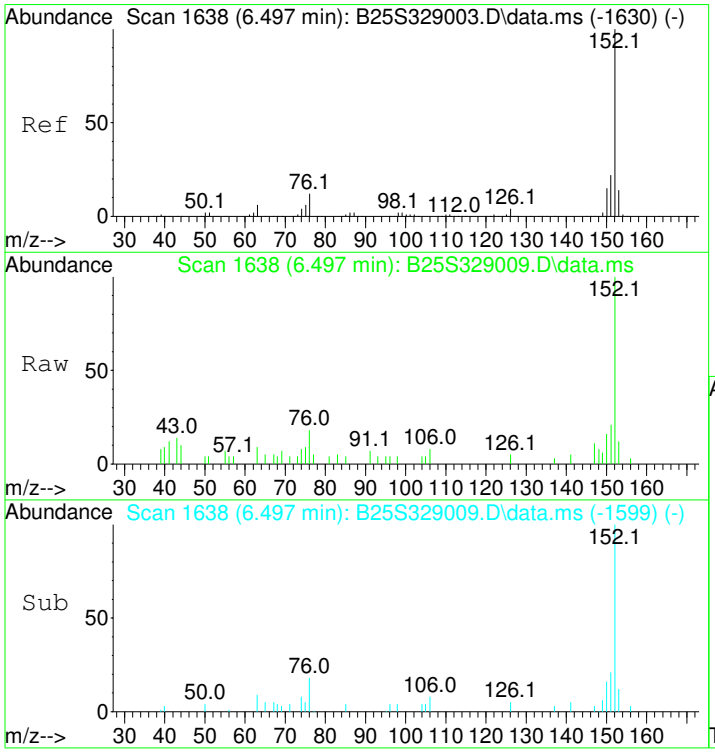


#34
1-Methylnaphthalene
Concen: 0.12 ug/ml
RT: 5.998 min Scan# 1444
Delta R.T. -0.008 min
Lab File: B25S329009.D
Acq: 25 Nov 2025 4:36 pm

Tgt Ion:142 Resp: 506

Ion	Ratio	Lower	Upper
142	100		
141	112.8	69.0	109.0#
115	53.2	14.1	54.1

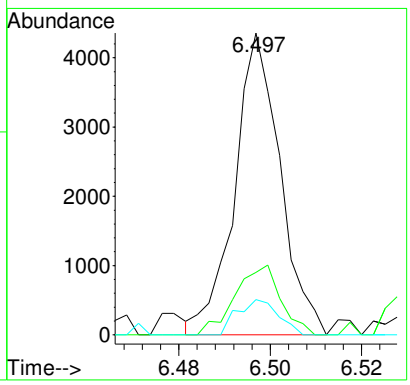


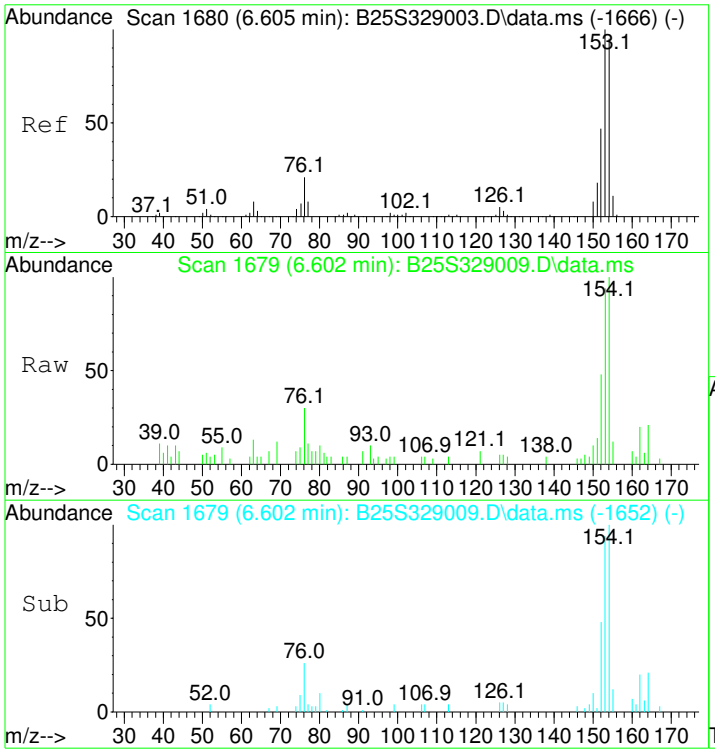


#47
Acenaphthylene
Concen: 0.51 ug/ml
RT: 6.497 min Scan# 1638
Delta R.T. -0.008 min
Lab File: B25S329009.D
Acq: 25 Nov 2025 4:36 pm

Tgt Ion:152 Resp: 3003

Ion	Ratio	Lower	Upper
152	100		
151	23.2	1.0	41.0
153	10.6	0.0	33.1

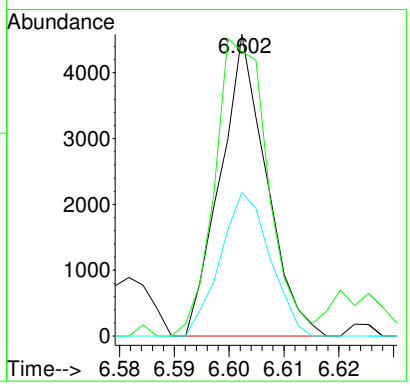


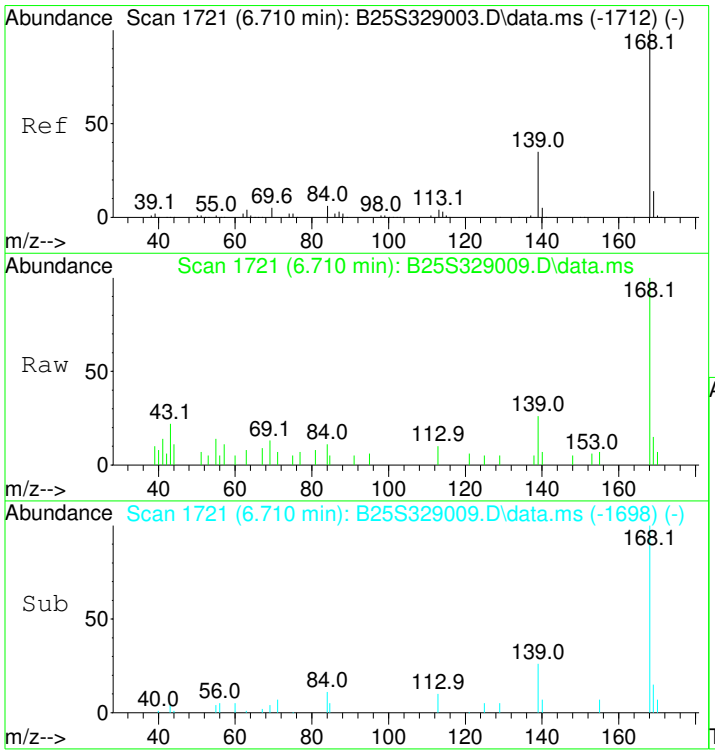


#49
Acenaphthene
Concen: 0.67 ug/ml
RT: 6.602 min Scan# 1679
Delta R.T. -0.010 min
Lab File: B25S329009.D
Acq: 25 Nov 2025 4:36 pm

Tgt Ion:154 Resp: 2672

Ion	Ratio	Lower	Upper
154	100		
153	113.8	77.8	117.8
152	51.6	28.0	68.0

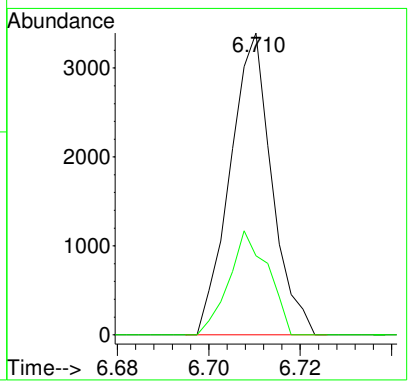


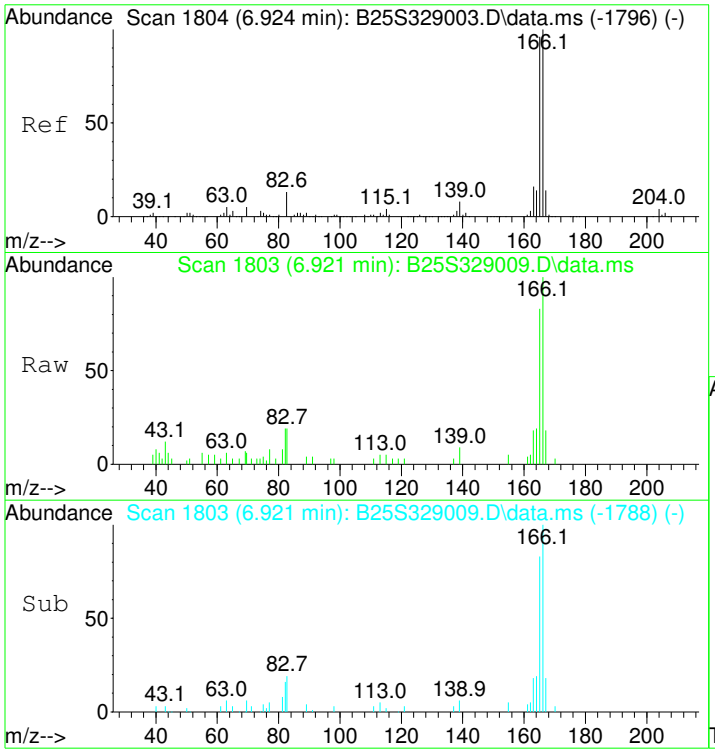


#52
Dibenzofuran
Concen: 0.41 ug/ml
RT: 6.710 min Scan# 1721
Delta R.T. -0.008 min
Lab File: B25S329009.D
Acq: 25 Nov 2025 4:36 pm

Tgt Ion:168 Resp: 2151

Ion	Ratio	Lower	Upper
168	100		
139	32.5	16.8	56.8

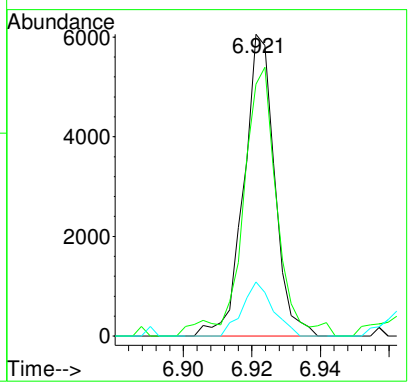


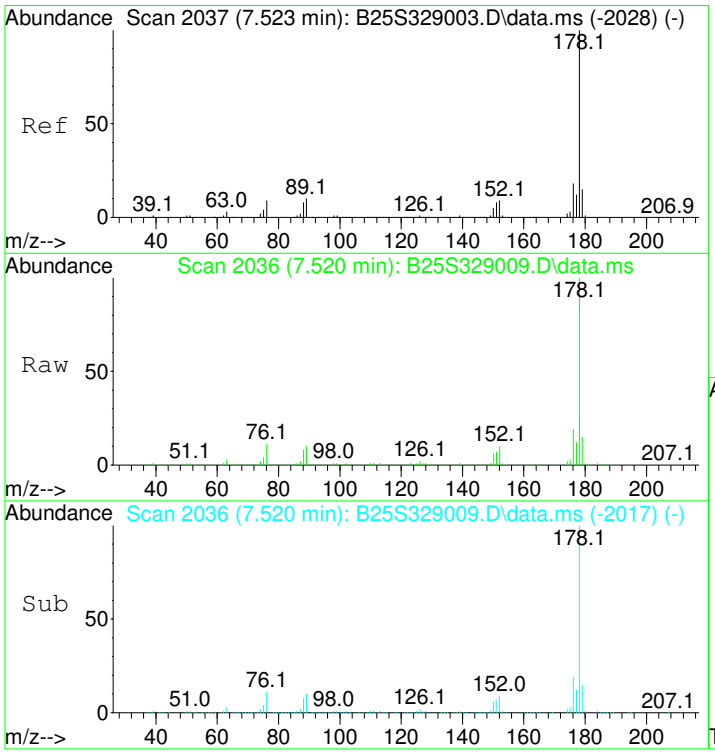


#56
Flourene
Concen: 0.86 ug/ml
RT: 6.921 min Scan# 1803
Delta R.T. -0.010 min
Lab File: B25S329009.D
Acq: 25 Nov 2025 4:36 pm

Tgt Ion:166 Resp: 3769

Ion	Ratio	Lower	Upper
166	100		
165	97.7	71.4	111.4
167	17.8	0.0	33.6

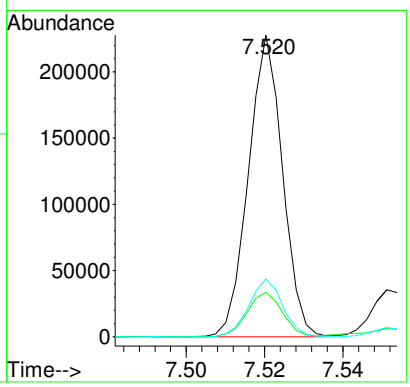


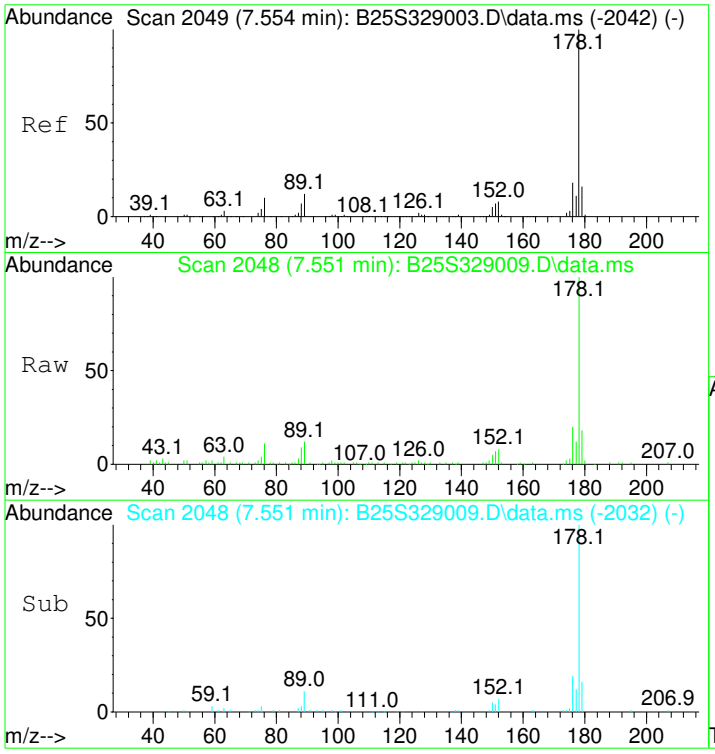


#66
Phenanthrene
Concen: 20.60 ug/ml
RT: 7.520 min Scan# 2036
Delta R.T. -0.008 min
Lab File: B25S329009.D
Acq: 25 Nov 2025 4:36 pm

Tgt Ion:178 Resp: 138253

Ion	Ratio	Lower	Upper
178	100		
179	15.4	0.0	35.5
176	19.1	0.0	39.0

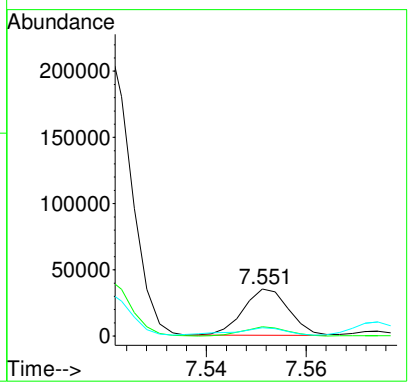


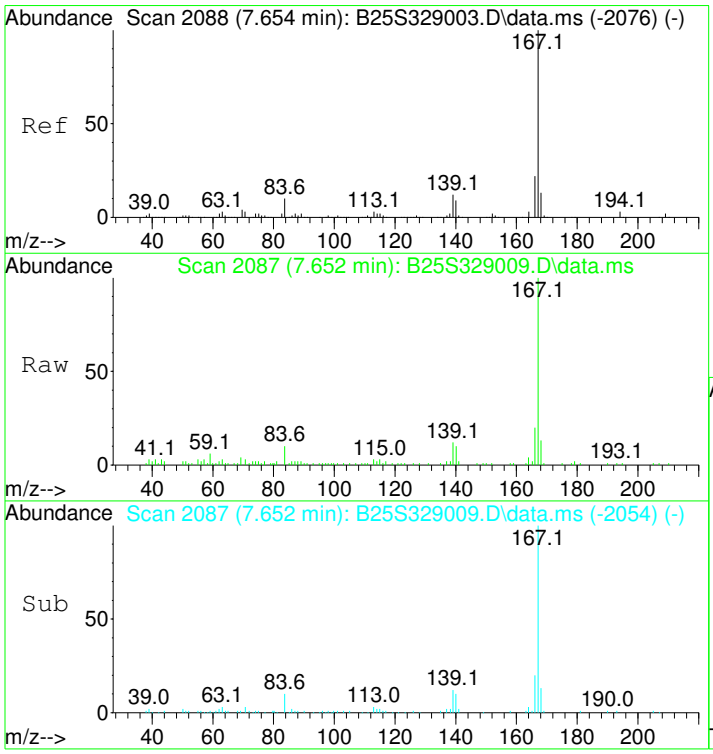


#67
Anthracene
Concen: 3.33 ug/ml
RT: 7.551 min Scan# 2048
Delta R.T. -0.010 min
Lab File: B25S329009.D
Acq: 25 Nov 2025 4:36 pm

Tgt Ion:178 Resp: 22352

Ion	Ratio	Lower	Upper
178	100		
176	20.0	0.0	38.3
179	18.9	0.0	35.5

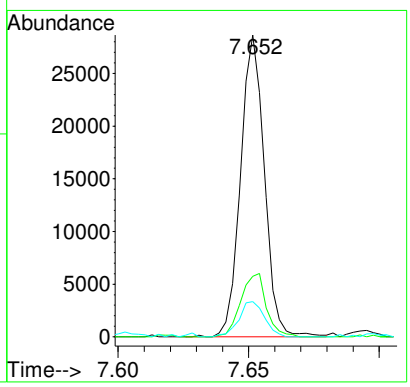


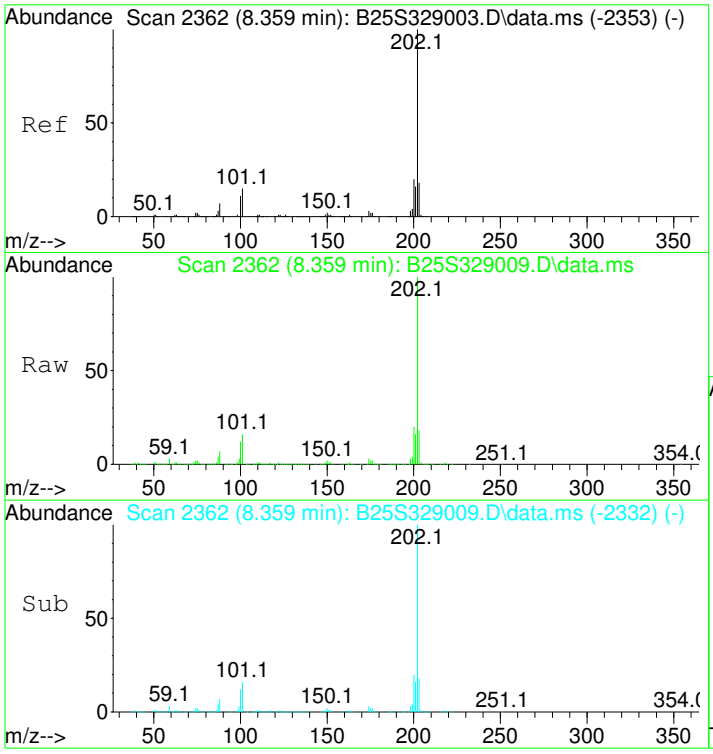


#68
Carbazole
Concen: 2.92 ug/ml
RT: 7.652 min Scan# 2087
Delta R.T. -0.005 min
Lab File: B25S329009.D
Acq: 25 Nov 2025 4:36 pm

Tgt Ion:167 Resp: 18197

Ion	Ratio	Lower	Upper
167	100		
166	22.3	1.9	41.9
139	12.6	0.0	33.5

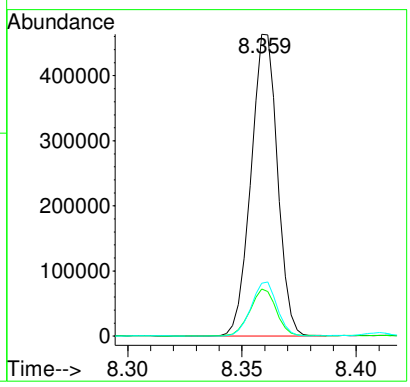


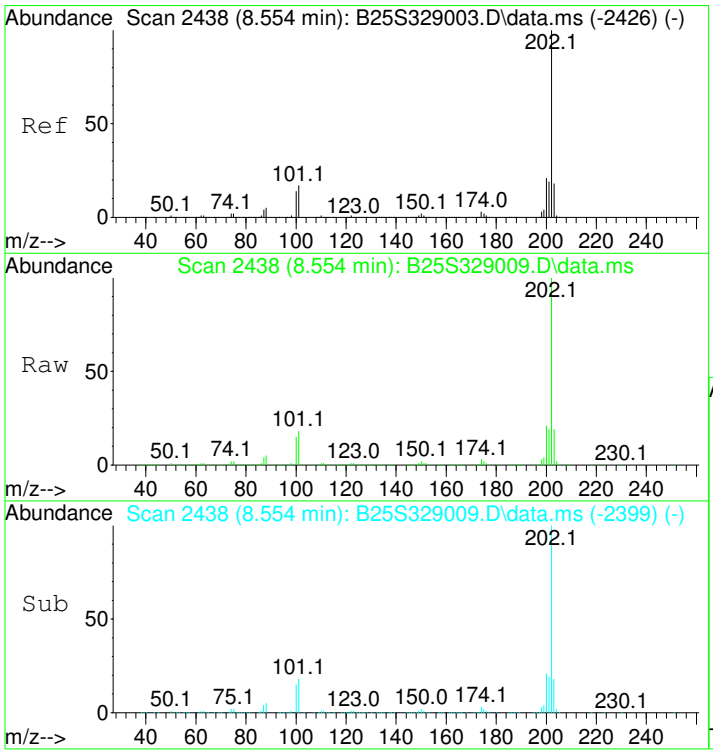


#70
Flouranthene
Concen: 56.36 ug/ml
RT: 8.359 min Scan# 2362
Delta R.T. -0.008 min
Lab File: B25S329009.D
Acq: 25 Nov 2025 4:36 pm

Tgt Ion:202 Resp: 373785

Ion	Ratio	Lower	Upper
202	100		
101	15.5	0.0	36.2
203	17.5	0.0	37.5

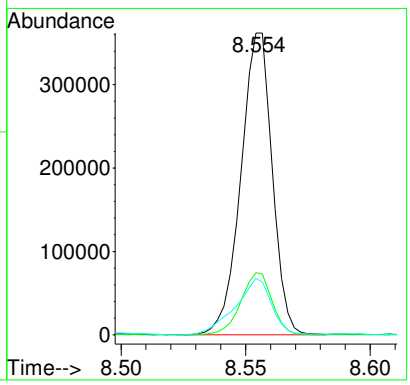


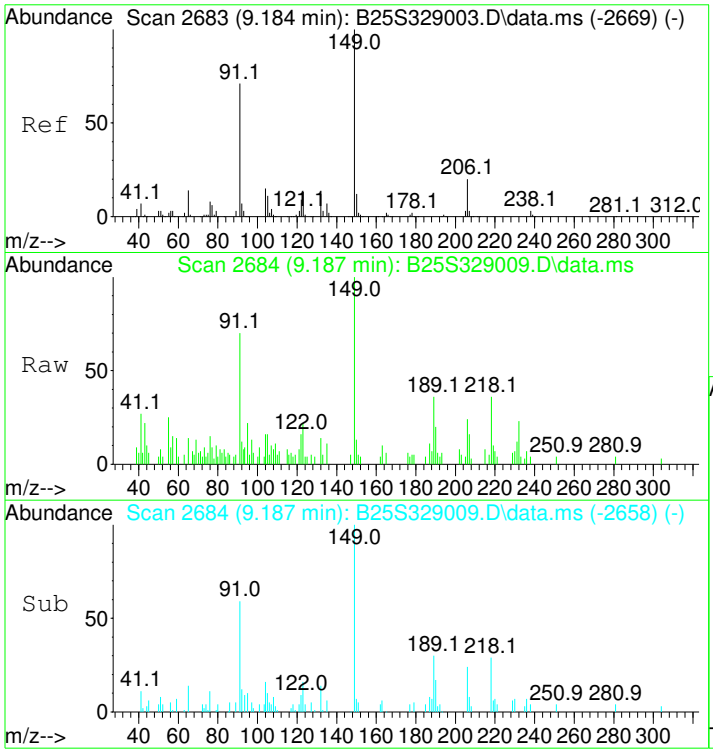


#74
Pyrene
Concen: 36.33 ug/ml
RT: 8.554 min Scan# 2438
Delta R.T. -0.008 min
Lab File: B25S329009.D
Acq: 25 Nov 2025 4:36 pm

Tgt Ion:202 Resp: 317698

Ion	Ratio	Lower	Upper
202	100		
200	20.5	0.1	40.1
203	21.8	0.0	38.1

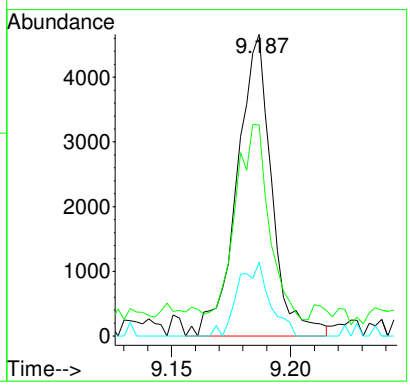


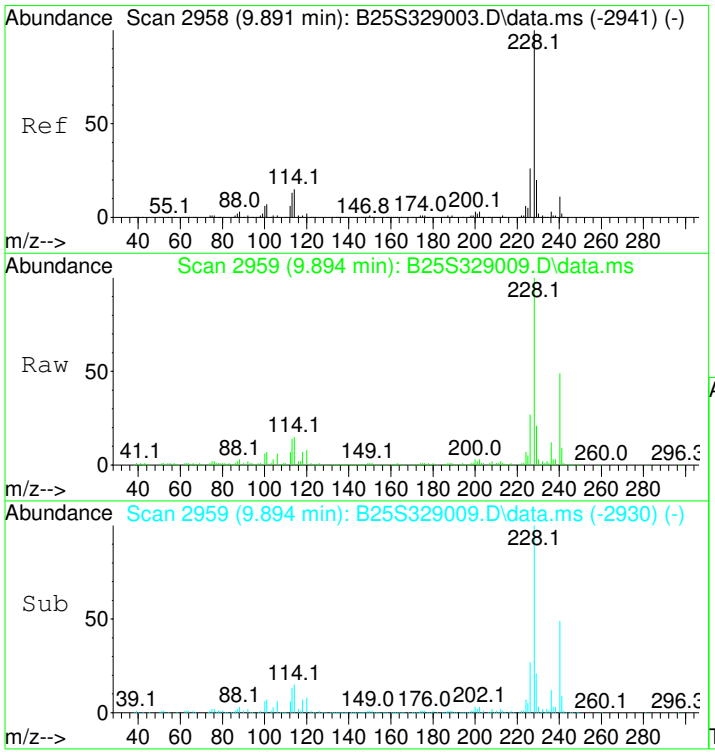


#75
Butylbenzyl phthalate
Concen: 1.48 ug/ml
RT: 9.187 min Scan# 2684
Delta R.T. -0.010 min
Lab File: B25S329009.D
Acq: 25 Nov 2025 4:36 pm

Tgt Ion:149 Resp: 4718

Ion	Ratio	Lower	Upper
149	100		
91	62.0	42.5	82.5
206	22.4	0.2	40.2

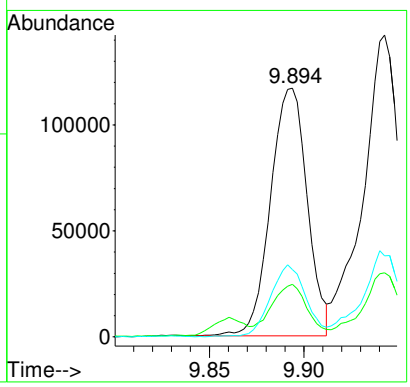


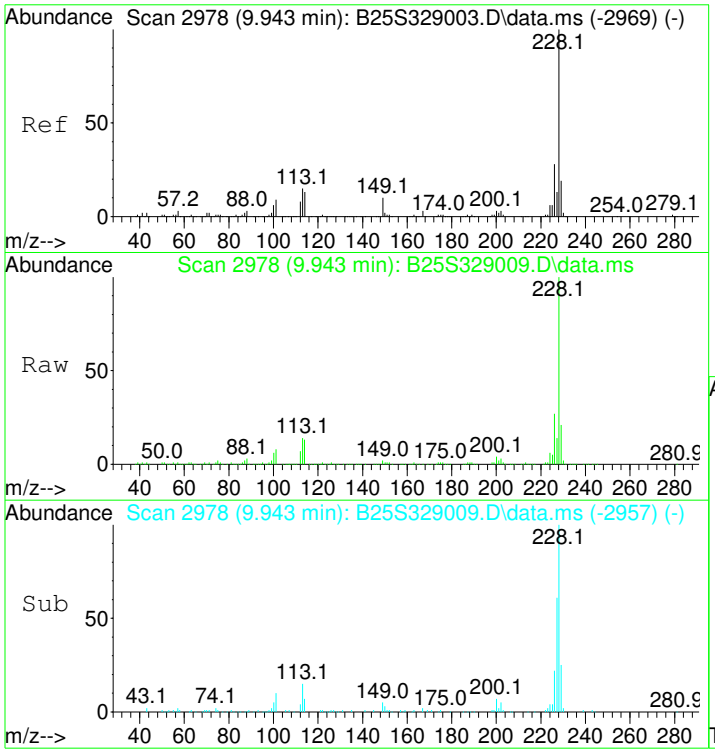


#77
Benzo(a)anthracene
Concen: 19.67 ug/ml
RT: 9.894 min Scan# 2959
Delta R.T. -0.008 min
Lab File: B25S329009.D
Acq: 25 Nov 2025 4:36 pm

Tgt Ion:228 Resp: 158239

Ion	Ratio	Lower	Upper
228	100		
229	19.3	0.0	38.9
226	28.3	4.9	44.9

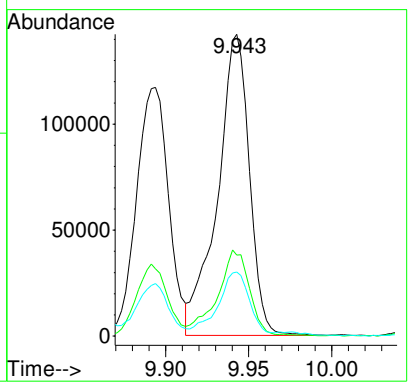


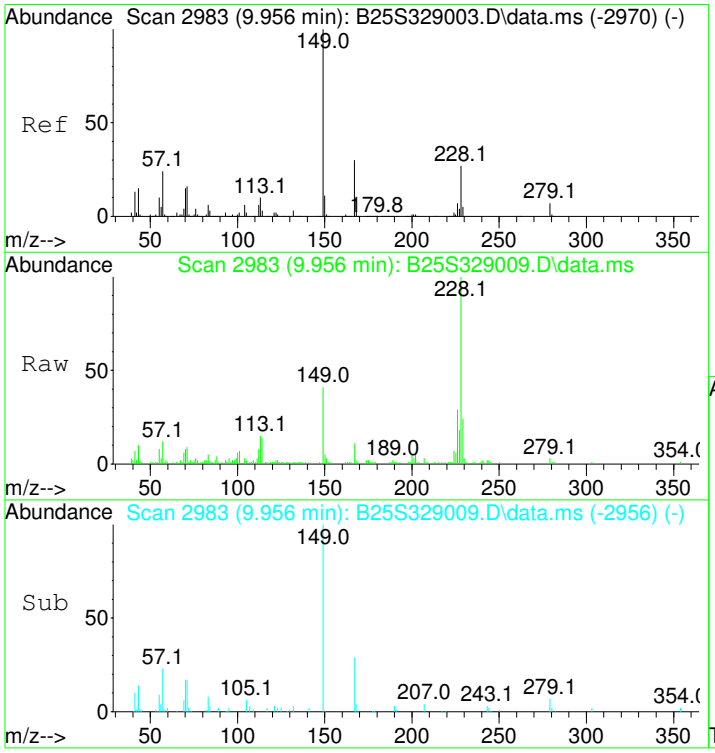


#78
Chrysene
Concen: 23.83 ug/ml
RT: 9.943 min Scan# 2978
Delta R.T. -0.010 min
Lab File: B25S329009.D
Acq: 25 Nov 2025 4:36 pm

Tgt Ion:228 Resp: 189570

Ion	Ratio	Lower	Upper
228	100		
226	28.8	8.1	48.1
229	19.1	0.0	38.9

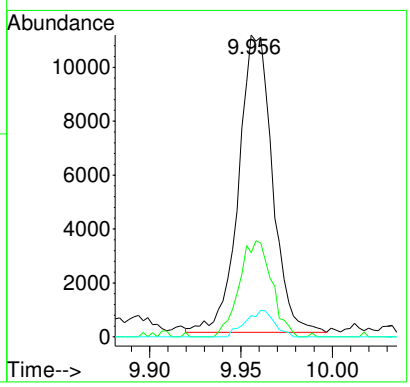


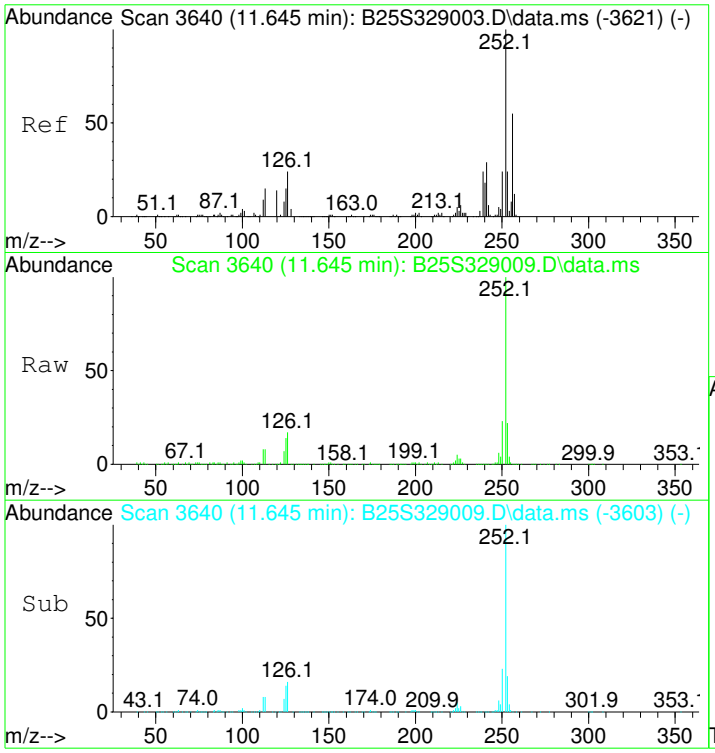


#79
Bis(2-ethylhexyl)phthalate
Concen: 3.89 ug/ml
RT: 9.956 min Scan# 2983
Delta R.T. -0.021 min
Lab File: B25S329009.D
Acq: 25 Nov 2025 4:36 pm

Tgt Ion:149 Resp: 14218

Ion	Ratio	Lower	Upper
149	100		
167	31.0	10.2	50.2
279	7.6	0.0	27.3

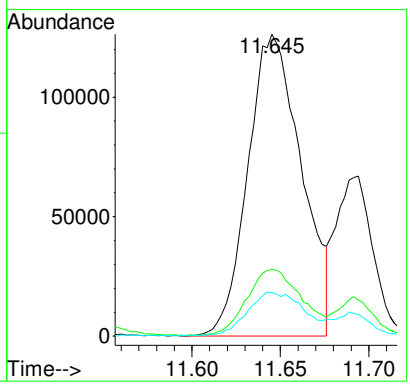


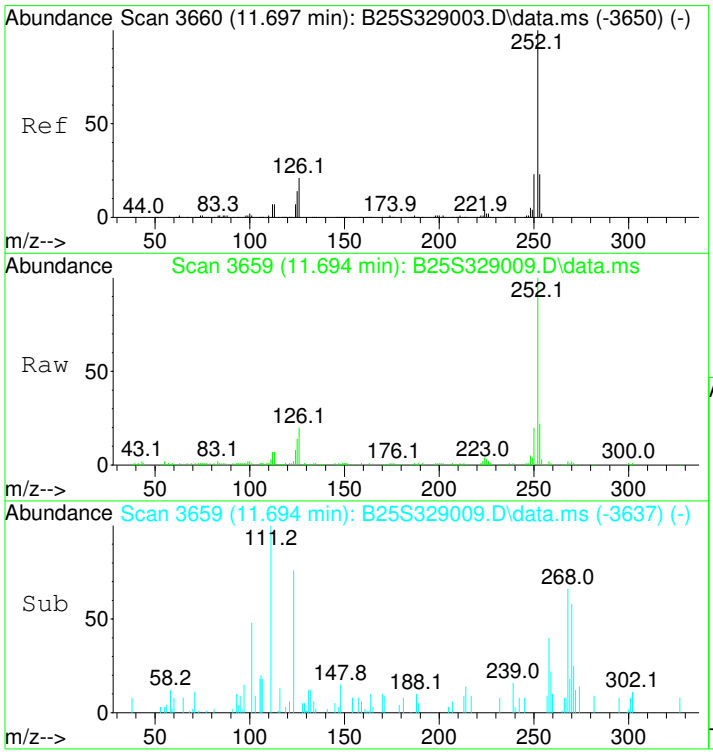


#82
Benzo(b)fluoranthene
Concen: 33.30 ug/ml
RT: 11.645 min Scan# 3640
Delta R.T. -0.008 min
Lab File: B25S329009.D
Acq: 25 Nov 2025 4:36 pm

Tgt Ion:252 Resp: 266538

Ion	Ratio	Lower	Upper
252	100		
253	22.5	2.2	42.2
125	14.8	0.0	34.5

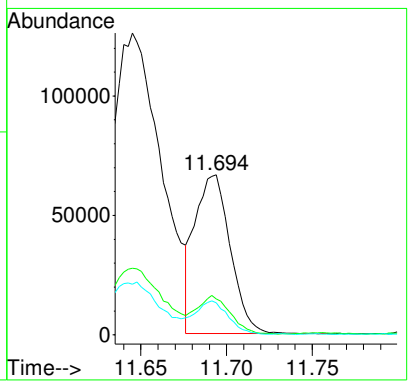


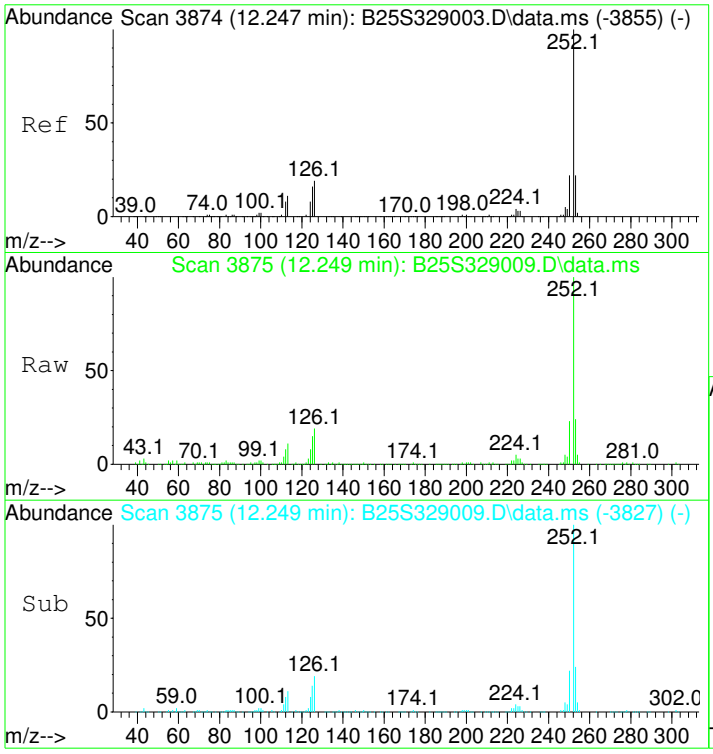


#83
Benzo(k)fluoranthene
Concen: 12.04 ug/ml
RT: 11.694 min Scan# 3659
Delta R.T. -0.010 min
Lab File: B25S329009.D
Acq: 25 Nov 2025 4:36 pm

Tgt Ion:252 Resp: 95660

Ion	Ratio	Lower	Upper
252	100		
253	23.1	0.7	40.7
126	20.1	0.0	39.4

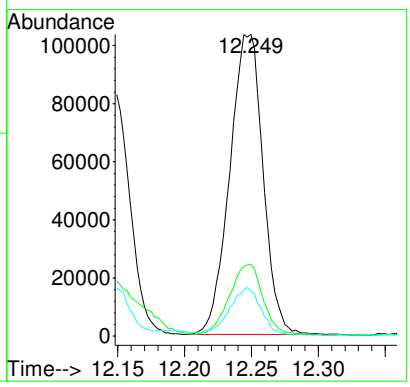


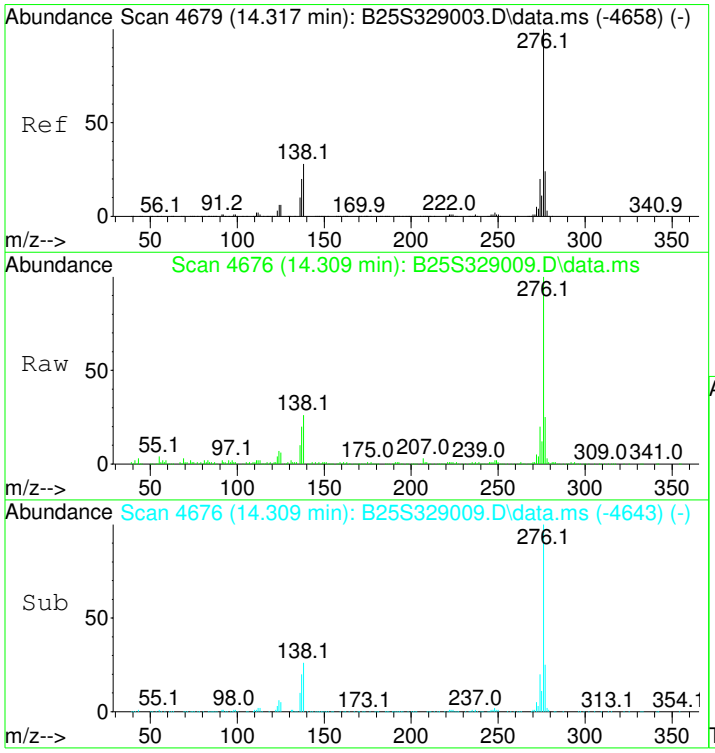


#84
Benzo(a)pyrene
Concen: 24.16 ug/ml
RT: 12.249 min Scan# 3875
Delta R.T. -0.003 min
Lab File: B25S329009.D
Acq: 25 Nov 2025 4:36 pm

Tgt Ion:252 Resp: 179252

Ion	Ratio	Lower	Upper
252	100		
253	23.7	0.4	40.4
125	15.0	0.0	34.0

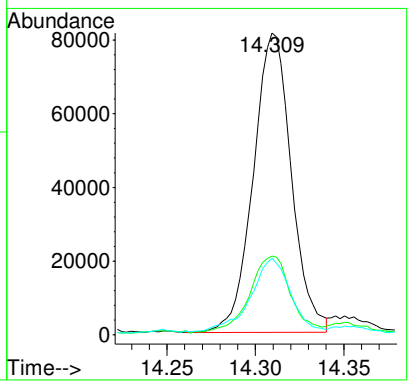


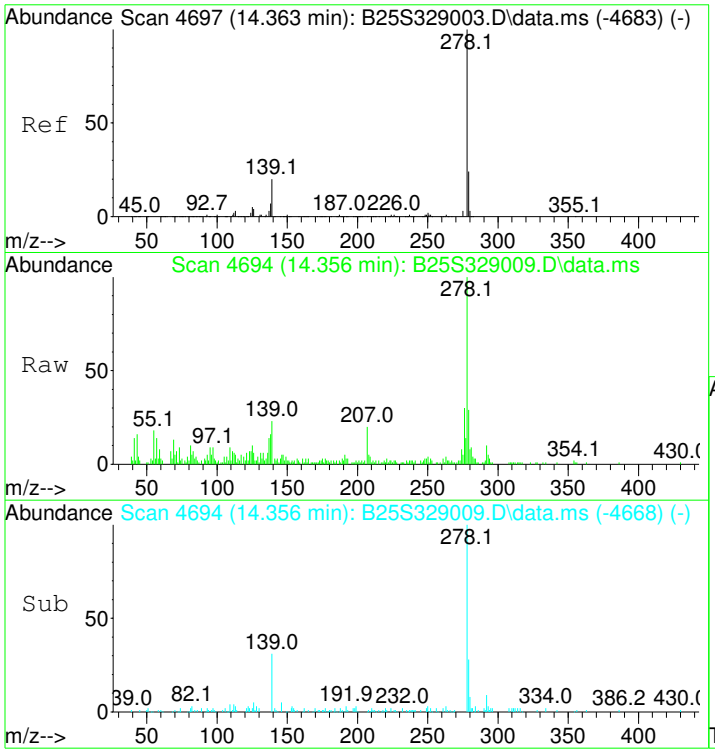


#85
Indeno(1,2,3-cd)pyrene
Concen: 18.46 ug/ml
RT: 14.309 min Scan# 4676
Delta R.T. -0.005 min
Lab File: B25S329009.D
Acq: 25 Nov 2025 4:36 pm

Tgt Ion:276 Resp: 121873

Ion	Ratio	Lower	Upper
276	100		
138	28.0	5.0	45.0
277	26.3	4.1	44.1

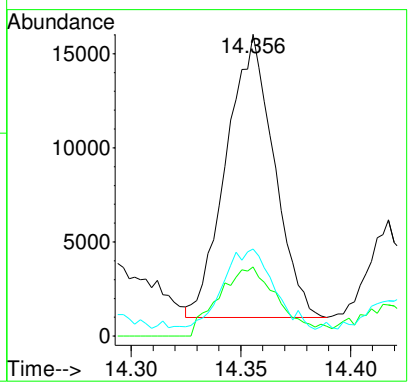


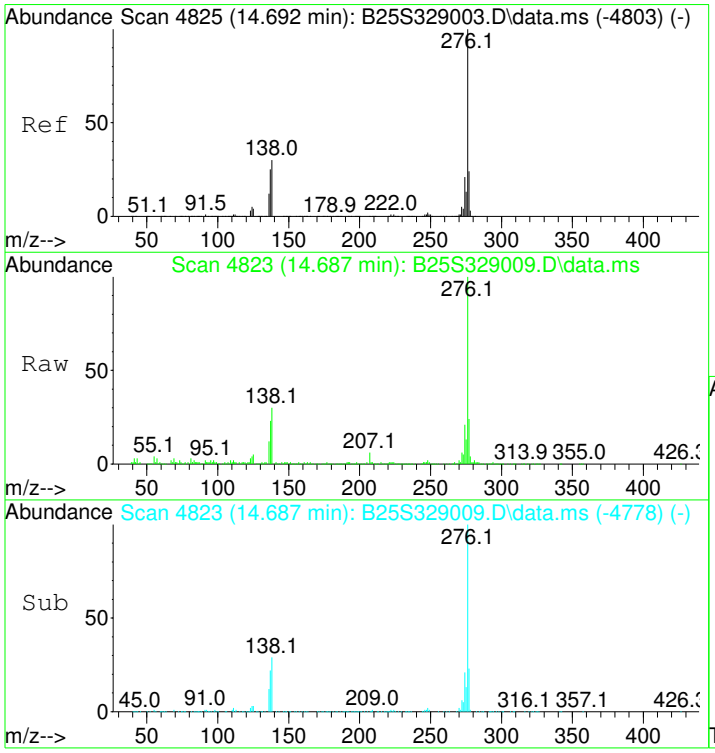


#86
Dibenz(a,h)anthracene
Concen: 3.27 ug/ml
RT: 14.356 min Scan# 4694
Delta R.T. -0.005 min
Lab File: B25S329009.D
Acq: 25 Nov 2025 4:36 pm

Tgt Ion:278 Resp: 22668

Ion	Ratio	Lower	Upper
278	100		
139	31.1	1.1	41.1
279	30.3	3.5	43.5

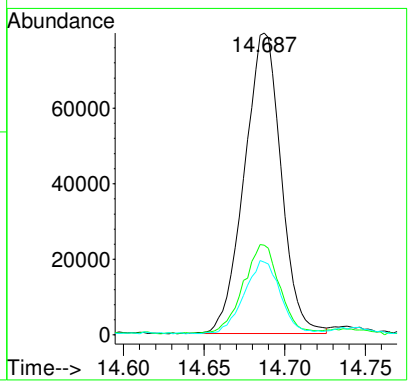


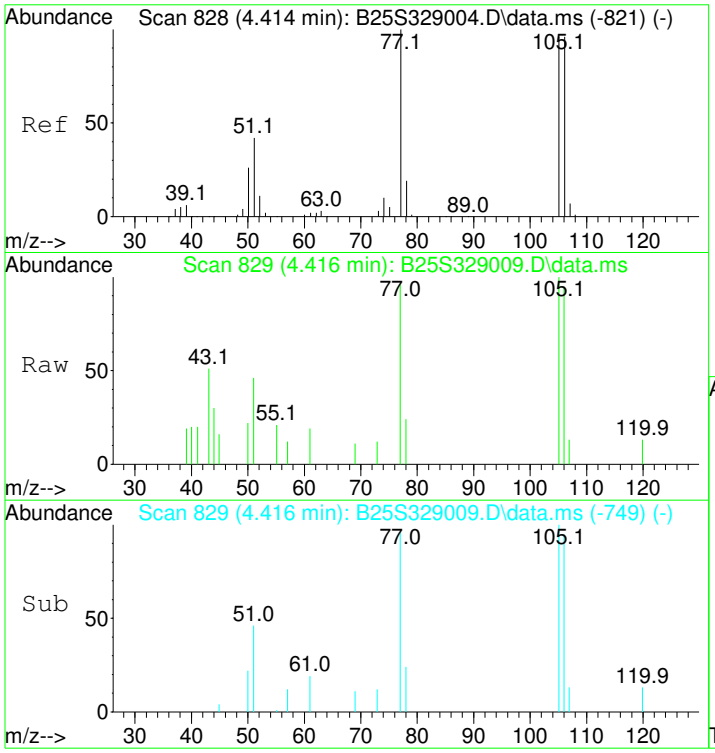


#87
Benzo(g,h,i)perylene
Concen: 17.15 ug/ml
RT: 14.687 min Scan# 4823
Delta R.T. -0.000 min
Lab File: B25S329009.D
Acq: 25 Nov 2025 4:36 pm

Tgt Ion:276 Resp: 125644

Ion	Ratio	Lower	Upper
276	100		
138	28.9	5.6	45.6
277	23.7	3.2	43.2

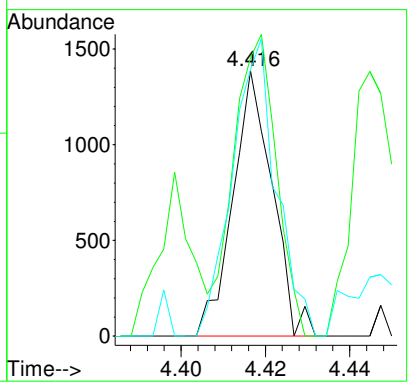




#90
Benzaldehyde
Concen: 0.41 ug/ml
RT: 4.416 min Scan# 829
Delta R.T. 0.004 min
Lab File: B25S329009.D
Acq: 25 Nov 2025 4:36 pm

Tgt Ion:106 Resp: 899

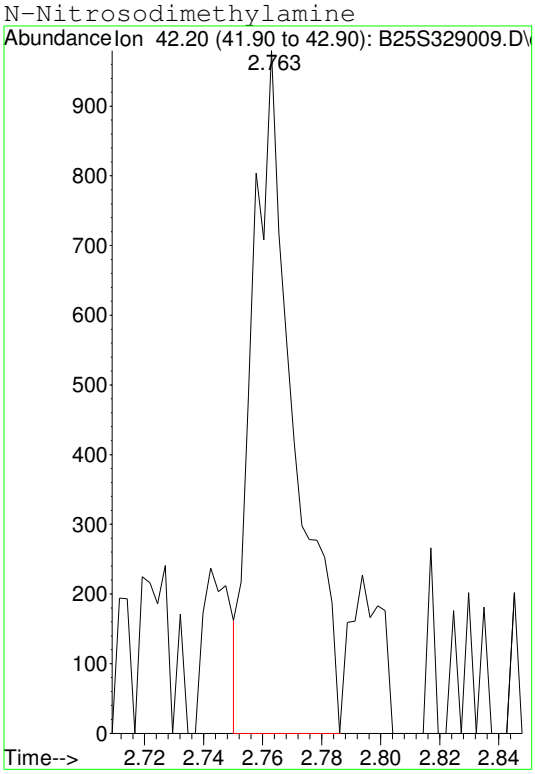
Ion	Ratio	Lower	Upper
106	100		
105	123.6	79.4	119.2#
77	124.8	81.3	121.9#



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329009.D
Acq On : 25 Nov 2025 4:36 pm
Operator : BGL
Sample : 25K1216-02
Misc :

Quant Time : Wed Nov 26 11:31:52 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
N-Nitrosodimethylamine



Original Int. Results

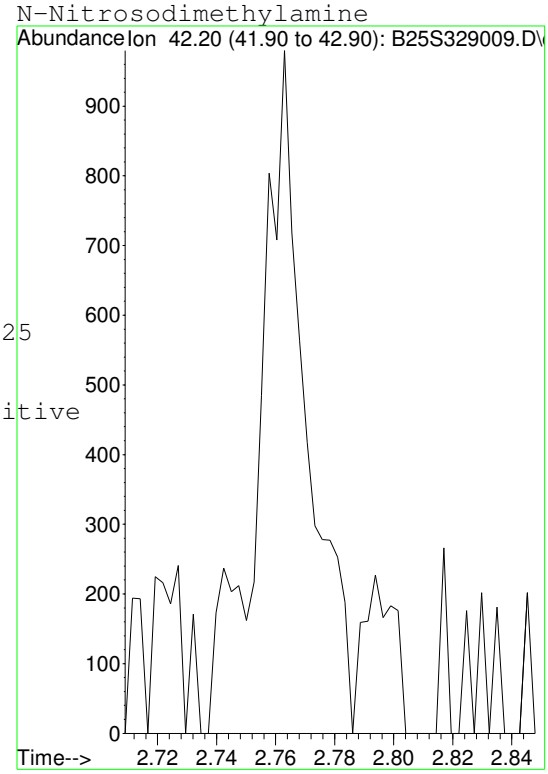
RT : 2.76
Area : 955
Amount: 0.806376

Manual Int. Results

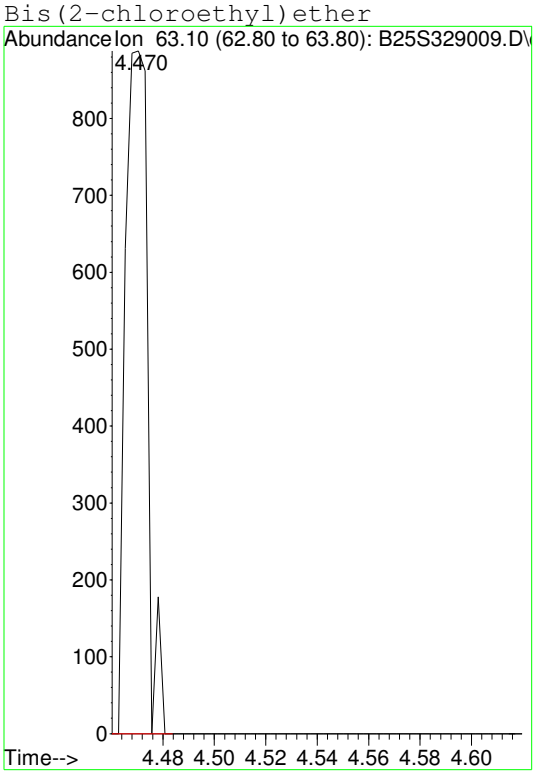
Wed Nov 26 11:30:41 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
N-Nitrosodimethylamine



Original Integration
Bis(2-chloroethyl)ether



Original Int. Results

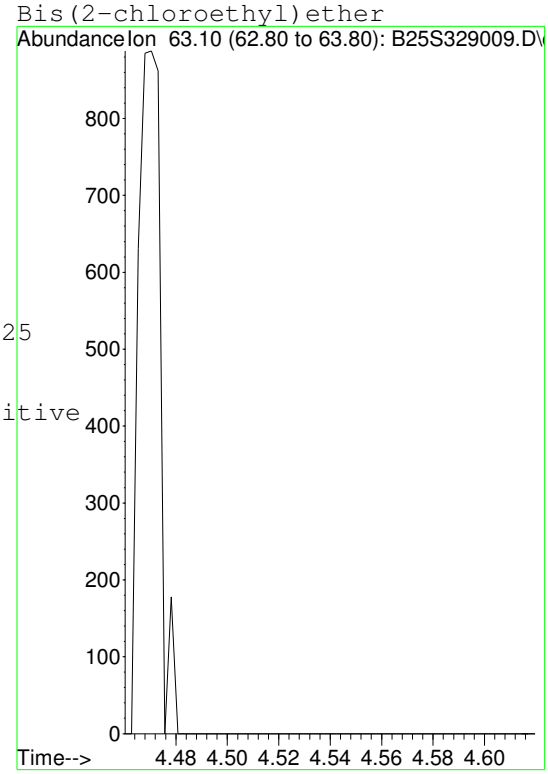
RT : 4.47
Area : 532
Amount: 0.31173

Manual Int. Results

Wed Nov 26 11:30:41 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

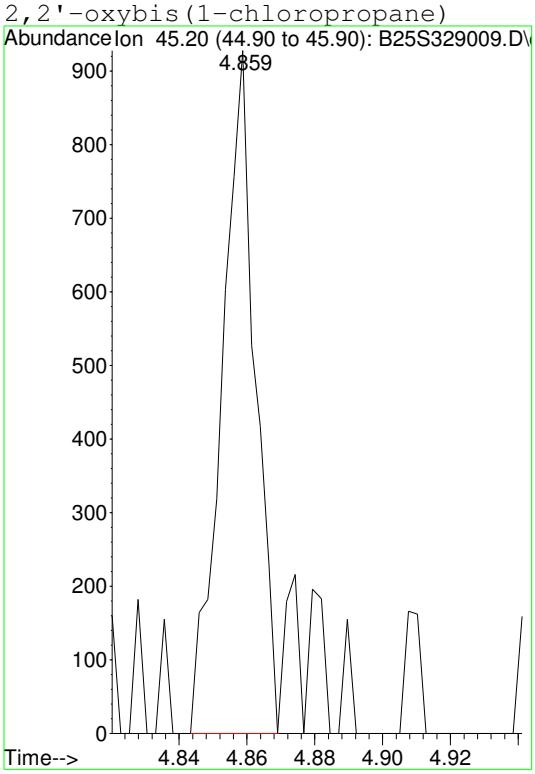
Manual Integration
Bis(2-chloroethyl)ether



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329009.D
Acq On : 25 Nov 2025 4:36 pm
Operator : BGL
Sample : 25K1216-02
Misc :

Quant Time : Wed Nov 26 11:31:52 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
2,2'-oxybis(1-chloropropane)



Original Int. Results

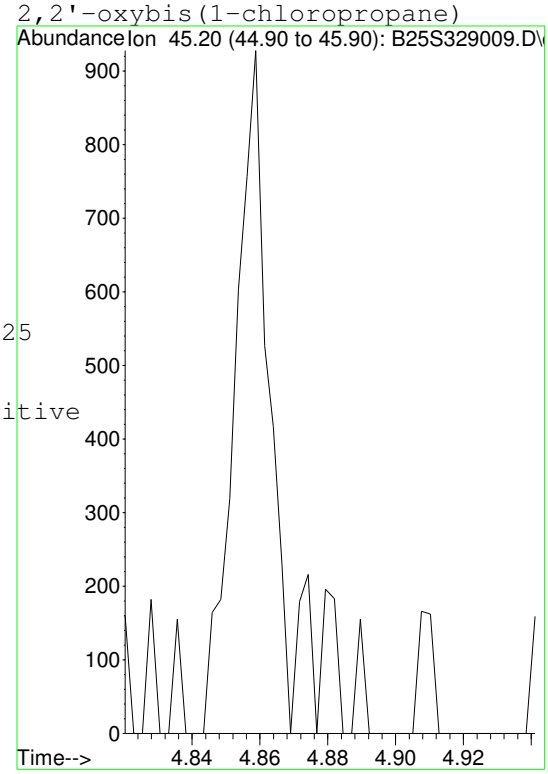
RT : 4.86
Area : 637
Amount: 0.230238

Manual Int. Results

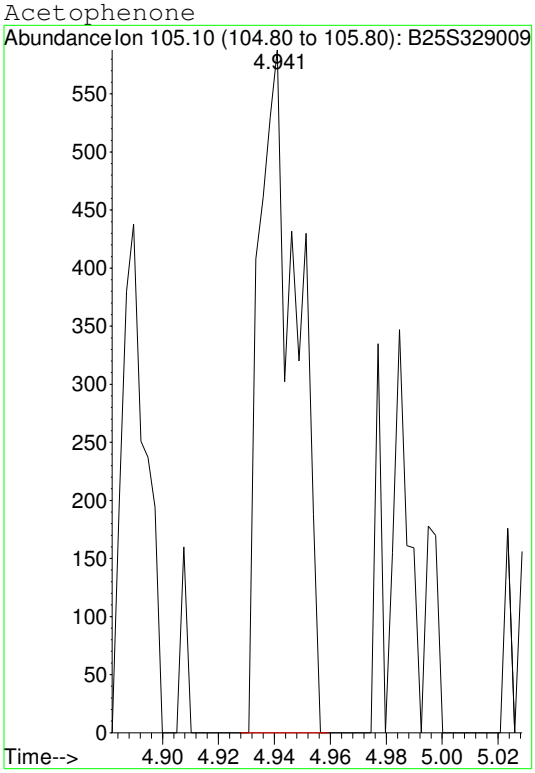
Wed Nov 26 11:30:41 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2,2'-oxybis(1-chloropropane)



Original Integration
Acetophenone



Original Int. Results

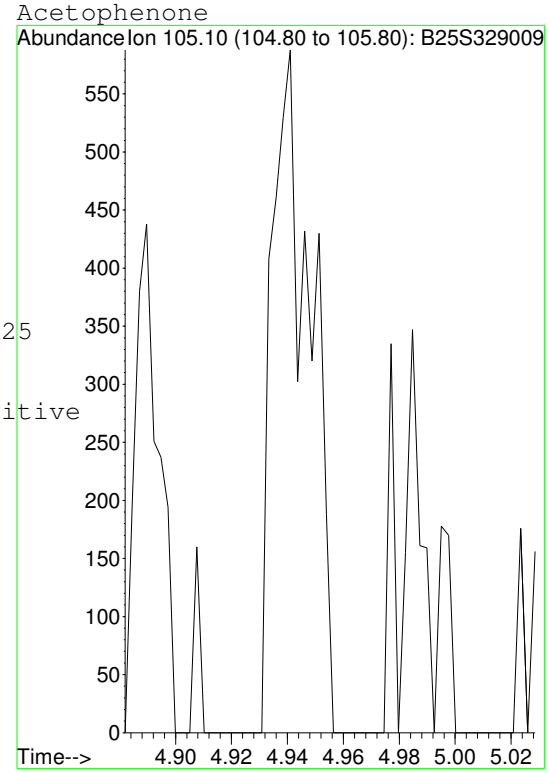
RT : 4.94
Area : 564
Amount: 0.164474

Manual Int. Results

Wed Nov 26 11:30:45 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

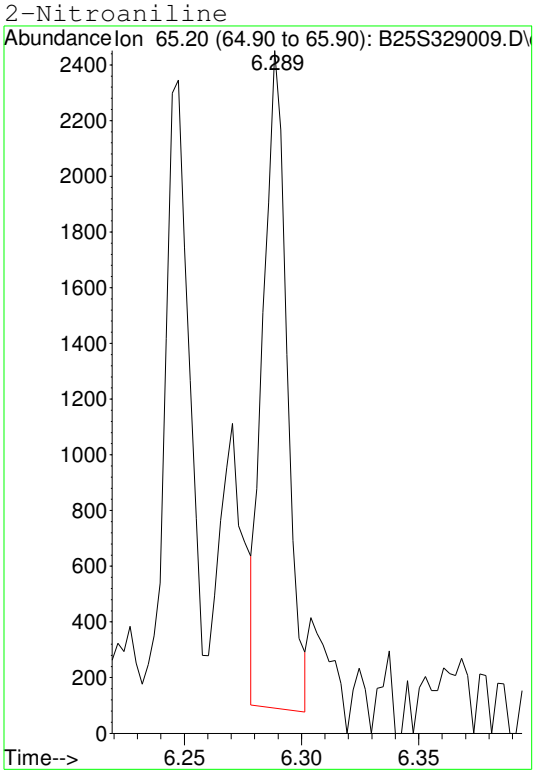
Manual Integration
Acetophenone



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329009.D
Acq On : 25 Nov 2025 4:36 pm
Operator : BGL
Sample : 25K1216-02
Misc :

Quant Time : Wed Nov 26 11:31:52 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
2-Nitroaniline



Original Int. Results

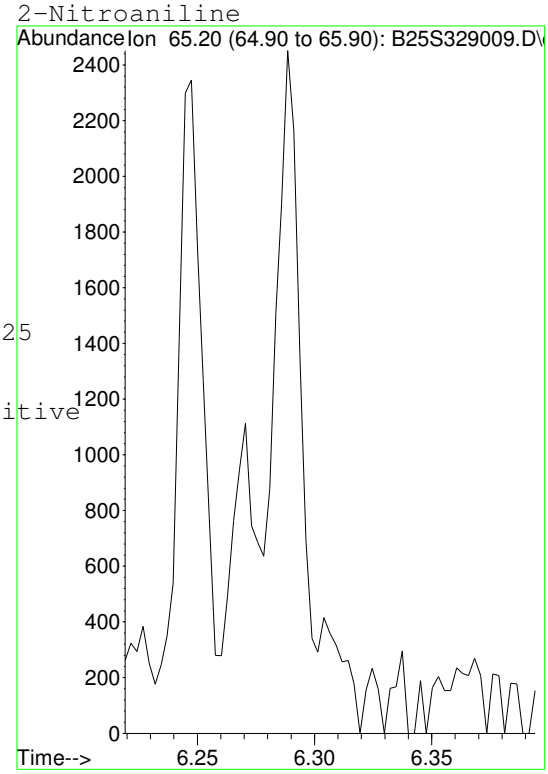
RT : 6.29
Area : 1665
Amount: 1.47061

Manual Int. Results

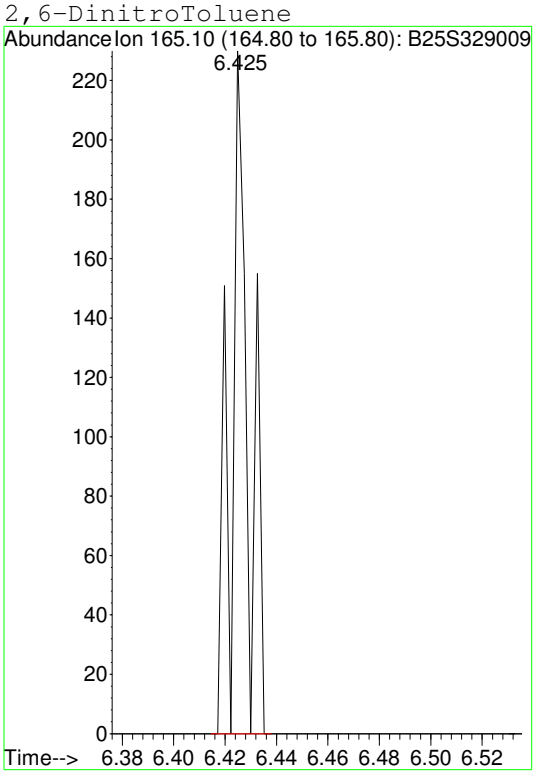
Wed Nov 26 11:31:05 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2-Nitroaniline



Original Integration
2,6-DinitroToluene



Original Int. Results

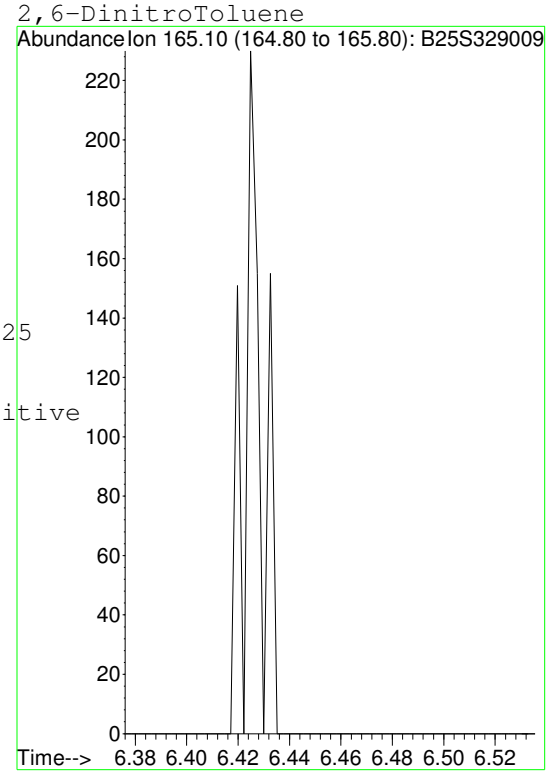
RT : 6.42
Area : 107
Amount: 0.11898

Manual Int. Results

Wed Nov 26 11:31:07 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

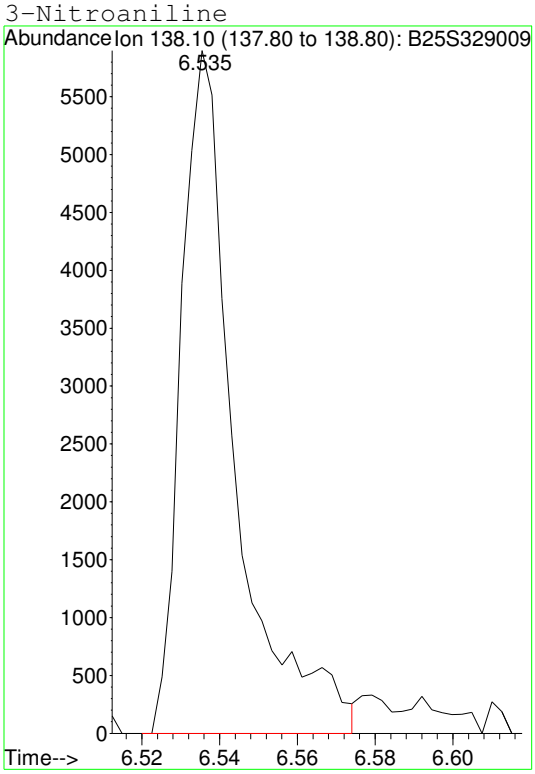
Manual Integration
2,6-DinitroToluene



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329009.D
Acq On : 25 Nov 2025 4:36 pm
Operator : BGL
Sample : 25K1216-02
Misc :

Quant Time : Wed Nov 26 11:31:52 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
3-Nitroaniline



Original Int. Results

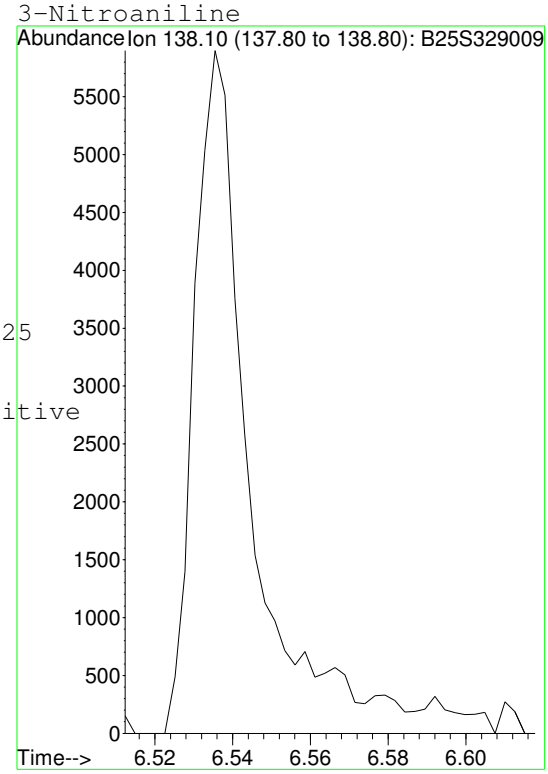
RT : 6.54
Area : 5678
Amount: 5.1104

Manual Int. Results

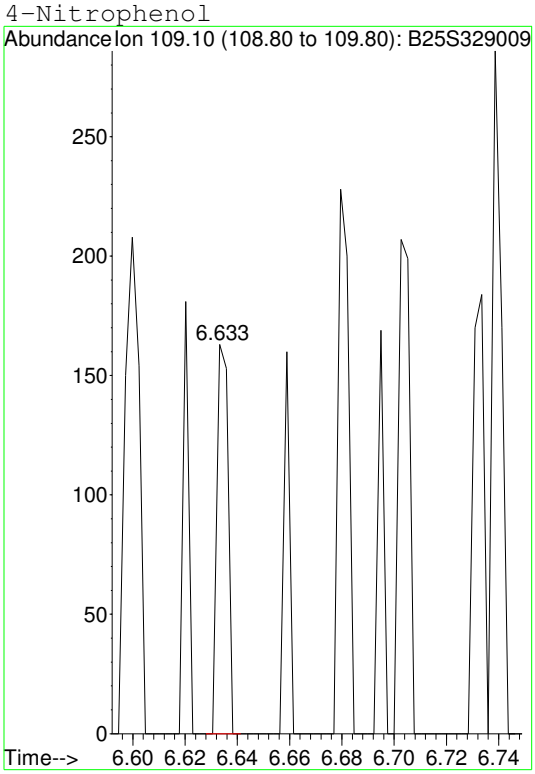
Wed Nov 26 11:21:48 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
3-Nitroaniline



Original Integration
4-Nitrophenol



Original Int. Results

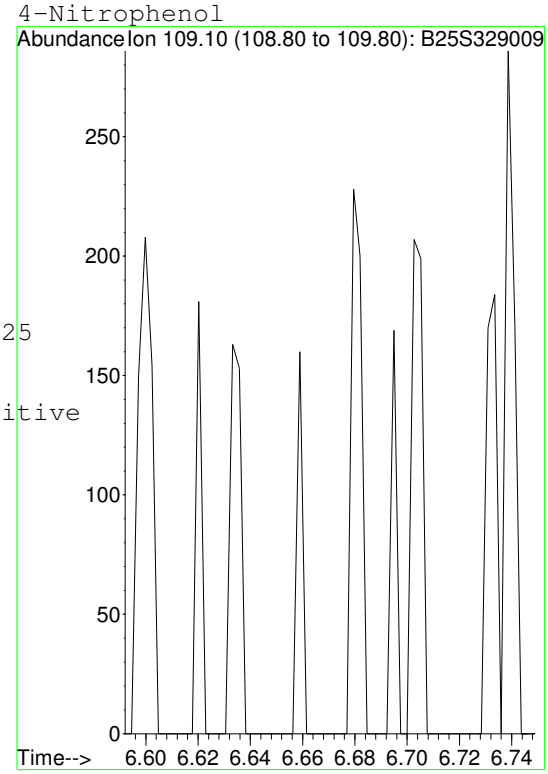
RT : 6.63
Area : 49
Amount: 0.101951

Manual Int. Results

Wed Nov 26 11:31:13 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

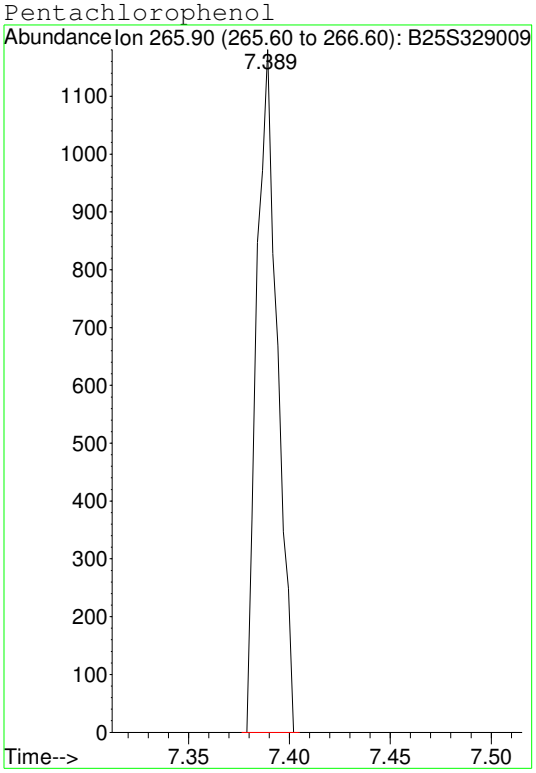
Manual Integration
4-Nitrophenol



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329009.D
Acq On : 25 Nov 2025 4:36 pm
Operator : BGL
Sample : 25K1216-02
Misc :

Quant Time : Wed Nov 26 11:31:52 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Pentachlorophenol



Original Int. Results

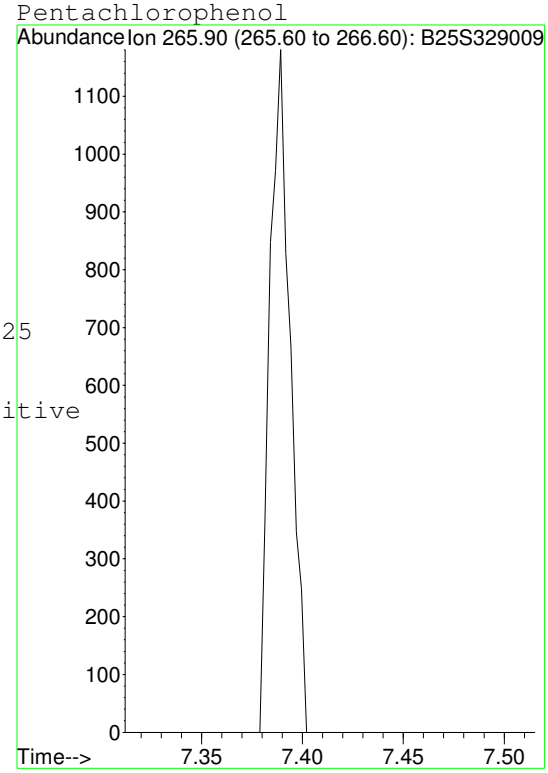
RT : 7.39
Area : 842
Amount: 0.978299

Manual Int. Results

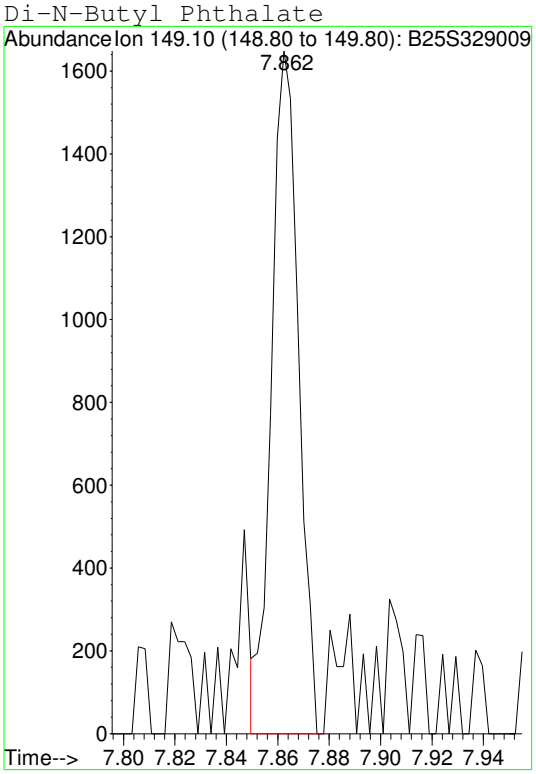
Wed Nov 26 11:31:37 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Pentachlorophenol



Original Integration
Di-N-Butyl Phthalate



Original Int. Results

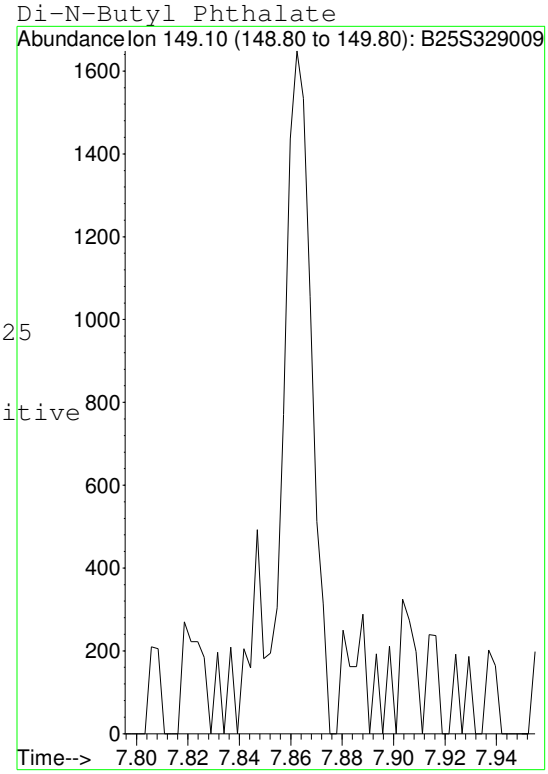
RT : 7.86
Area : 1199
Amount: 0.19686

Manual Int. Results

Wed Nov 26 11:31:51 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Di-N-Butyl Phthalate



1 - FORM I
ANALYSIS DATA SHEET

E-2 (0-2in)

Laboratory:	Pace New England			Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1216-03	File ID:	B25S329010.D
Sampled:	11/17/25 15:50	Prepared:	11/21/25 07:21	Analyzed:	11/25/25 17:01
Solids:	80.98	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.04 g / 1 mL				
Batch:	B417963	Sequence:	S129060	Calibration:	2500833
Instrument:	GCMSSV2				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol		0.059	0.83	
1912-24-9	Atrazine		0.057	0.83	V-06
100-52-7	Benzaldehyde		0.058	0.42	V-34
92-52-4	Biphenyl		0.047	0.083	
105-60-2	Caprolactam		0.072	0.42	
83-32-9	Acenaphthene	0.0066	0.0046	0.041	J
208-96-8	Acenaphthylene	0.012	0.0052	0.041	J
98-86-2	Acetophenone		0.044	0.42	
62-53-3	Aniline		0.079	0.42	V-34
120-12-7	Anthracene	0.031	0.0047	0.041	J
56-55-3	Benzo(a)anthracene	0.23	0.0064	0.041	
50-32-8	Benzo(a)pyrene	0.30	0.014	0.041	
205-99-2	Benzo(b)fluoranthene	0.45	0.010	0.041	
191-24-2	Benzo(g,h,i)perylene	0.22	0.016	0.041	
207-08-9	Benzo(k)fluoranthene	0.16	0.0084	0.041	
111-91-1	Bis(2-chloroethoxy)methane		0.042	0.42	
111-44-4	Bis(2-chloroethyl)ether		0.055	0.42	
108-60-1	2,2'-oxybis(1-Chloropropane)		0.17	0.42	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.057	0.42	V-06
101-55-3	4-Bromophenylphenylether		0.037	0.42	
85-68-7	Butylbenzylphthalate		0.047	0.42	
86-74-8	Carbazole		0.043	0.21	
106-47-8	4-Chloroaniline		0.067	0.81	
59-50-7	4-Chloro-3-methylphenol		0.044	0.81	
91-58-7	2-Chloronaphthalene		0.037	0.42	
95-57-8	2-Chlorophenol		0.037	0.42	
7005-72-3	4-Chlorophenylphenylether		0.038	0.42	
218-01-9	Chrysene	0.29	0.0053	0.041	
53-70-3	Dibenz(a,h)anthracene	0.049	0.018	0.041	

1 - FORM I
ANALYSIS DATA SHEET

E-2 (0-2in)

Laboratory:	Pace New England			Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1216-03	File ID:	B25S329010.D
Sampled:	11/17/25 15:50	Prepared:	11/21/25 07:21	Analyzed:	11/25/25 17:01
Solids:	80.98	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.04 g / 1 mL				
Batch:	B417963	Sequence:	S129060	Calibration:	2500833	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
132-64-9	Dibenzofuran		0.041	0.42	
84-74-2	Di-n-butylphthalate		0.16	0.42	
91-94-1	3,3-Dichlorobenzidine		0.075	0.21	
120-83-2	2,4-Dichlorophenol		0.039	0.42	
84-66-2	Diethylphthalate		0.041	0.42	
105-67-9	2,4-Dimethylphenol		0.086	0.42	
131-11-3	Dimethylphthalate		0.037	0.42	
534-52-1	4,6-Dinitro-2-methylphenol		0.34	0.42	
51-28-5	2,4-Dinitrophenol		0.39	0.81	V-04, V-06
121-14-2	2,4-Dinitrotoluene		0.099	0.42	
606-20-2	2,6-Dinitrotoluene		0.053	0.42	
117-84-0	Di-n-octylphthalate		0.062	0.42	V-06
206-44-0	Fluoranthene	0.51	0.0058	0.041	
86-73-7	Fluorene	0.0090	0.0049	0.041	J
118-74-1	Hexachlorobenzene		0.042	0.42	
87-68-3	Hexachlorobutadiene		0.043	0.42	
77-47-4	Hexachlorocyclopentadiene		0.21	0.42	
67-72-1	Hexachloroethane		0.038	0.42	
193-39-5	Indeno(1,2,3-cd)pyrene	0.24	0.017	0.041	
78-59-1	Isophorone		0.045	0.42	
90-12-0	1-Methylnaphthalene		0.0052	0.041	
91-57-6	2-Methylnaphthalene		0.0047	0.041	
95-48-7	2-Methylphenol		0.053	0.42	
108-39-4/106-4	3/4-Methylphenol		0.068	0.42	
91-20-3	Naphthalene		0.0059	0.041	
88-74-4	2-Nitroaniline		0.064	0.42	
99-09-2	3-Nitroaniline		0.055	0.42	
100-01-6	4-Nitroaniline		0.059	0.42	
98-95-3	Nitrobenzene		0.047	0.42	

1 - FORM I
ANALYSIS DATA SHEET

E-2 (0-2in)

Laboratory:	Pace New England			Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1216-03	File ID:	B25S329010.D
Sampled:	11/17/25 15:50	Prepared:	11/21/25 07:21	Analyzed:	11/25/25 17:01
Solids:	80.98	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.04 g / 1 mL				
Batch:	B417963	Sequence:	S129060	Calibration:	2500833	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
88-75-5	2-Nitrophenol		0.043	0.42	
100-02-7	4-Nitrophenol		0.16	0.81	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.054	0.42	
621-64-7	N-Nitrosodi-n-propylamine		0.052	0.42	
87-86-5	Pentachlorophenol		0.053	0.42	
85-01-8	Phenanthrene	0.18	0.0042	0.041	
108-95-2	Phenol		0.040	0.42	
129-00-0	Pyrene	0.37	0.0070	0.041	
110-86-1	Pyridine		0.053	0.42	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.040	0.42	
95-95-4	2,4,5-Trichlorophenol		0.042	0.42	
88-06-2	2,4,6-Trichlorophenol		0.037	0.42	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329010.D
Acq On : 25 Nov 2025 5:01 pm
Operator : BGL
Sample : 25K1216-03 Inst : GCMSSV2
Misc :
ALS Vial : 10 Sample Multiplier: 1

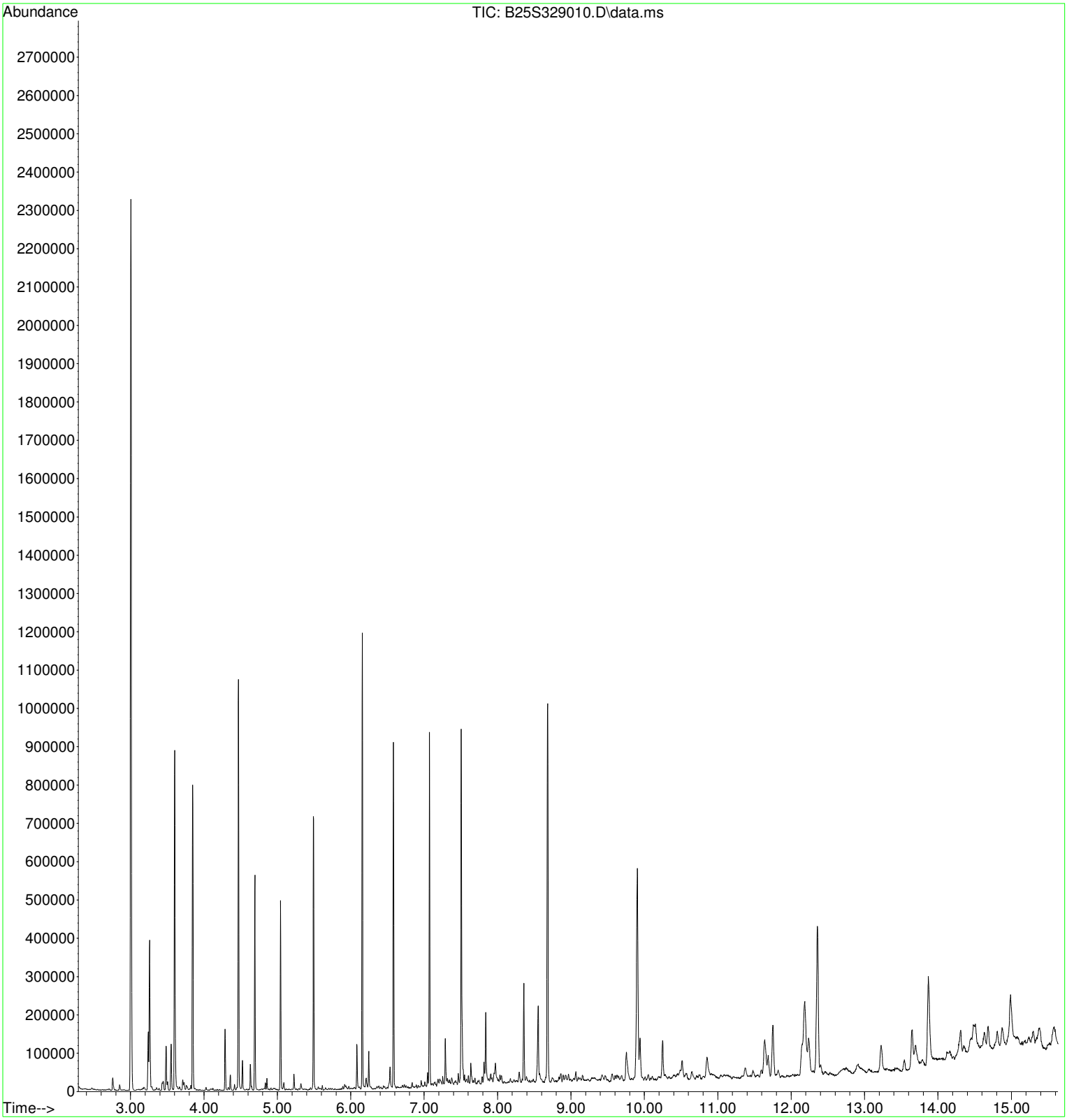
Quant Time: Nov 25 17:17:32 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

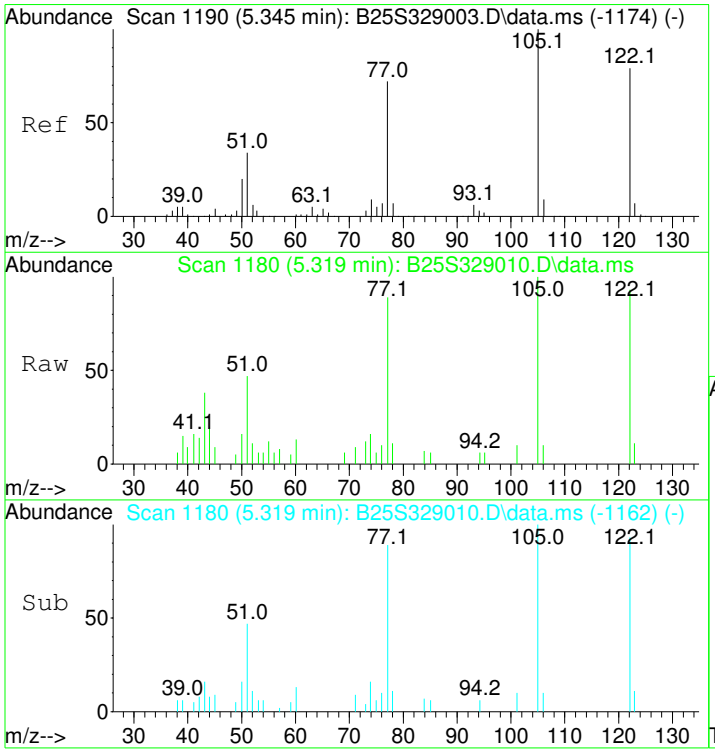
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.694	152	62918	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	5.494	136	232689	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	6.582	164	128797	40.00	ug/ml	-0.01
58) PHENANTHRENE-D10	7.505	188	217740	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.904	240	218291	40.00	ug/ml	-0.01
80) PERYLENE-D12	12.358	264	223563	40.00	ug/ml	0.00
88) 1,4-Dichlorobenzene-D4...	4.694	152	62918	40.00	ug/ml	0.00
92) NAPHTHALENE-d8 (2)	5.494	136	232689	40.00	ug/ml	0.00
95) ACENAPHTHENE-D10 (2)	6.582	164	128797	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	3.846	112	175675	99.94	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 49.97%			
3) Phenol-d6	4.471	99	283211	97.71	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 48.85%			
20) Nitrobenzene-d5	5.044	82	116558	50.33	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 50.33%			
36) 2-Fluorobiphenyl	6.158	172	234825	55.23	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 55.23%			
37) 2,4,6-Tribromophenol	7.073	330	70687	123.58	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 61.79%			
72) p-Terphenyl-d14	8.683	244	277611	61.41	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 61.41%			
Target Compounds						Qvalue
26) Benzoic Acid	5.319	122	1959	1.71	ug/ml#	78
47) Acenaphthylene	6.497	152	1796	0.29	ug/ml	99
49) Acenaphthene	6.600	154	669	0.16	ug/ml	79
52) Dibenzofuran	6.708	168	650	0.12	ug/ml#	65
56) Flourene	6.921	166	1012	0.22	ug/ml#	74
66) Phenanthrene	7.521	178	30072	4.42	ug/ml	99
67) Anthracene	7.551	178	5162	0.76	ug/ml	98
68) Carbazole	7.652	167	3757	0.59	ug/ml	95
70) Flouranthene	8.359	202	83178	12.37	ug/ml	99
74) Pyrene	8.554	202	72738	9.09	ug/ml	95
77) Benzo(a)anthracene	9.892	228	41638	5.65	ug/ml	96
78) Chrysene	9.940	228	50595	6.95	ug/ml	99
79) Bis(2-ethylhexyl)phtha...	9.956	149	2858m	0.85	ug/ml	
82) Benzo(b)fluoranthene	11.640	252	75183	10.96	ug/ml	94
83) Benzo(k)fluoranthene	11.686	252	26490	3.89	ug/ml	90
84) Benzo(a)pyrene	12.245	252	46889	7.38	ug/ml	91
85) Indeno(1,2,3-cd)pyrene	14.307	276	33145	5.86	ug/ml	93
86) Dibenz(a,h)anthracene	14.353	278	6999	1.18	ug/ml	90
87) Benzo(g,h,i)perylene	14.685	276	34085	5.43	ug/ml	92
90) Benzaldehyde	4.417	106	2161	1.03	ug/ml	91

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

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329010.D
Acq On : 25 Nov 2025 5:01 pm
Operator : BGL
Sample : 25K1216-03 Inst : GCMSSV2
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 25 17:17:32 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

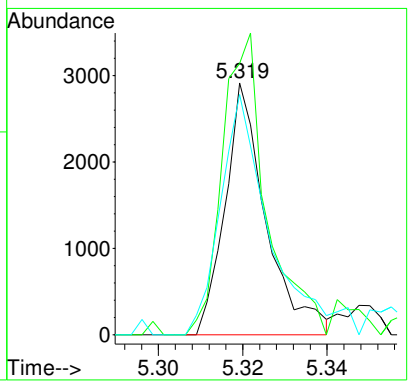


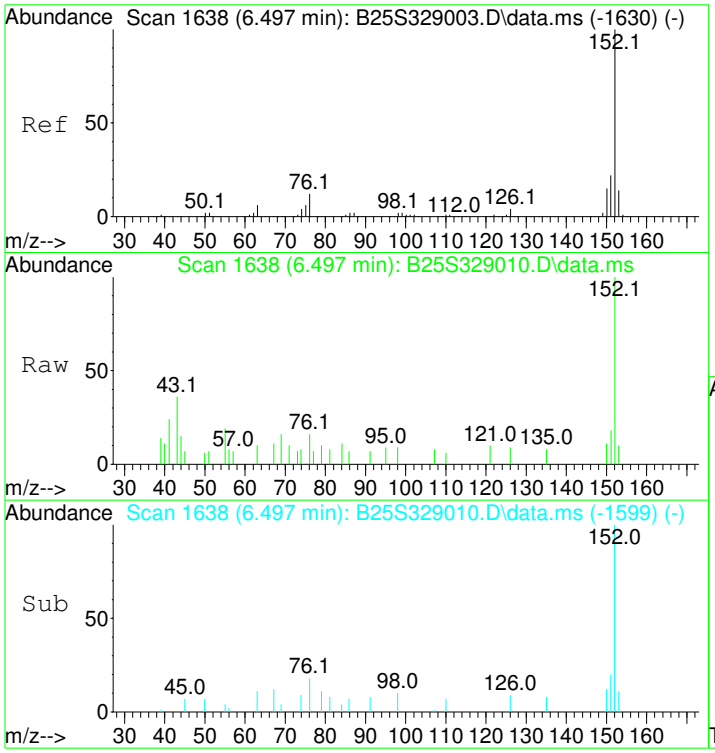


#26
Benzoic Acid
Concen: 1.71 ug/ml
RT: 5.319 min Scan# 1180
Delta R.T. -0.021 min
Lab File: B25S329010.D
Acq: 25 Nov 2025 5:01 pm

Tgt Ion:122 Resp: 1959

Ion	Ratio	Lower	Upper
122	100		
105	129.7	95.4	135.4
77	115.5	64.2	104.2#

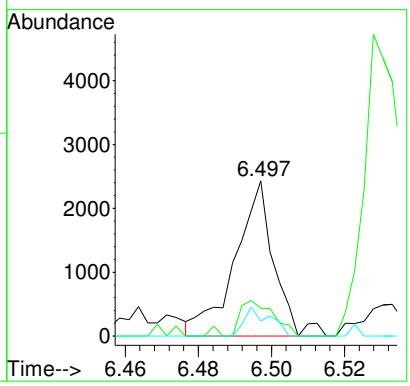


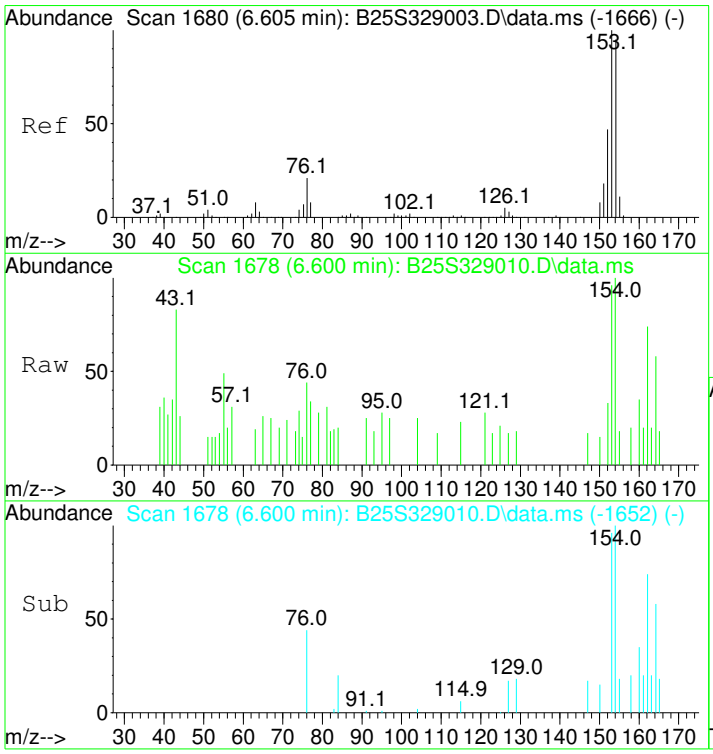


#47
Acenaphthylene
Concen: 0.29 ug/ml
RT: 6.497 min Scan# 1638
Delta R.T. -0.008 min
Lab File: B25S329010.D
Acq: 25 Nov 2025 5:01 pm

Tgt Ion:152 Resp: 1796

Ion	Ratio	Lower	Upper
152	100		
151	21.0	1.0	41.0
153	12.1	0.0	33.1

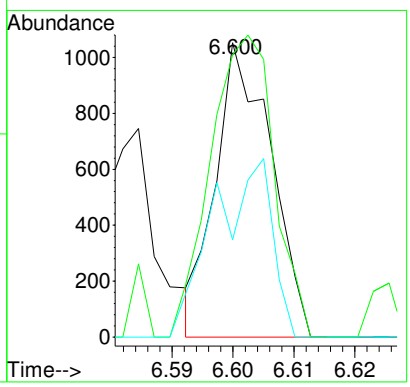


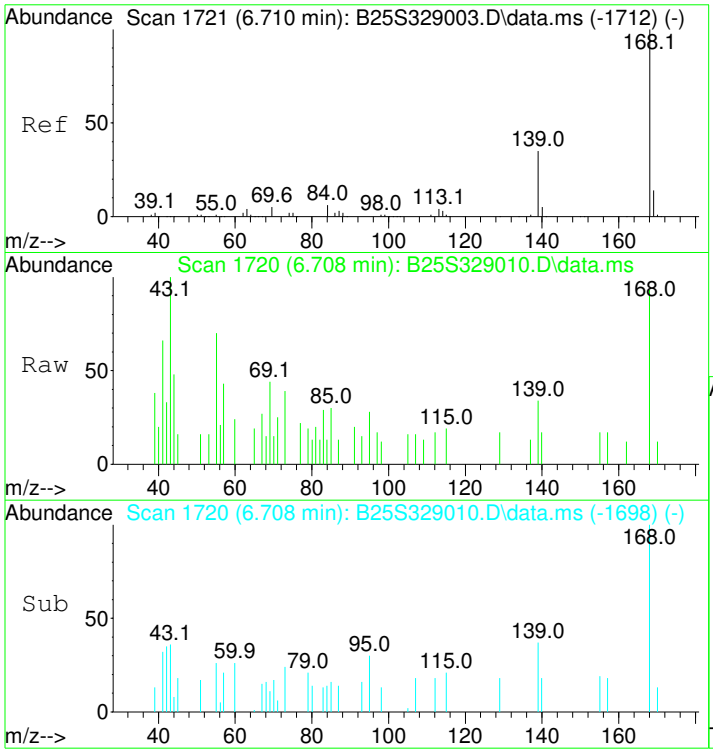


#49
Acenaphthene
Concen: 0.16 ug/ml
RT: 6.600 min Scan# 1678
Delta R.T. -0.013 min
Lab File: B25S329010.D
Acq: 25 Nov 2025 5:01 pm

Tgt Ion:154 Resp: 669

Ion	Ratio	Lower	Upper
154	100		
153	117.8	77.8	117.8
152	63.7	28.0	68.0

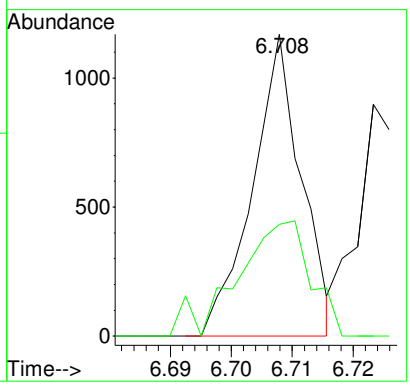


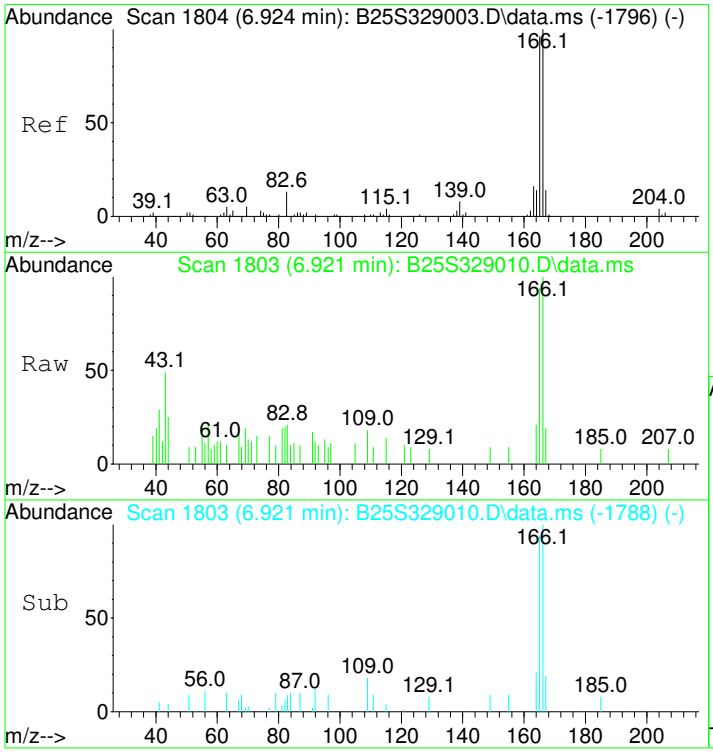


#52
Dibenzofuran
Concen: 0.12 ug/ml
RT: 6.708 min Scan# 1720
Delta R.T. -0.010 min
Lab File: B25S329010.D
Acq: 25 Nov 2025 5:01 pm

Tgt Ion:168 Resp: 650

Ion	Ratio	Lower	Upper
168	100		
139	57.8	16.8	56.8#

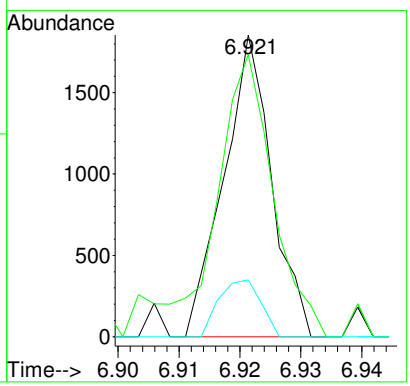


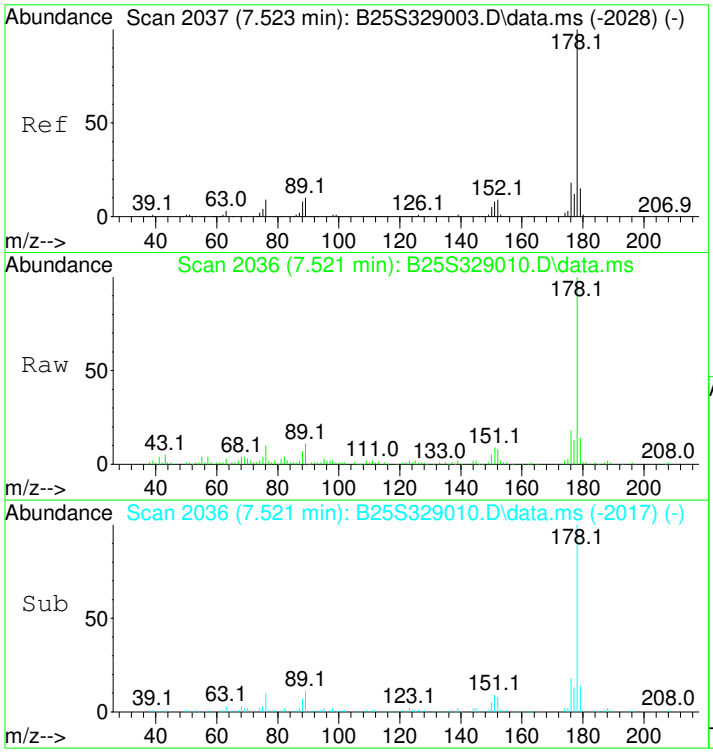


#56
Flourene
Concen: 0.22 ug/ml
RT: 6.921 min Scan# 1803
Delta R.T. -0.010 min
Lab File: B25S329010.D
Acq: 25 Nov 2025 5:01 pm

Tgt Ion:166 Resp: 1012

Ion	Ratio	Lower	Upper
166	100		
165	118.9	71.4	111.4#
167	16.5	0.0	33.6

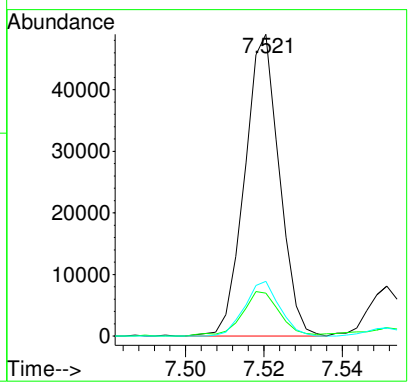


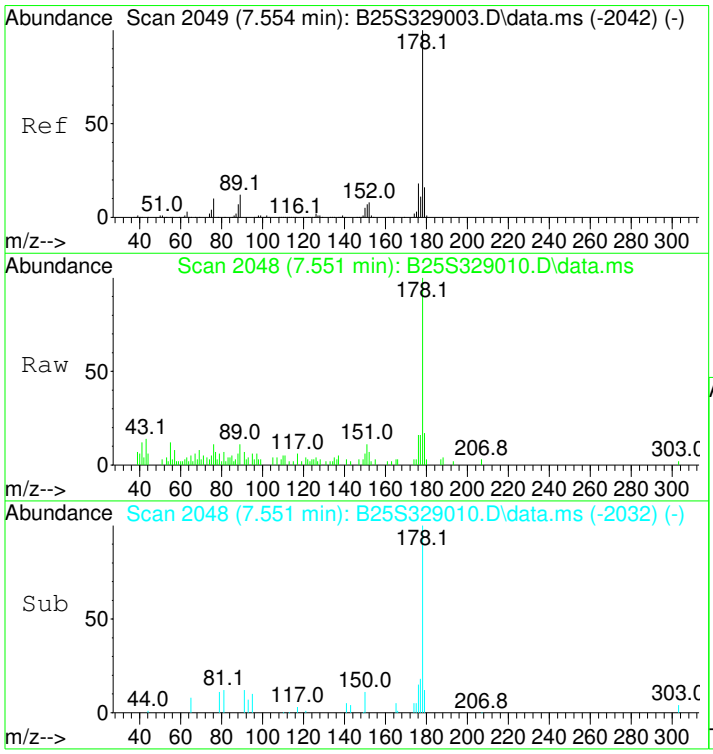


#66
Phenanthrene
Concen: 4.42 ug/ml
RT: 7.521 min Scan# 2036
Delta R.T. -0.008 min
Lab File: B25S329010.D
Acq: 25 Nov 2025 5:01 pm

Tgt Ion:178 Resp: 30072

Ion	Ratio	Lower	Upper
178	100		
179	16.1	0.0	35.5
176	18.4	0.0	39.0

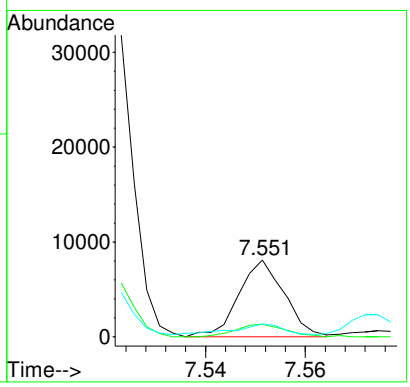


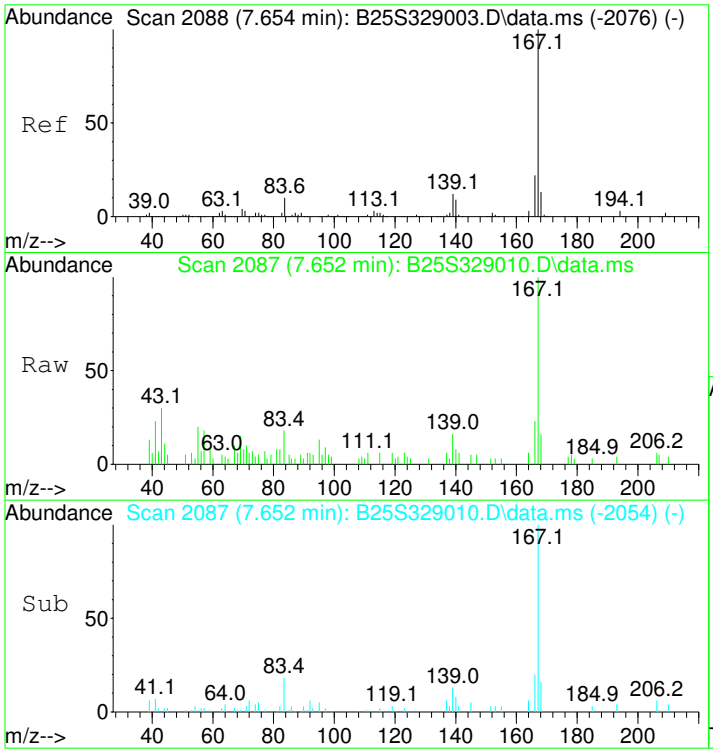


#67
Anthracene
Concen: 0.76 ug/ml
RT: 7.551 min Scan# 2048
Delta R.T. -0.010 min
Lab File: B25S329010.D
Acq: 25 Nov 2025 5:01 pm

Tgt Ion:178 Resp: 5162

Ion	Ratio	Lower	Upper
178	100		
176	18.4	0.0	38.3
179	17.1	0.0	35.5

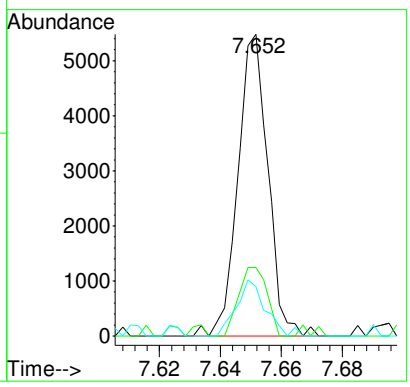


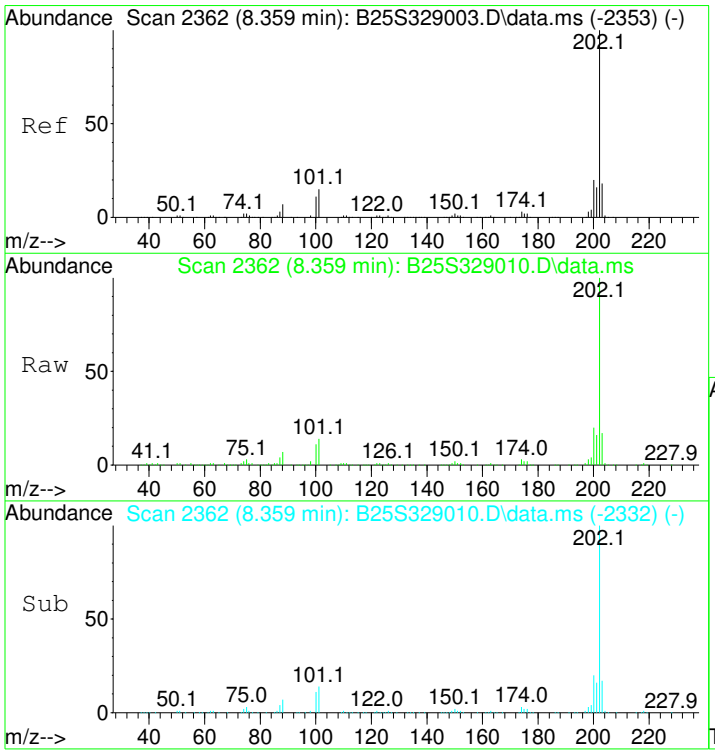


#68
Carbazole
Concen: 0.59 ug/ml
RT: 7.652 min Scan# 2087
Delta R.T. -0.005 min
Lab File: B25S329010.D
Acq: 25 Nov 2025 5:01 pm

Tgt Ion:167 Resp: 3757

Ion	Ratio	Lower	Upper
167	100		
166	21.4	1.9	41.9
139	18.1	0.0	33.5

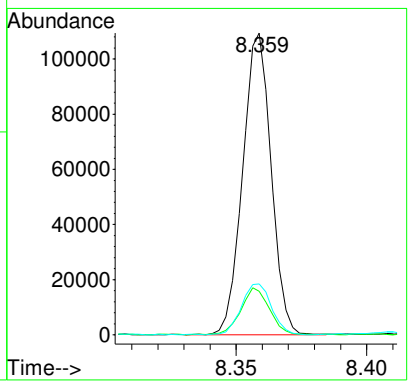


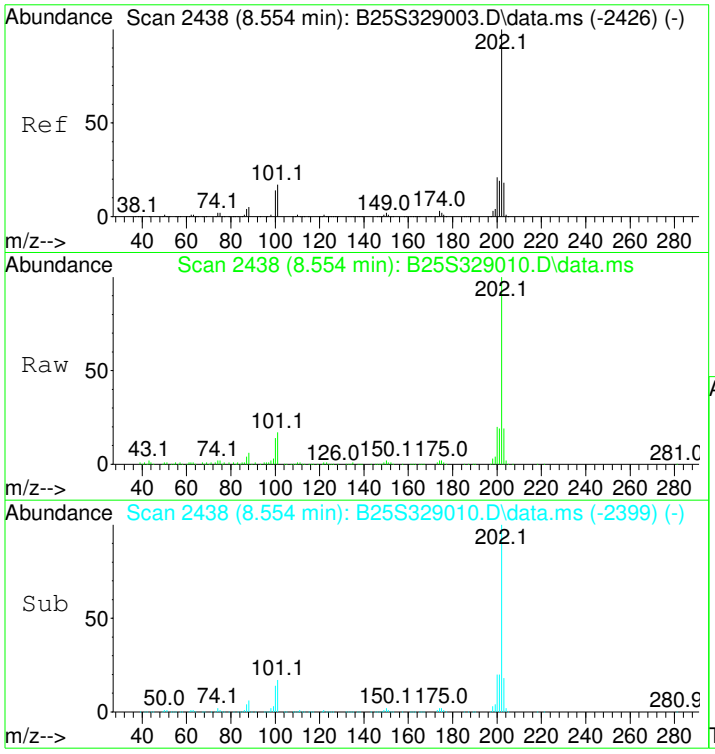


#70
Flouranthene
Concen: 12.37 ug/ml
RT: 8.359 min Scan# 2362
Delta R.T. -0.008 min
Lab File: B25S329010.D
Acq: 25 Nov 2025 5:01 pm

Tgt Ion:202 Resp: 83178

Ion	Ratio	Lower	Upper
202	100		
101	15.8	0.0	36.2
203	17.9	0.0	37.5

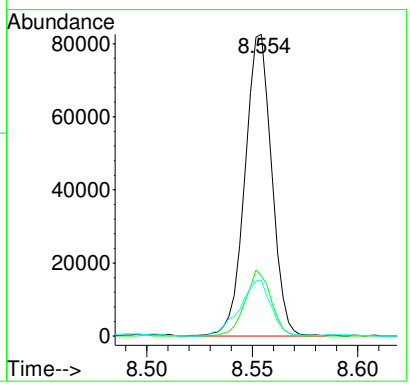


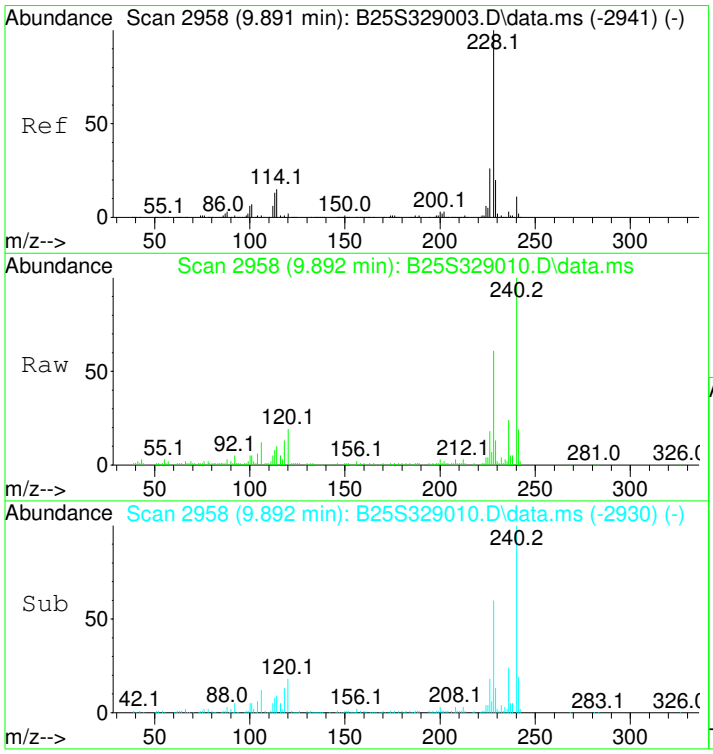


#74
Pyrene
Concen: 9.09 ug/ml
RT: 8.554 min Scan# 2438
Delta R.T. -0.008 min
Lab File: B25S329010.D
Acq: 25 Nov 2025 5:01 pm

Tgt Ion:202 Resp: 72738

Ion	Ratio	Lower	Upper
202	100		
200	21.1	0.1	40.1
203	22.0	0.0	38.1

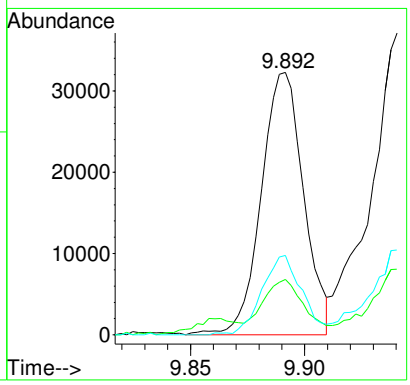


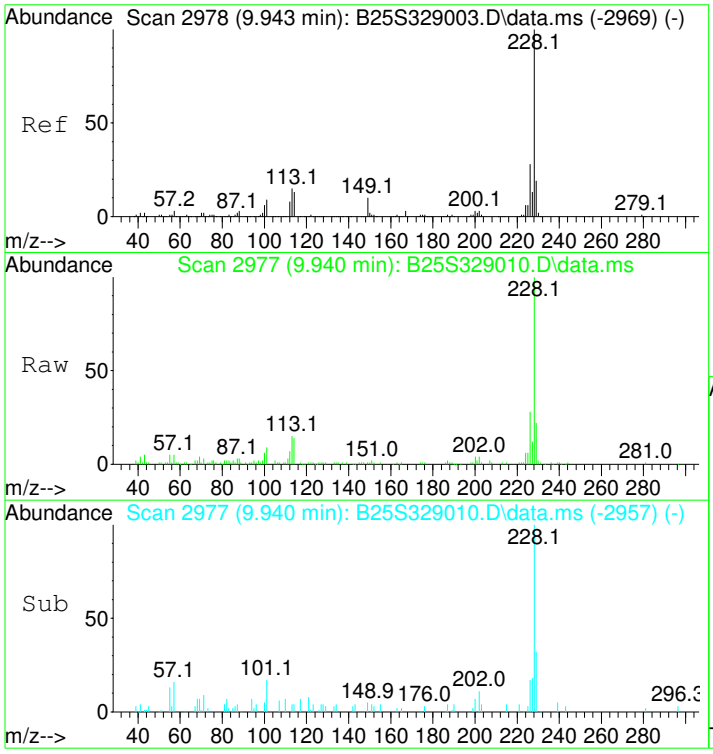


#77
Benzo(a)anthracene
Concen: 5.65 ug/ml
RT: 9.892 min Scan# 2958
Delta R.T. -0.010 min
Lab File: B25S329010.D
Acq: 25 Nov 2025 5:01 pm

Tgt Ion:228 Resp: 41638

Ion	Ratio	Lower	Upper
228	100		
229	18.6	0.0	38.9
226	28.6	4.9	44.9

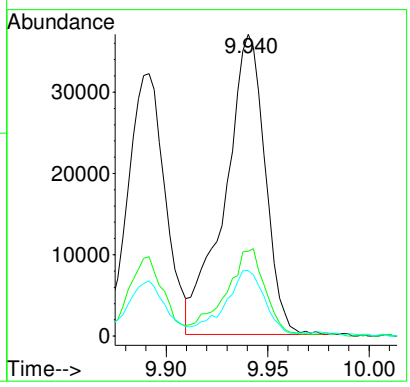


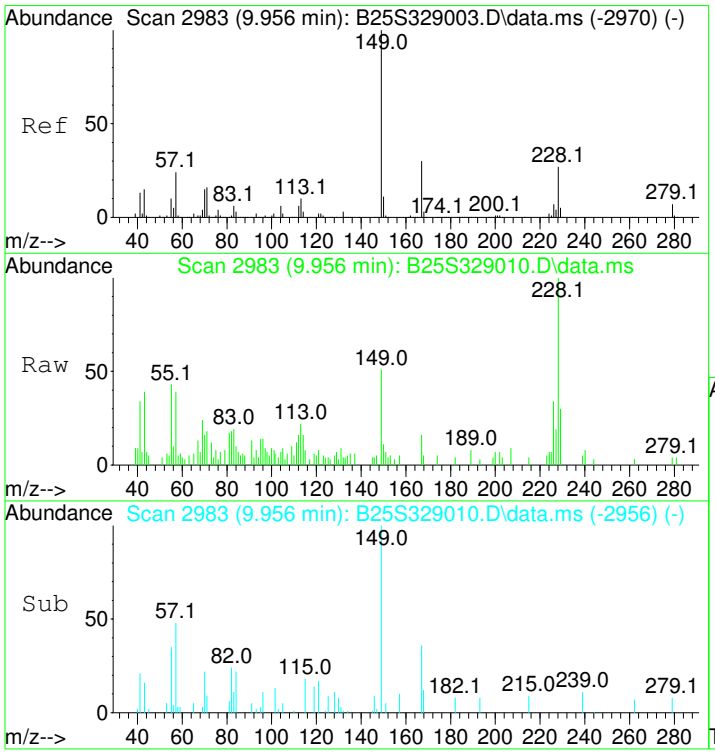


#78
Chrysene
Concen: 6.95 ug/ml
RT: 9.940 min Scan# 2977
Delta R.T. -0.013 min
Lab File: B25S329010.D
Acq: 25 Nov 2025 5:01 pm

Tgt Ion:228 Resp: 50595

Ion	Ratio	Lower	Upper
228	100		
226	28.1	8.1	48.1
229	20.3	0.0	38.9

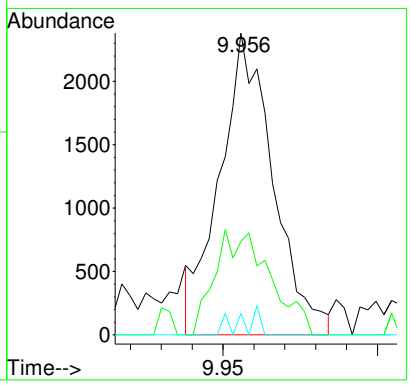


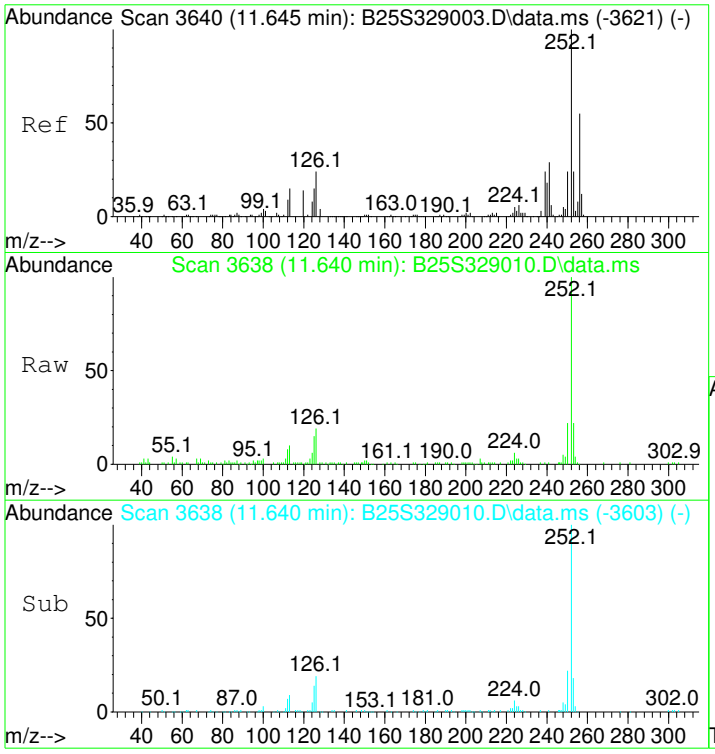


#79
Bis(2-ethylhexyl)phthalate
Concen: 0.85 ug/ml m
RT: 9.956 min Scan# 2983
Delta R.T. -0.020 min
Lab File: B25S329010.D
Acq: 25 Nov 2025 5:01 pm

Tgt Ion:149 Resp: 2858

Ion	Ratio	Lower	Upper
149	100		
167	35.7	10.2	50.2
279	1.3	0.0	27.3

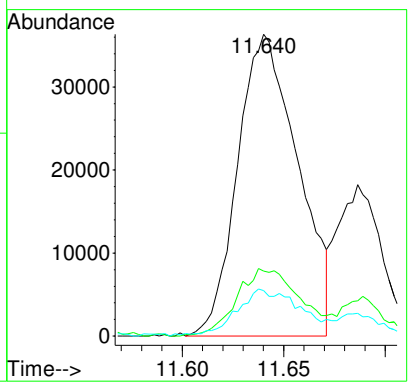


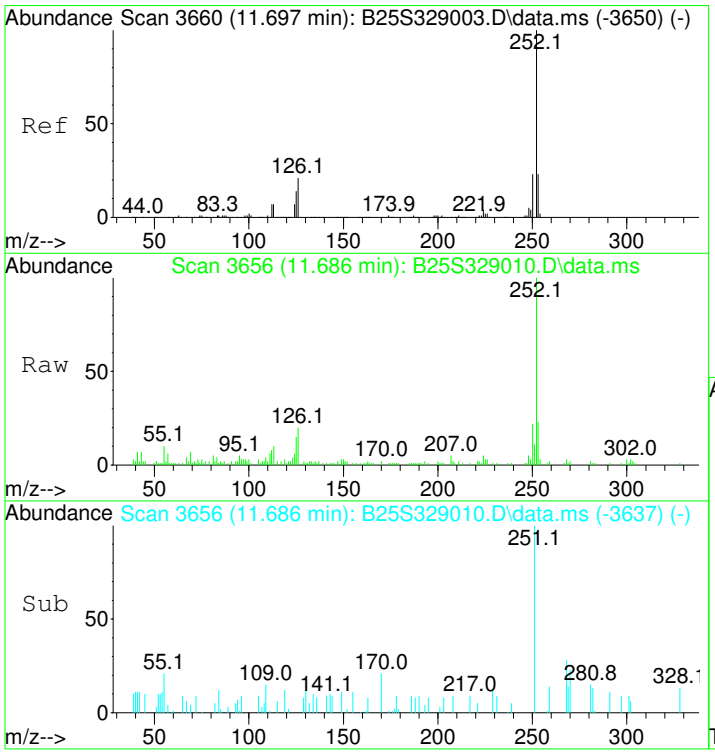


#82
Benzo(b)fluoranthene
Concen: 10.96 ug/ml
RT: 11.640 min Scan# 3638
Delta R.T. -0.013 min
Lab File: B25S329010.D
Acq: 25 Nov 2025 5:01 pm

Tgt Ion:252 Resp: 75183

Ion	Ratio	Lower	Upper
252	100		
253	23.2	2.2	42.2
125	9.6	0.0	34.5

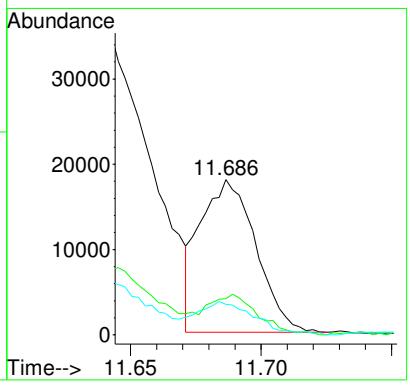


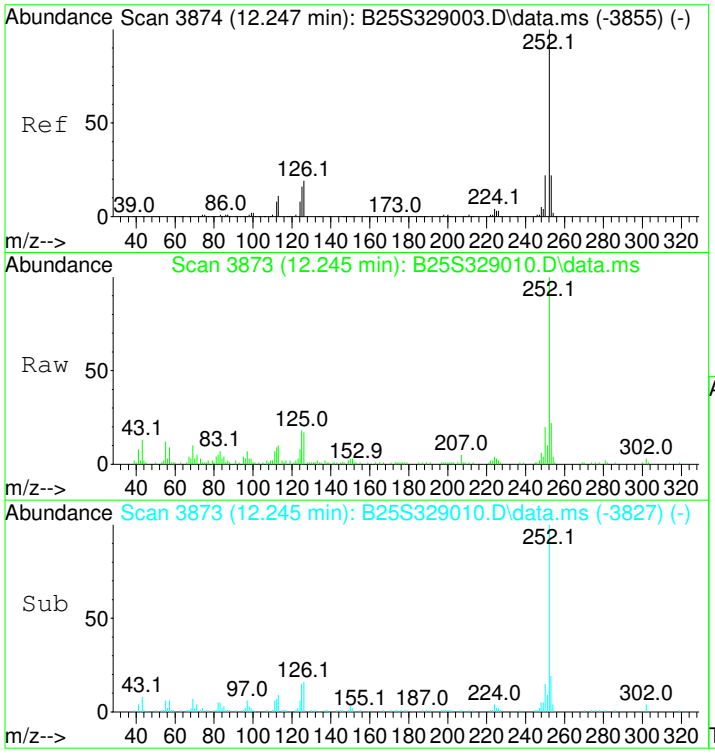


#83
Benzo(k)fluoranthene
Concen: 3.89 ug/ml
RT: 11.686 min Scan# 3656
Delta R.T. -0.018 min
Lab File: B25S329010.D
Acq: 25 Nov 2025 5:01 pm

Tgt Ion:252 Resp: 26490

Ion	Ratio	Lower	Upper
252	100		
253	26.0	0.7	40.7
126	23.0	0.0	39.4

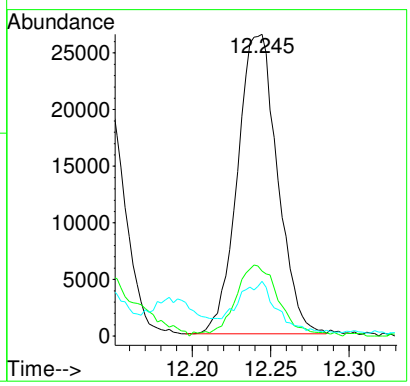


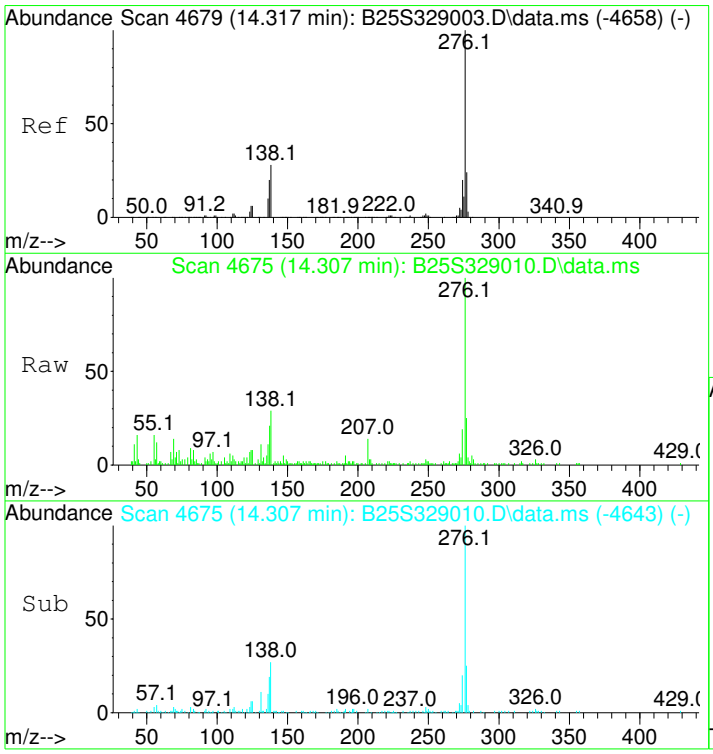


#84
Benzo(a)pyrene
Concen: 7.38 ug/ml
RT: 12.245 min Scan# 3873
Delta R.T. -0.008 min
Lab File: B25S329010.D
Acq: 25 Nov 2025 5:01 pm

Tgt Ion:252 Resp: 46889

Ion	Ratio	Lower	Upper
252	100		
253	25.9	0.4	40.4
125	16.0	0.0	34.0

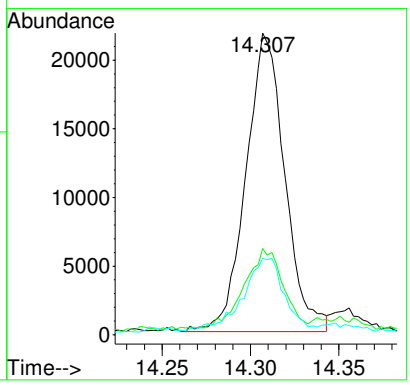


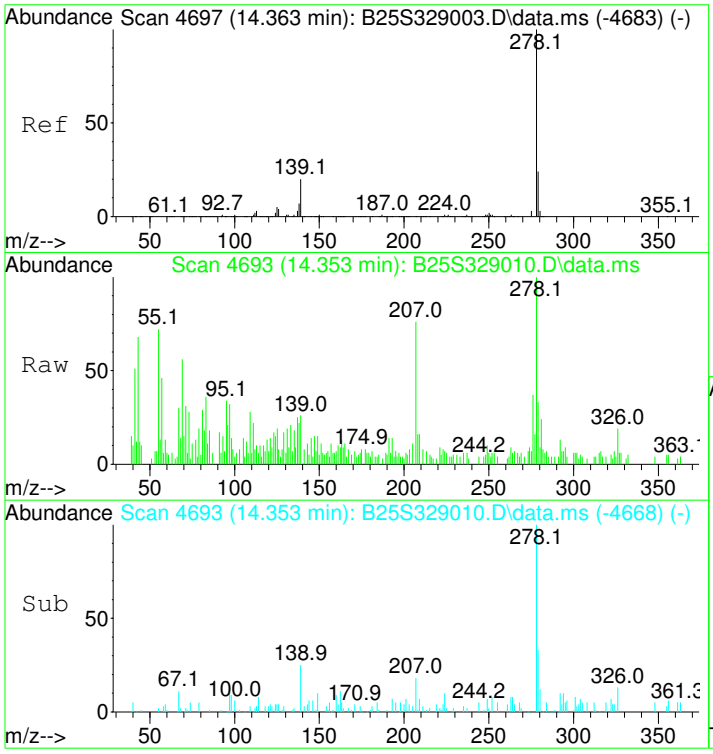


#85
Indeno(1,2,3-cd)pyrene
Concen: 5.86 ug/ml
RT: 14.307 min Scan# 4675
Delta R.T. -0.008 min
Lab File: B25S329010.D
Acq: 25 Nov 2025 5:01 pm

Tgt Ion:276 Resp: 33145

Ion	Ratio	Lower	Upper
276	100		
138	28.9	5.0	45.0
277	27.1	4.1	44.1

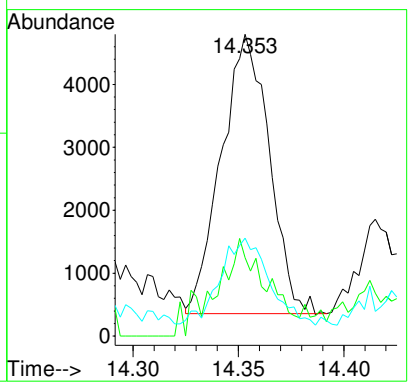


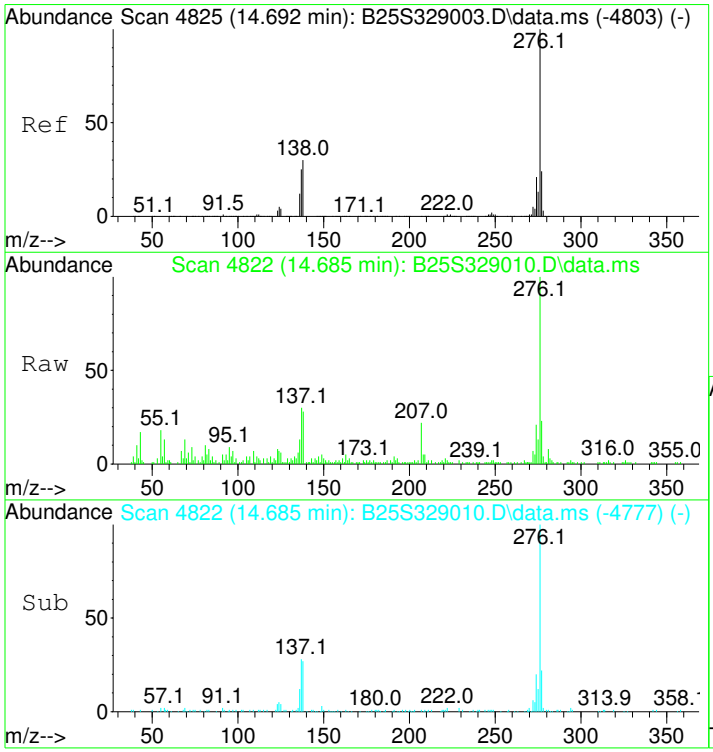


#86
Dibenz(a,h)anthracene
Concen: 1.18 ug/ml
RT: 14.353 min Scan# 4693
Delta R.T. -0.008 min
Lab File: B25S329010.D
Acq: 25 Nov 2025 5:01 pm

Tgt Ion:278 Resp: 6999

Ion	Ratio	Lower	Upper
278	100		
139	20.5	1.1	41.1
279	32.0	3.5	43.5

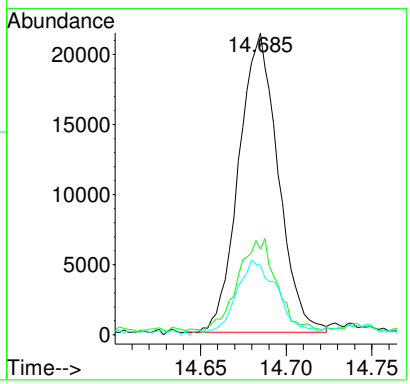


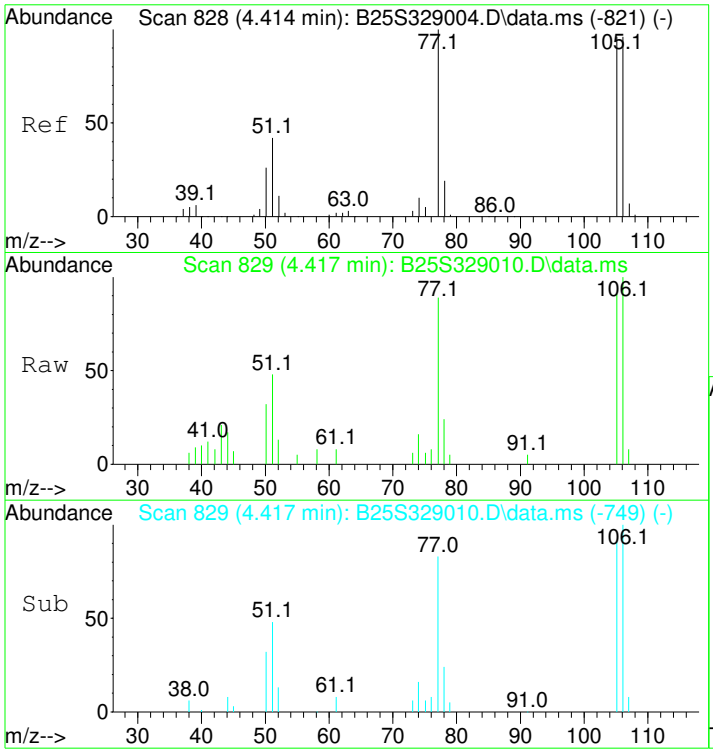


#87
Benzo(g,h,i)perylene
Concen: 5.43 ug/ml
RT: 14.685 min Scan# 4822
Delta R.T. -0.002 min
Lab File: B25S329010.D
Acq: 25 Nov 2025 5:01 pm

Tgt Ion:276 Resp: 34085

Ion	Ratio	Lower	Upper
276	100		
138	31.0	5.6	45.6
277	26.1	3.2	43.2

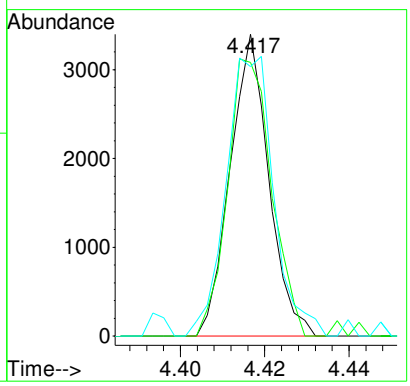




#90
Benzaldehyde
Concen: 1.03 ug/ml
RT: 4.417 min Scan# 829
Delta R.T. 0.005 min
Lab File: B25S329010.D
Acq: 25 Nov 2025 5:01 pm

Tgt Ion:106 Resp: 2161

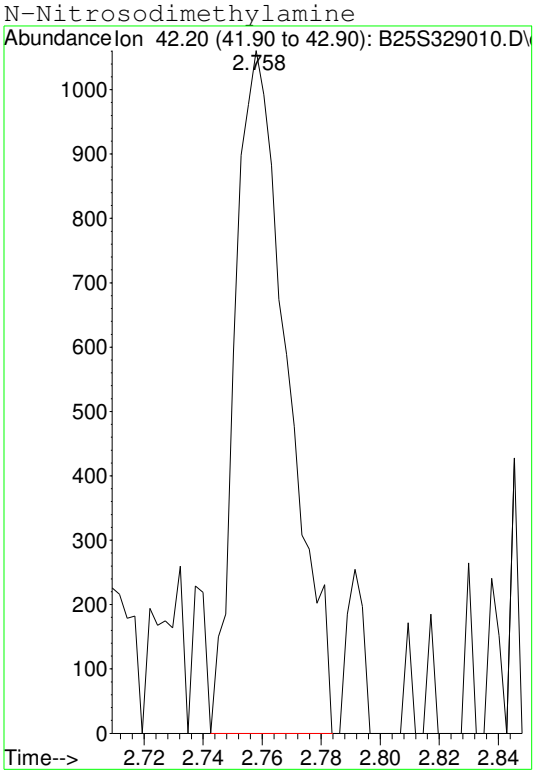
Ion	Ratio	Lower	Upper
106	100		
105	104.3	79.4	119.2
77	114.1	81.3	121.9



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329010.D
Acq On : 25 Nov 2025 5:01 pm
Operator : BGL
Sample : 25K1216-03
Misc :

Quant Time : Wed Nov 26 11:37:50 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
N-Nitrosodimethylamine



Original Int. Results

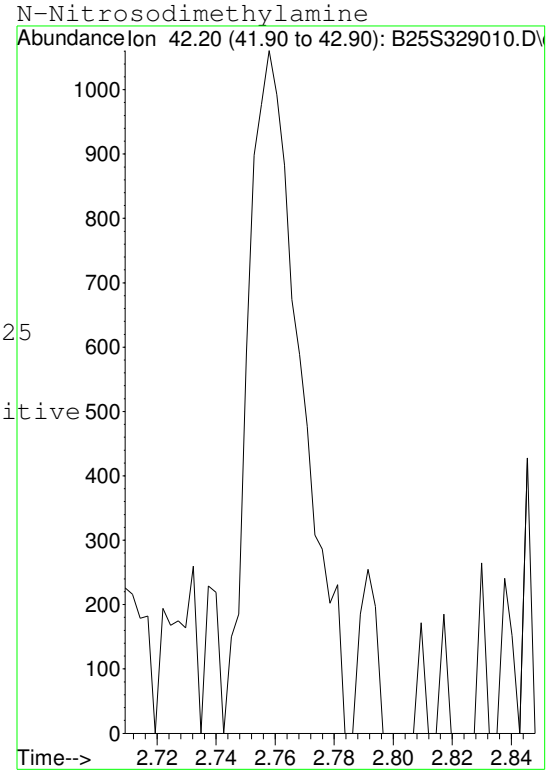
RT : 2.76
Area : 1312
Amount: 1.17103

Manual Int. Results

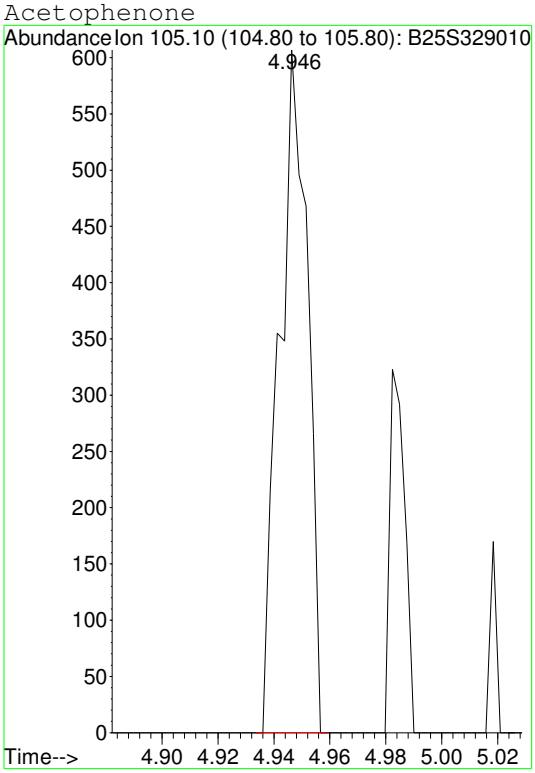
Wed Nov 26 11:35:12 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
N-Nitrosodimethylamine



Original Integration
Acetophenone



Original Int. Results

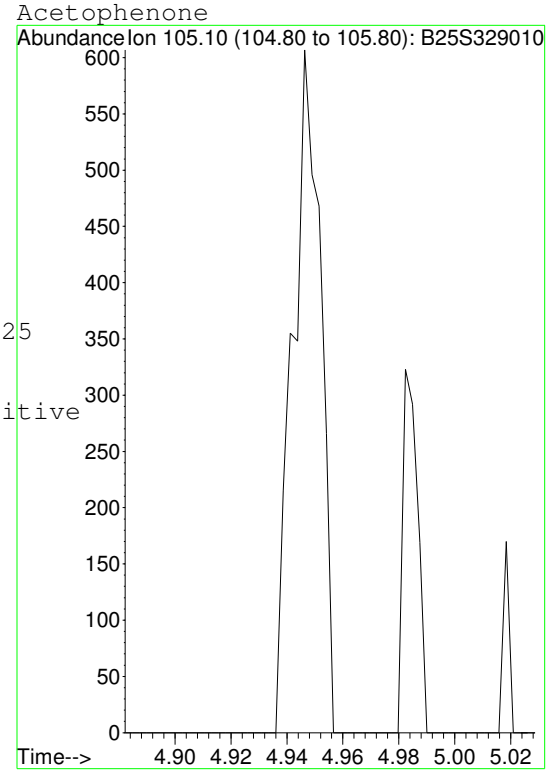
RT : 4.95
Area : 425
Amount: 0.13101

Manual Int. Results

Wed Nov 26 11:35:16 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

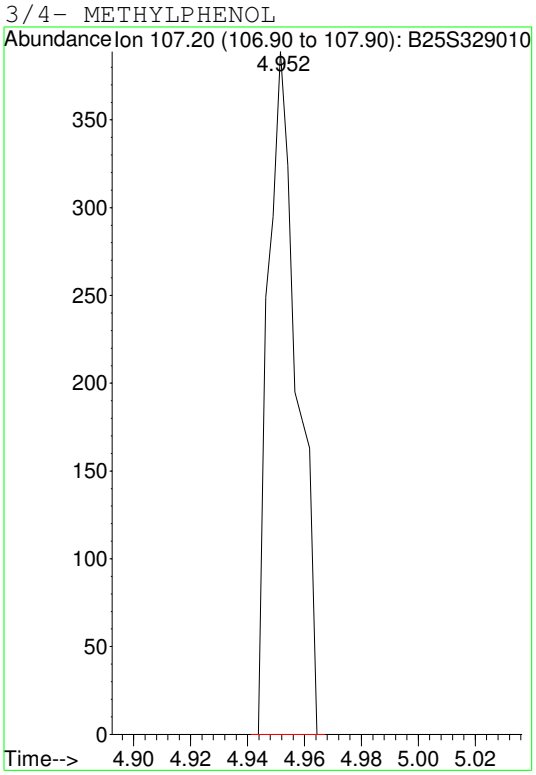
Manual Integration
Acetophenone



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329010.D
Acq On : 25 Nov 2025 5:01 pm
Operator : BGL
Sample : 25K1216-03
Misc :

Quant Time : Wed Nov 26 11:37:50 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
3/4- METHYLPHENOL



Original Int. Results

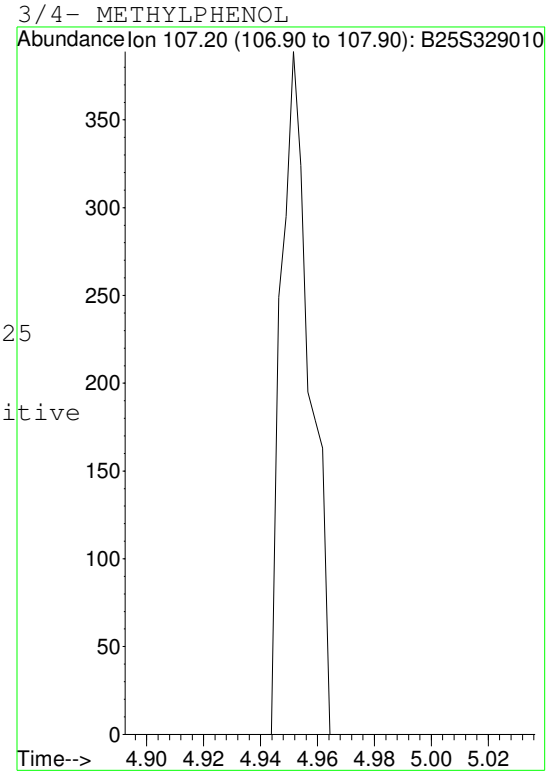
RT : 4.95
Area : 277
Amount: 0.110322

Manual Int. Results

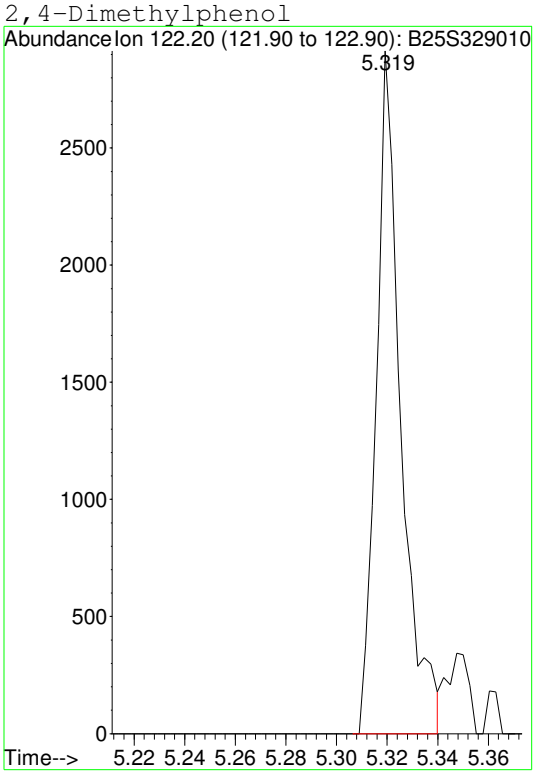
Wed Nov 26 11:35:35 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
3/4- METHYLPHENOL



Original Integration
2,4-Dimethylphenol



Original Int. Results

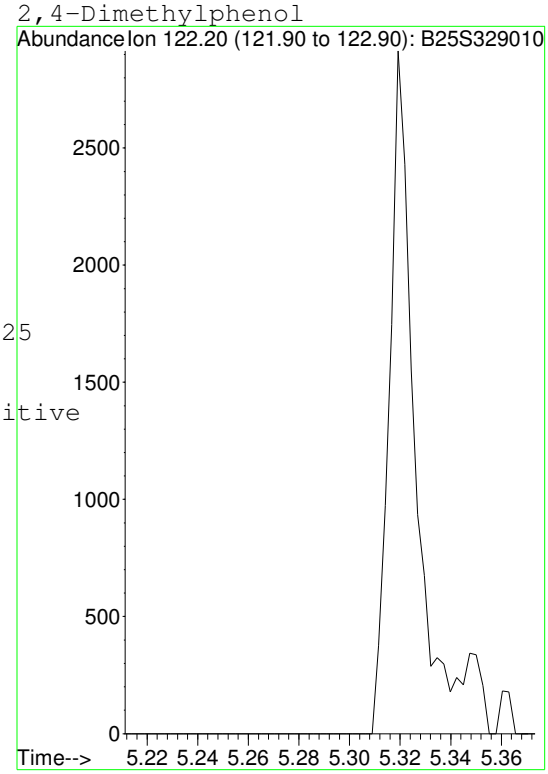
RT : 5.32
Area : 1959
Amount: 1.05415

Manual Int. Results

Wed Nov 26 11:35:40 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

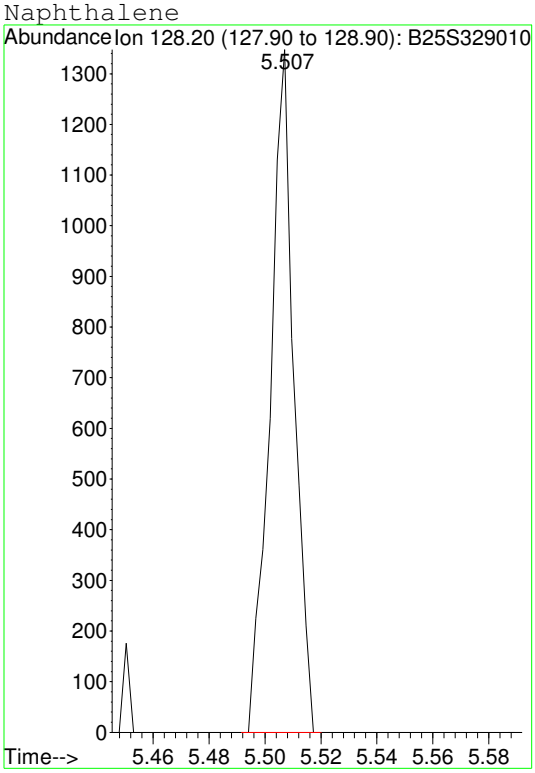
Manual Integration
2,4-Dimethylphenol



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329010.D
Acq On : 25 Nov 2025 5:01 pm
Operator : BGL
Sample : 25K1216-03
Misc :

Quant Time : Wed Nov 26 11:37:50 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Naphthalene



Original Int. Results

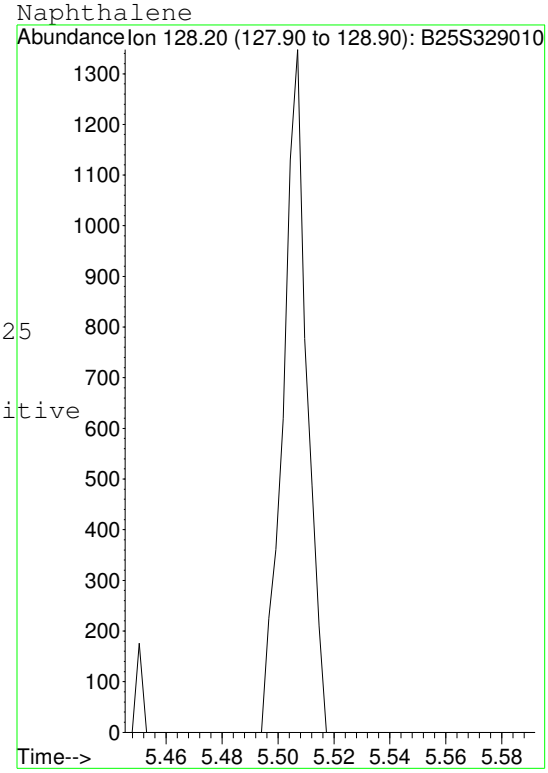
RT : 5.51
Area : 796
Amount: 0.124394

Manual Int. Results

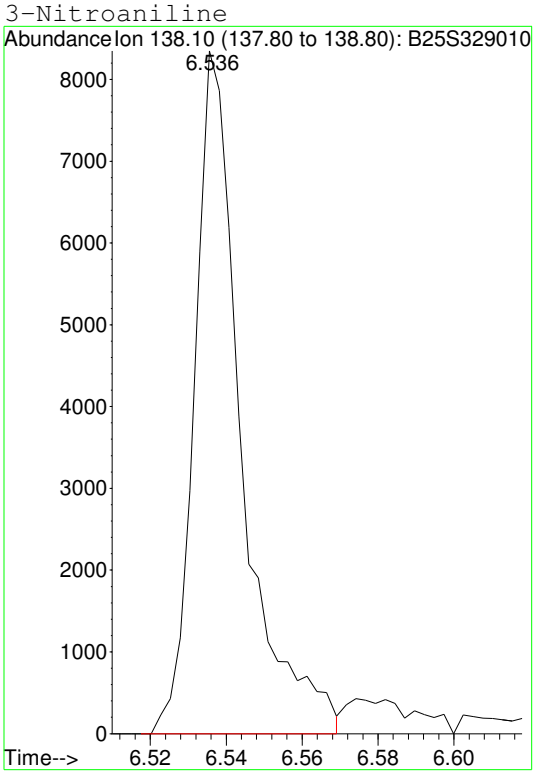
Wed Nov 26 11:36:27 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Naphthalene



Original Integration
3-Nitroaniline



Original Int. Results

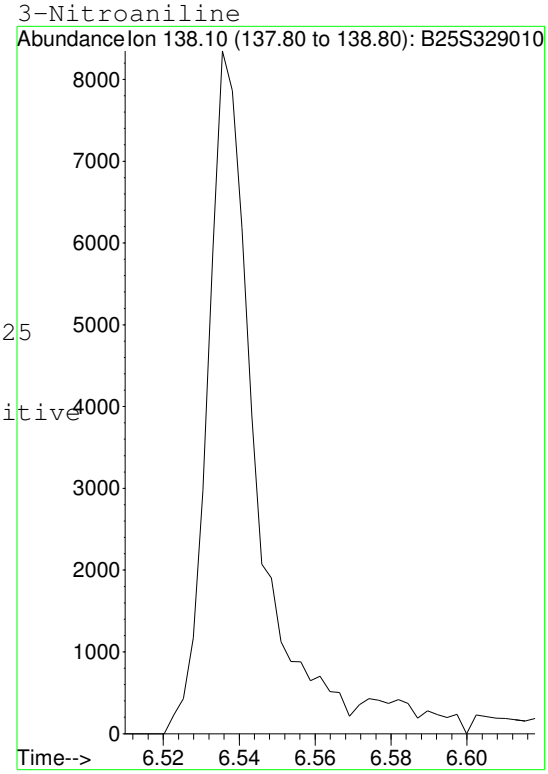
RT : 6.54
Area : 7164
Amount: 6.21926

Manual Int. Results

Wed Nov 26 11:36:33 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

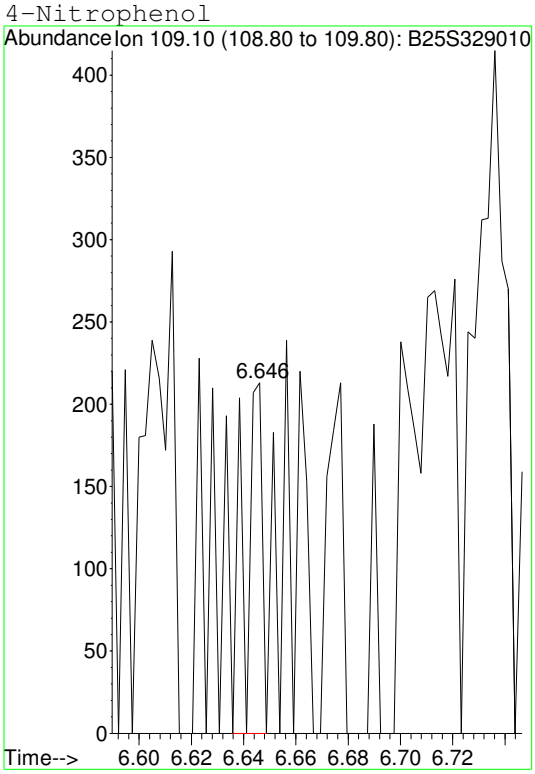
Manual Integration
3-Nitroaniline



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329010.D
Acq On : 25 Nov 2025 5:01 pm
Operator : BGL
Sample : 25K1216-03
Misc :

Quant Time : Wed Nov 26 11:37:50 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
4-Nitrophenol



Original Int. Results

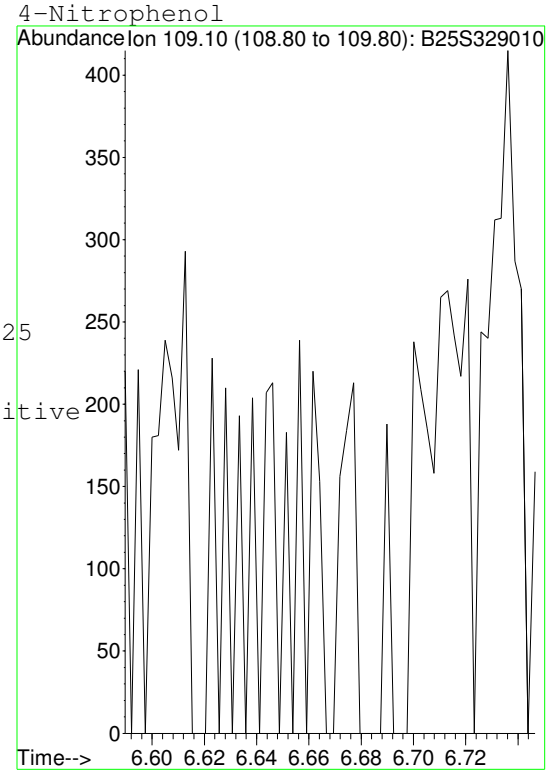
RT : 6.65
Area : 96
Amount: 0.192659

Manual Int. Results

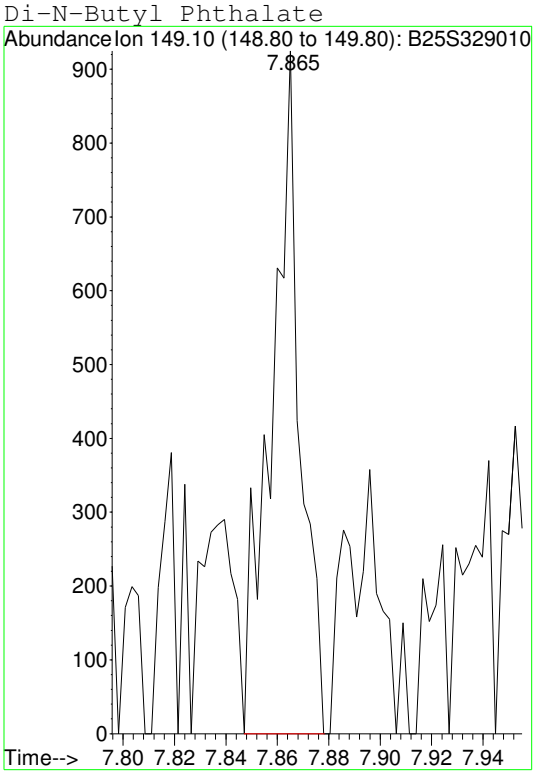
Wed Nov 26 11:36:41 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
4-Nitrophenol



Original Integration
Di-N-Butyl Phthalate



Original Int. Results

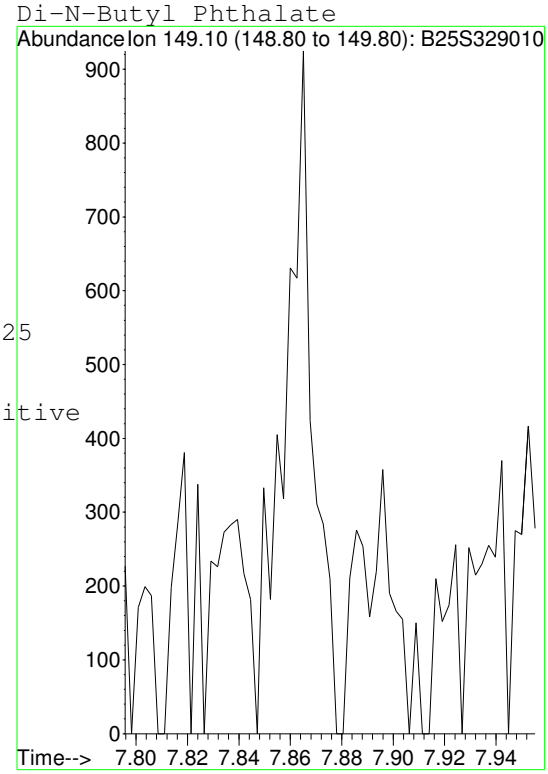
RT : 7.87
Area : 716
Amount: 0.115967

Manual Int. Results

Wed Nov 26 11:36:57 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

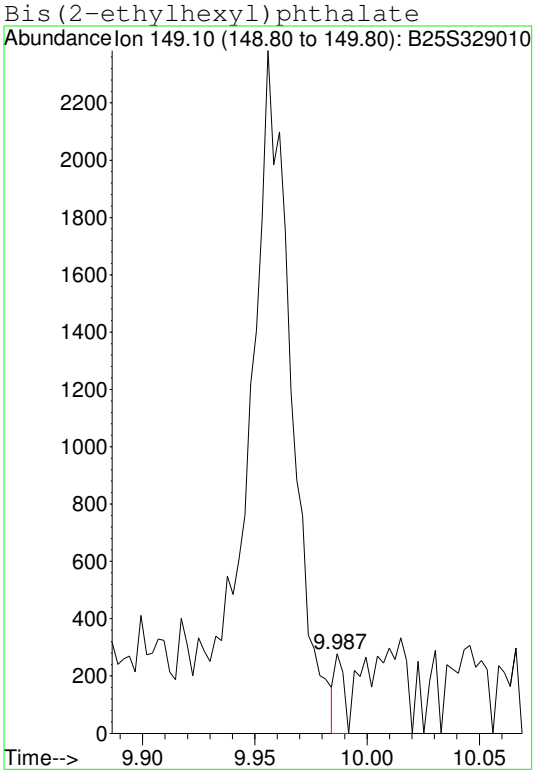
Manual Integration
Di-N-Butyl Phthalate



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329010.D
Acq On : 25 Nov 2025 5:01 pm
Operator : BGL
Sample : 25K1216-03
Misc :

Quant Time : Wed Nov 26 11:37:50 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Bis(2-ethylhexyl)phthalate



Original Int. Results

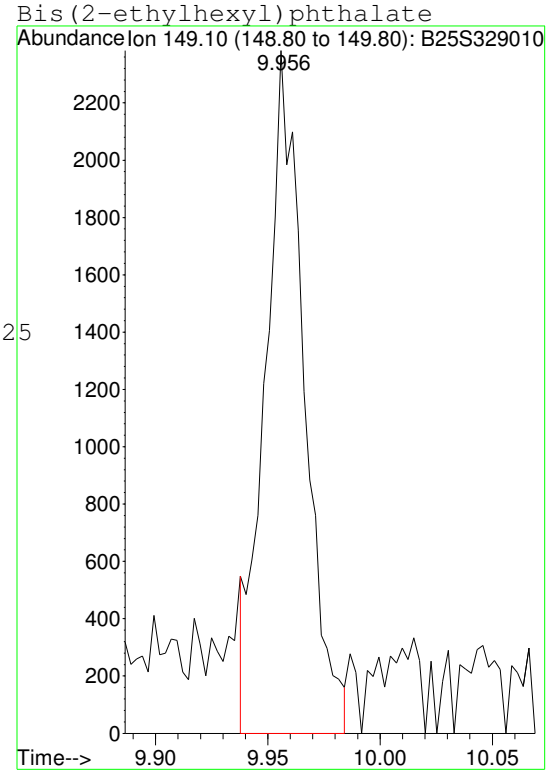
RT : 9.99
Area : 76
Amount: 0.0226927

Manual Int. Results

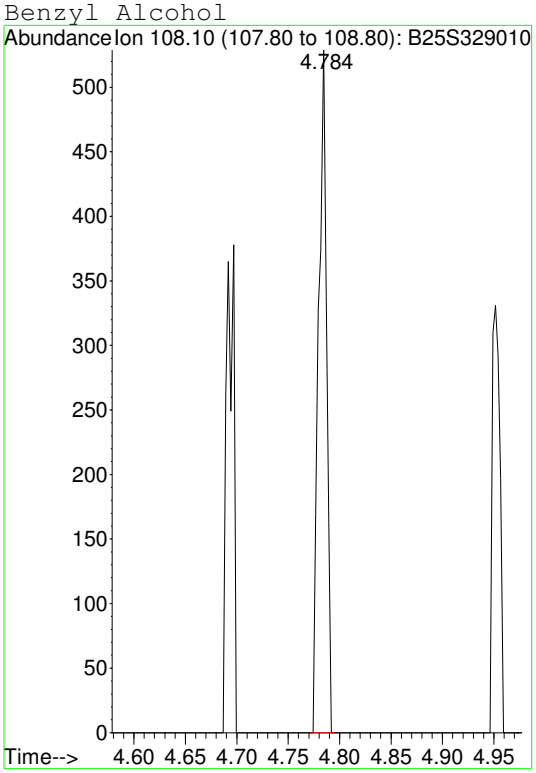
Wed Nov 26 11:37:22 2025

MIuser: BGL
Reason: Other
RT : 9.96
Area : 2858
Amount: 0.853364

Manual Integration
Bis(2-ethylhexyl)phthalate



Original Integration
Benzyl Alcohol



Original Int. Results

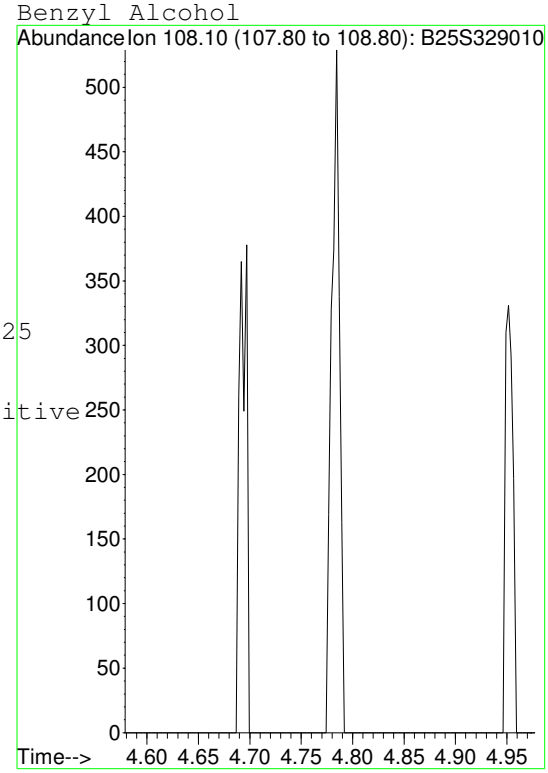
RT : 4.78
Area : 293
Amount: 0.19561

Manual Int. Results

Wed Nov 26 11:37:50 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Benzyl Alcohol



1 - FORM I
ANALYSIS DATA SHEET

E-2 (2-12in)

Laboratory:	Pace New England			Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1216-04	File ID:	B25S329011.D
Sampled:	11/17/25 15:55	Prepared:	11/21/25 07:21	Analyzed:	11/25/25 17:26
Solids:	91.15	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.06 g / 1 mL				
Batch:	B417963	Sequence:	S129060	Calibration:	2500833	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol		0.052	0.73	
1912-24-9	Atrazine		0.051	0.73	V-06
100-52-7	Benzaldehyde		0.051	0.37	V-34
92-52-4	Biphenyl		0.042	0.073	
105-60-2	Caprolactam		0.064	0.37	
83-32-9	Acenaphthene		0.0041	0.036	
208-96-8	Acenaphthylene		0.0046	0.036	
98-86-2	Acetophenone		0.039	0.37	
62-53-3	Aniline		0.070	0.37	V-34
120-12-7	Anthracene	0.0069	0.0042	0.036	J
56-55-3	Benzo(a)anthracene	0.050	0.0057	0.036	
50-32-8	Benzo(a)pyrene	0.057	0.012	0.036	
205-99-2	Benzo(b)fluoranthene	0.082	0.0090	0.036	
191-24-2	Benzo(g,h,i)perylene	0.042	0.014	0.036	
207-08-9	Benzo(k)fluoranthene	0.030	0.0074	0.036	J
111-91-1	Bis(2-chloroethoxy)methane		0.038	0.37	
111-44-4	Bis(2-chloroethyl)ether		0.049	0.37	
108-60-1	2,2'-oxybis(1-Chloropropane)		0.15	0.37	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.050	0.37	V-06
101-55-3	4-Bromophenylphenylether		0.033	0.37	
85-68-7	Butylbenzylphthalate		0.042	0.37	
86-74-8	Carbazole		0.038	0.19	
106-47-8	4-Chloroaniline		0.060	0.72	
59-50-7	4-Chloro-3-methylphenol		0.039	0.72	
91-58-7	2-Chloronaphthalene		0.033	0.37	
95-57-8	2-Chlorophenol		0.033	0.37	
7005-72-3	4-Chlorophenylphenylether		0.034	0.37	
218-01-9	Chrysene	0.058	0.0047	0.036	
53-70-3	Dibenz(a,h)anthracene		0.016	0.036	

1 - FORM I
ANALYSIS DATA SHEET

E-2 (2-12in)

Laboratory:	Pace New England			Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1216-04	File ID:	B25S329011.D
Sampled:	11/17/25 15:55	Prepared:	11/21/25 07:21	Analyzed:	11/25/25 17:26
Solids:	91.15	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.06 g / 1 mL				
Batch:	B417963	Sequence:	S129060	Calibration:	2500833	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
132-64-9	Dibenzofuran		0.036	0.37	
84-74-2	Di-n-butylphthalate		0.14	0.37	
91-94-1	3,3-Dichlorobenzidine		0.066	0.19	
120-83-2	2,4-Dichlorophenol		0.035	0.37	
84-66-2	Diethylphthalate		0.036	0.37	
105-67-9	2,4-Dimethylphenol		0.077	0.37	
131-11-3	Dimethylphthalate		0.033	0.37	
534-52-1	4,6-Dinitro-2-methylphenol		0.31	0.37	
51-28-5	2,4-Dinitrophenol		0.35	0.72	V-04, V-06
121-14-2	2,4-Dinitrotoluene		0.088	0.37	
606-20-2	2,6-Dinitrotoluene		0.047	0.37	
117-84-0	Di-n-octylphthalate		0.055	0.37	V-06
206-44-0	Fluoranthene	0.11	0.0051	0.036	
86-73-7	Fluorene		0.0044	0.036	
118-74-1	Hexachlorobenzene		0.037	0.37	
87-68-3	Hexachlorobutadiene		0.038	0.37	
77-47-4	Hexachlorocyclopentadiene		0.18	0.37	
67-72-1	Hexachloroethane		0.034	0.37	
193-39-5	Indeno(1,2,3-cd)pyrene	0.045	0.015	0.036	
78-59-1	Isophorone		0.040	0.37	
90-12-0	1-Methylnaphthalene		0.0046	0.036	
91-57-6	2-Methylnaphthalene		0.0042	0.036	
95-48-7	2-Methylphenol		0.047	0.37	
108-39-4/106-4	3/4-Methylphenol		0.061	0.37	
91-20-3	Naphthalene		0.0053	0.036	
88-74-4	2-Nitroaniline		0.057	0.37	
99-09-2	3-Nitroaniline		0.048	0.37	
100-01-6	4-Nitroaniline		0.053	0.37	
98-95-3	Nitrobenzene		0.042	0.37	

1 - FORM I
ANALYSIS DATA SHEET

E-2 (2-12in)

Laboratory:	Pace New England			Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1216-04	File ID:	B25S329011.D
Sampled:	11/17/25 15:55	Prepared:	11/21/25 07:21	Analyzed:	11/25/25 17:26
Solids:	91.15	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.06 g / 1 mL				
Batch:	B417963	Sequence:	S129060	Calibration:	2500833	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
88-75-5	2-Nitrophenol		0.038	0.37	
100-02-7	4-Nitrophenol		0.15	0.72	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.048	0.37	
621-64-7	N-Nitrosodi-n-propylamine		0.046	0.37	
87-86-5	Pentachlorophenol		0.047	0.37	
85-01-8	Phenanthrene	0.038	0.0037	0.036	
108-95-2	Phenol		0.035	0.37	
129-00-0	Pyrene	0.083	0.0062	0.036	
110-86-1	Pyridine		0.047	0.37	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.036	0.37	
95-95-4	2,4,5-Trichlorophenol		0.038	0.37	
88-06-2	2,4,6-Trichlorophenol		0.033	0.37	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329011.D
Acq On : 25 Nov 2025 5:26 pm
Operator : BGL
Sample : 25K1216-04 Inst : GCMSSV2
Misc :
ALS Vial : 11 Sample Multiplier: 1

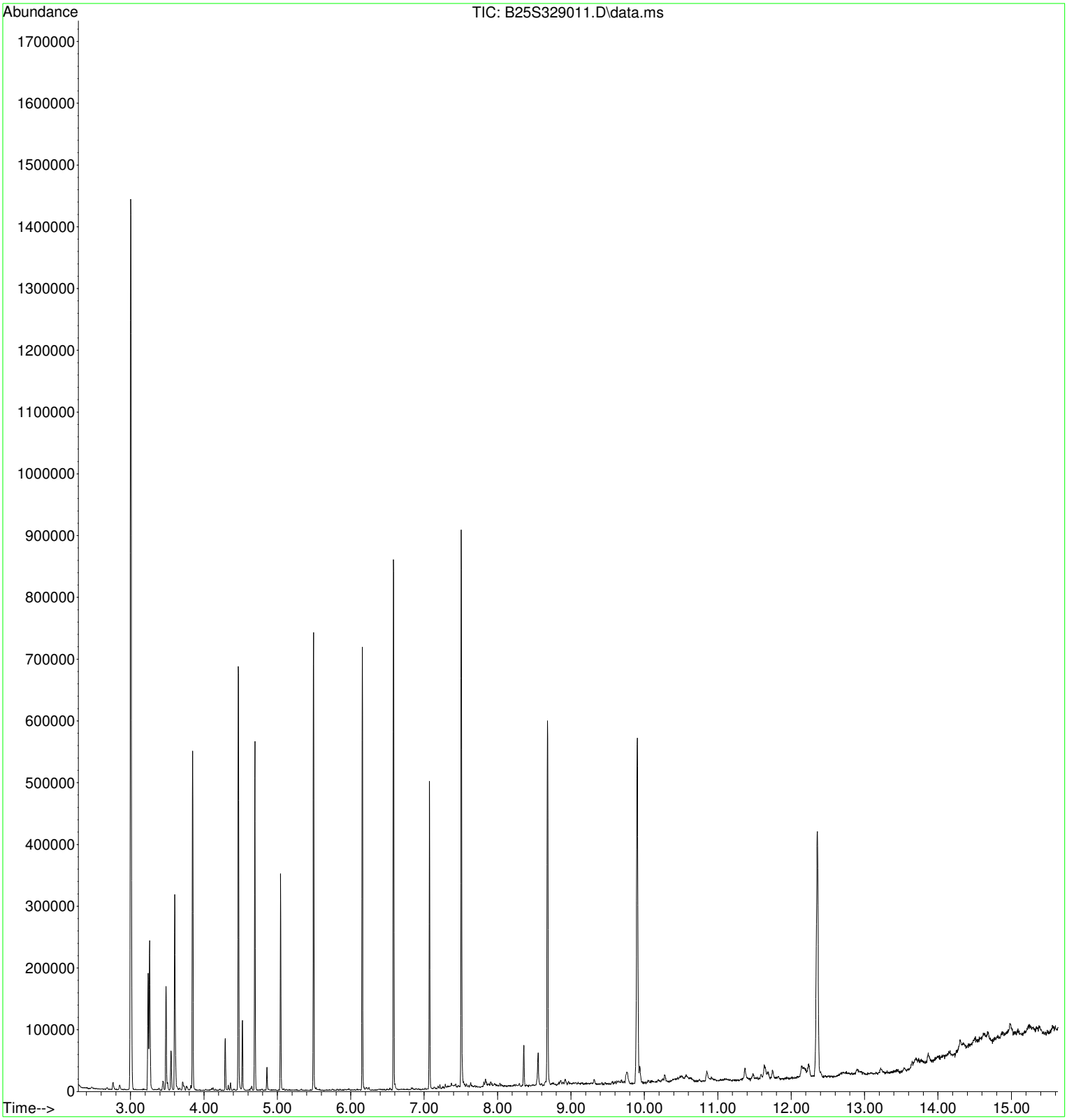
Quant Time: Nov 25 17:42:13 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

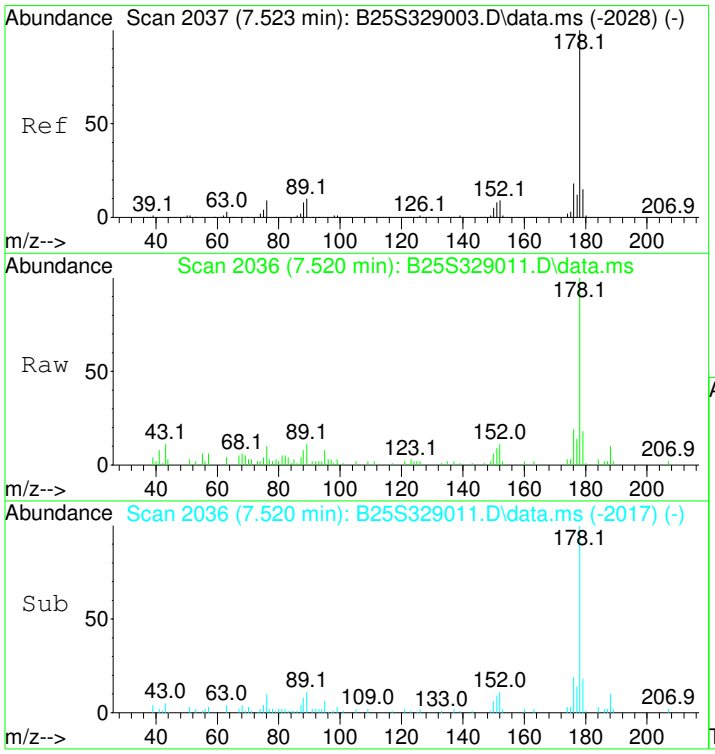
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.694	152	61513	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	5.494	136	241528	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	6.582	164	131296	40.00	ug/ml	-0.01
58) PHENANTHRENE-D10	7.505	188	224373	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.904	240	229980	40.00	ug/ml	-0.01
80) PERYLENE-D12	12.357	264	238498	40.00	ug/ml	0.00
88) 1,4-Dichlorobenzene-D4...	4.694	152	61513	40.00	ug/ml	0.00
92) NAPHTHALENE-d8 (2)	5.494	136	241528	40.00	ug/ml	0.00
95) ACENAPHTHENE-D10 (2)	6.582	164	131296	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	3.846	112	114213	66.46	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 33.23%			
3) Phenol-d6	4.470	99	182048	64.24	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 32.12%			
20) Nitrobenzene-d5	5.044	82	78661	32.73	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 32.73%			
36) 2-Fluorobiphenyl	6.157	172	154025	35.53	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 35.53%			
37) 2,4,6-Tribromophenol	7.073	330	37351	64.06	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 32.03%			
72) p-Terphenyl-d14	8.680	244	163524	34.33	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 34.33%			
Target Compounds						Qvalue
66) Phenanthrene	7.520	178	7305	1.04	ug/ml	93
67) Anthracene	7.551	178	1312	0.19	ug/ml	93
70) Flouranthene	8.359	202	21833	3.15	ug/ml	98
74) Pyrene	8.552	202	19115	2.27	ug/ml	96
77) Benzo(a)anthracene	9.889	228	10674	1.38	ug/ml	91
78) Chrysene	9.940	228	12297	1.60	ug/ml	96
82) Benzo(b)fluoranthene	11.632	252	16515	2.26	ug/ml	78
83) Benzo(k)fluoranthene	11.681	252	5977	0.82	ug/ml	85
84) Benzo(a)pyrene	12.239	252	10613	1.57	ug/ml	94
85) Indeno(1,2,3-cd)pyrene	14.304	276	7407	1.23	ug/ml	90
86) Dibenz(a,h)anthracene	14.356	278	1431m	0.23	ug/ml	
87) Benzo(g,h,i)perylene	14.682	276	7754	1.16	ug/ml	88

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

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329011.D
Acq On : 25 Nov 2025 5:26 pm
Operator : BGL
Sample : 25K1216-04 Inst : GCMSSV2
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 25 17:42:13 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

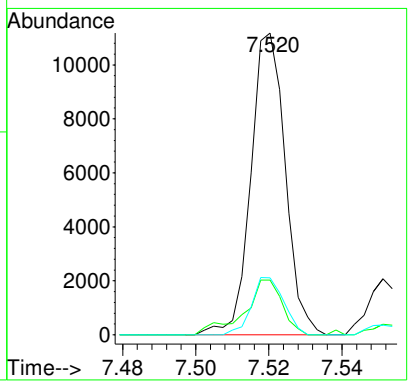


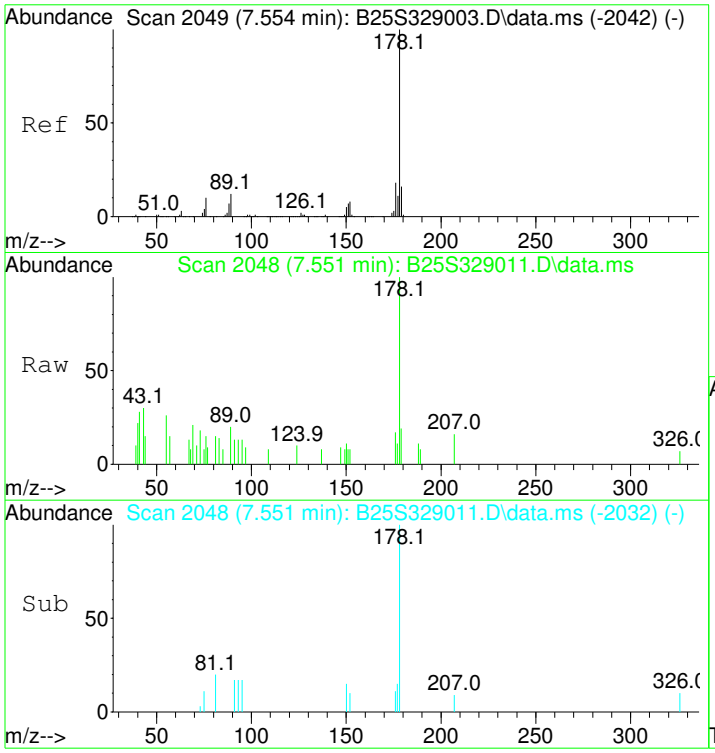


#66
Phenanthrene
Concen: 1.04 ug/ml
RT: 7.520 min Scan# 2036
Delta R.T. -0.008 min
Lab File: B25S329011.D
Acq: 25 Nov 2025 5:26 pm

Tgt Ion:178 Resp: 7305

Ion	Ratio	Lower	Upper
178	100		
179	20.1	0.0	35.5
176	17.7	0.0	39.0

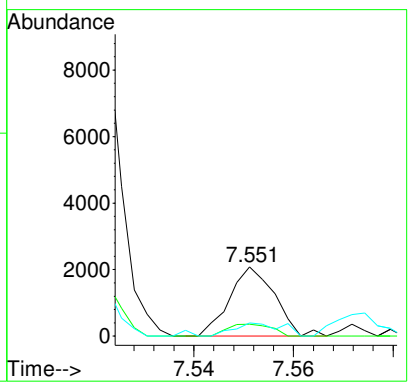


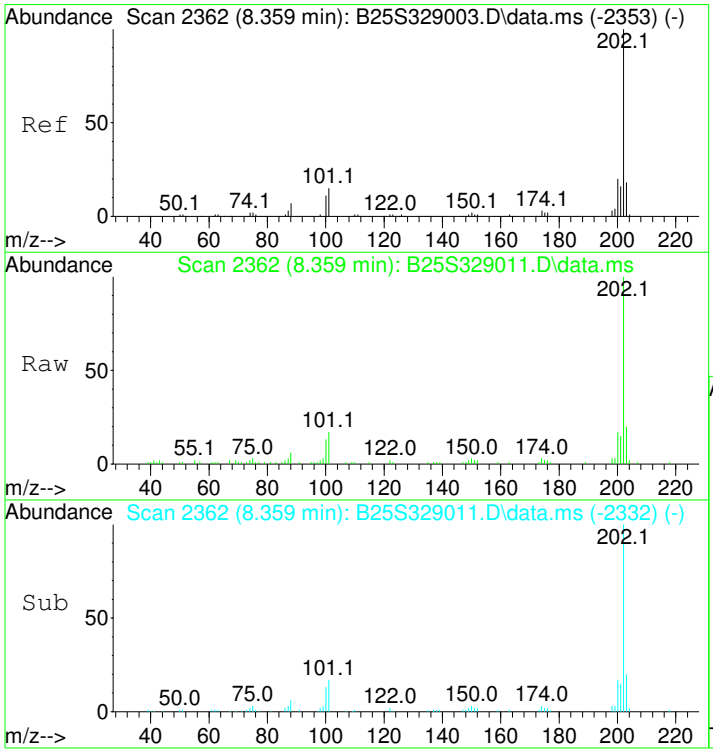


#67
Anthracene
Concen: 0.19 ug/ml
RT: 7.551 min Scan# 2048
Delta R.T. -0.010 min
Lab File: B25S329011.D
Acq: 25 Nov 2025 5:26 pm

Tgt Ion:178 Resp: 1312

Ion	Ratio	Lower	Upper
178	100		
176	16.8	0.0	38.3
179	20.2	0.0	35.5

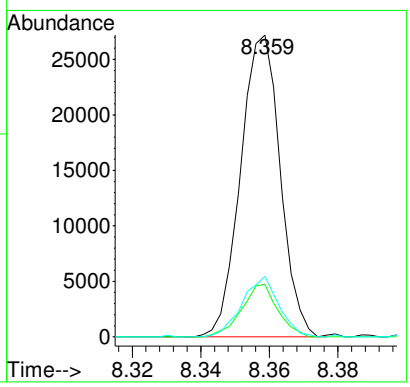


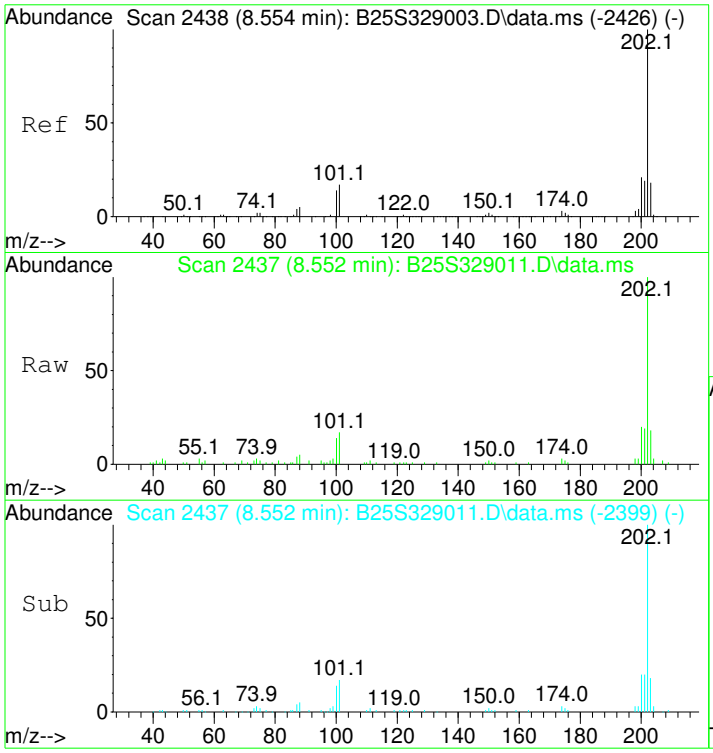


#70
Flouranthene
Concen: 3.15 ug/ml
RT: 8.359 min Scan# 2362
Delta R.T. -0.008 min
Lab File: B25S329011.D
Acq: 25 Nov 2025 5:26 pm

Tgt Ion:202 Resp: 21833

Ion	Ratio	Lower	Upper
202	100		
101	15.9	0.0	36.2
203	18.5	0.0	37.5

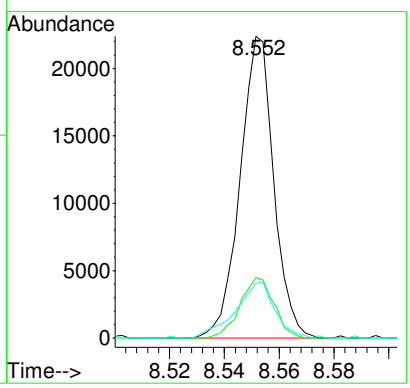


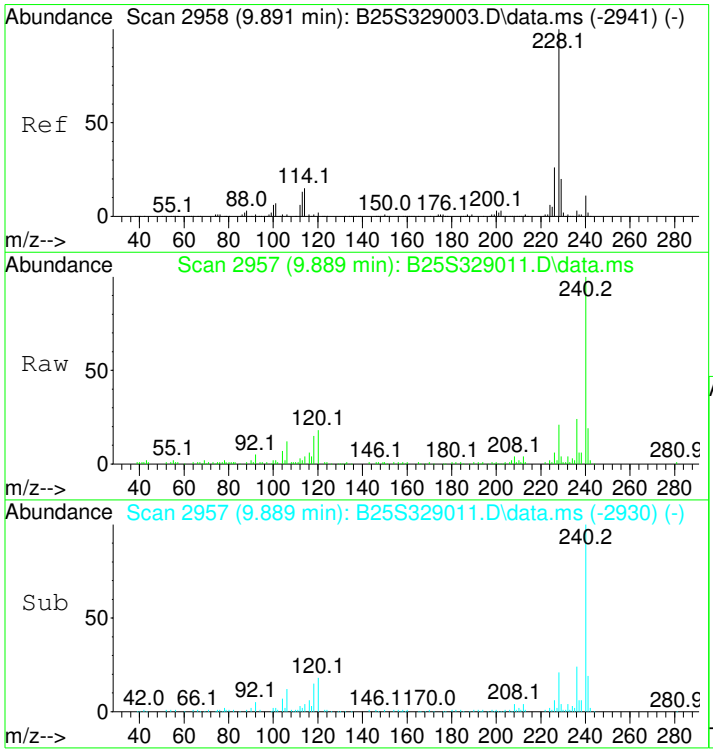


#74
Pyrene
Concen: 2.27 ug/ml
RT: 8.552 min Scan# 2437
Delta R.T. -0.010 min
Lab File: B25S329011.D
Acq: 25 Nov 2025 5:26 pm

Tgt Ion:202 Resp: 19115

Ion	Ratio	Lower	Upper
202	100		
200	20.3	0.1	40.1
203	21.9	0.0	38.1

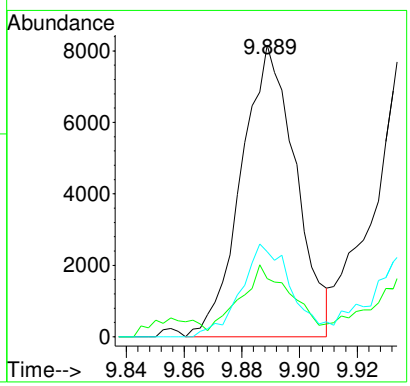


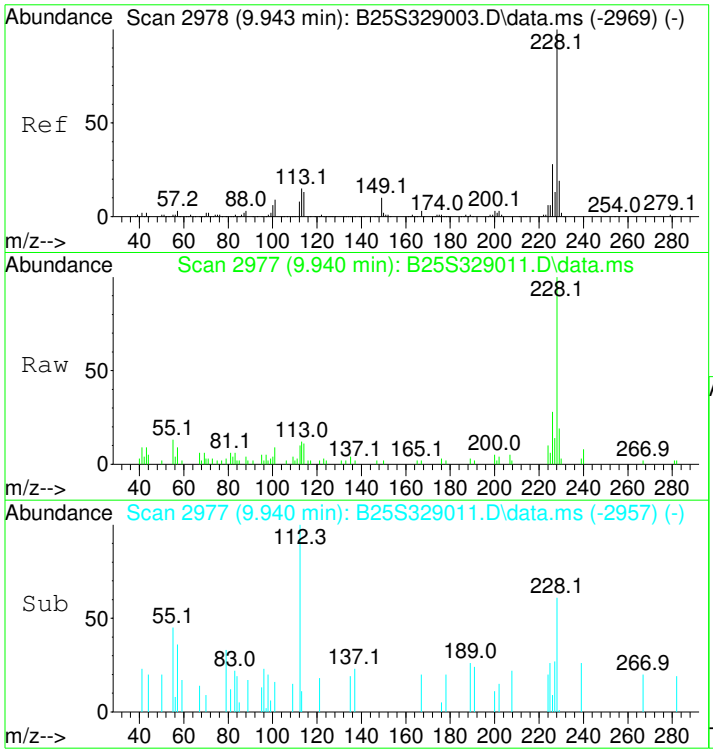


#77
Benzo(a)anthracene
Concen: 1.38 ug/ml
RT: 9.889 min Scan# 2957
Delta R.T. -0.013 min
Lab File: B25S329011.D
Acq: 25 Nov 2025 5:26 pm

Tgt Ion:228 Resp: 10674

Ion	Ratio	Lower	Upper
228	100		
229	21.8	0.0	38.9
226	30.1	4.9	44.9

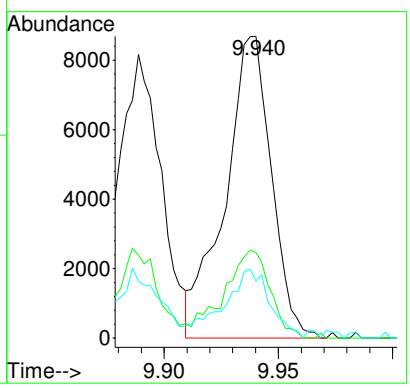


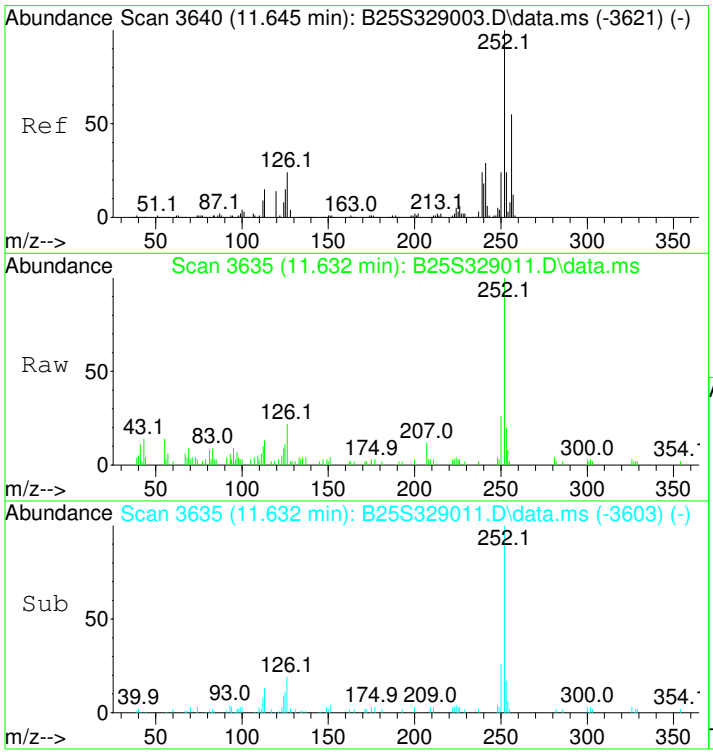


#78
Chrysene
Concen: 1.60 ug/ml
RT: 9.940 min Scan# 2977
Delta R.T. -0.013 min
Lab File: B25S329011.D
Acq: 25 Nov 2025 5:26 pm

Tgt Ion:228 Resp: 12297

Ion	Ratio	Lower	Upper
228	100		
226	28.9	8.1	48.1
229	22.7	0.0	38.9

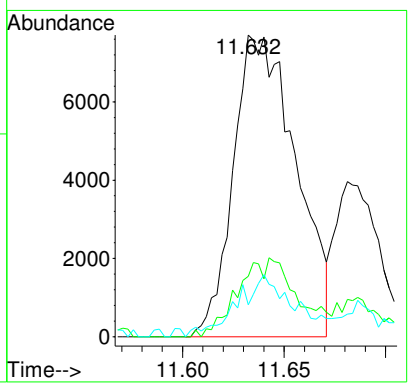


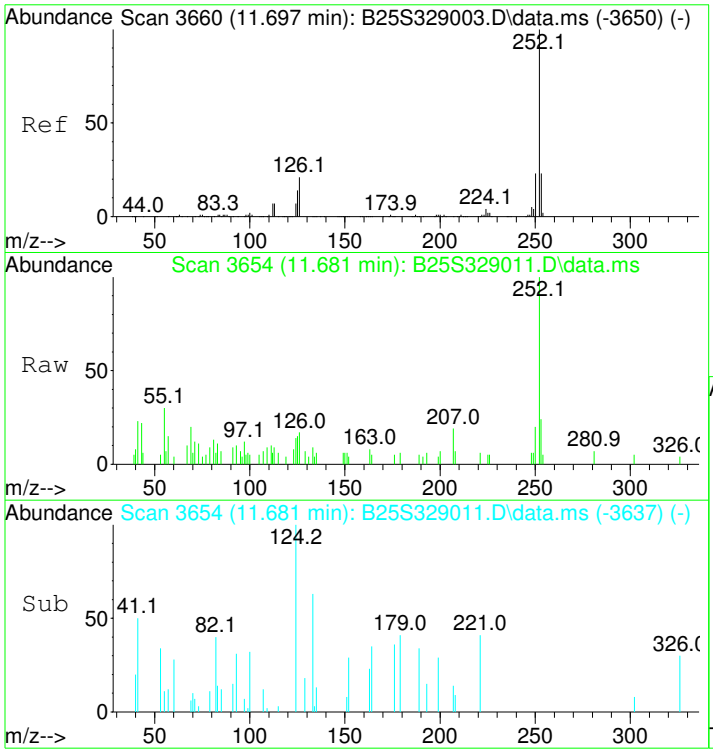


#82
Benzo(b)fluoranthene
Concen: 2.26 ug/ml
RT: 11.632 min Scan# 3635
Delta R.T. -0.021 min
Lab File: B25S329011.D
Acq: 25 Nov 2025 5:26 pm

Tgt Ion:252 Resp: 16515

Ion	Ratio	Lower	Upper
252	100		
253	11.7	2.2	42.2
125	5.7	0.0	34.5

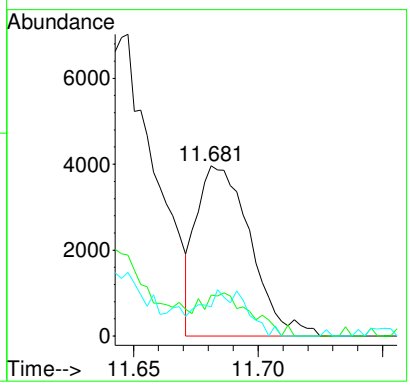


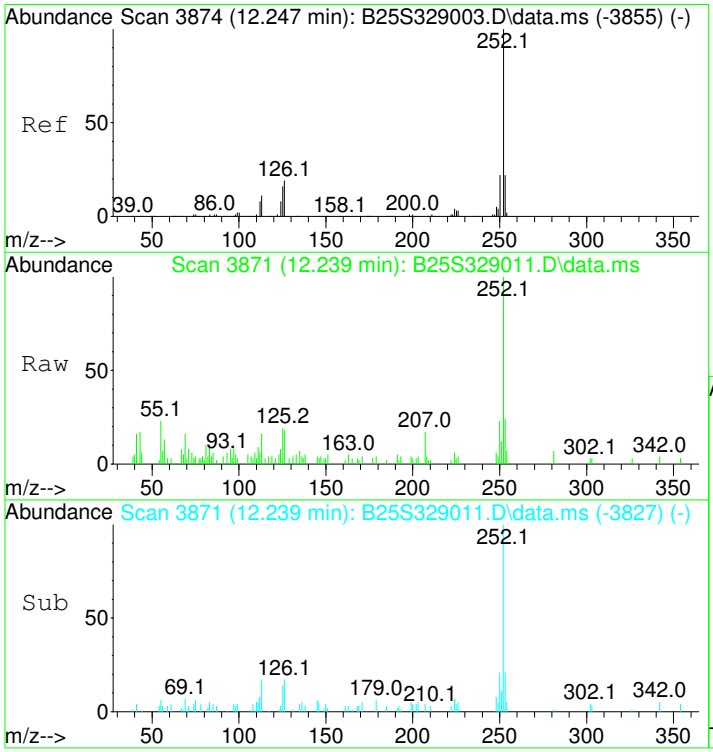


#83
Benzo(k)fluoranthene
Concen: 0.82 ug/ml
RT: 11.681 min Scan# 3654
Delta R.T. -0.023 min
Lab File: B25S329011.D
Acq: 25 Nov 2025 5:26 pm

Tgt Ion:252 Resp: 5977

Ion	Ratio	Lower	Upper
252	100		
253	22.4	0.7	40.7
126	7.4	0.0	39.4

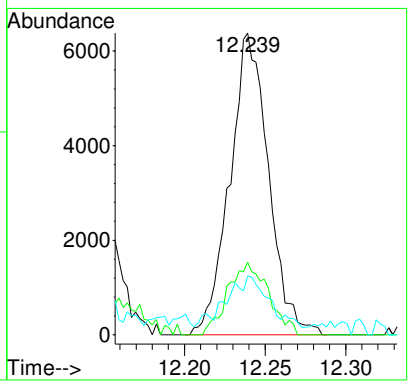


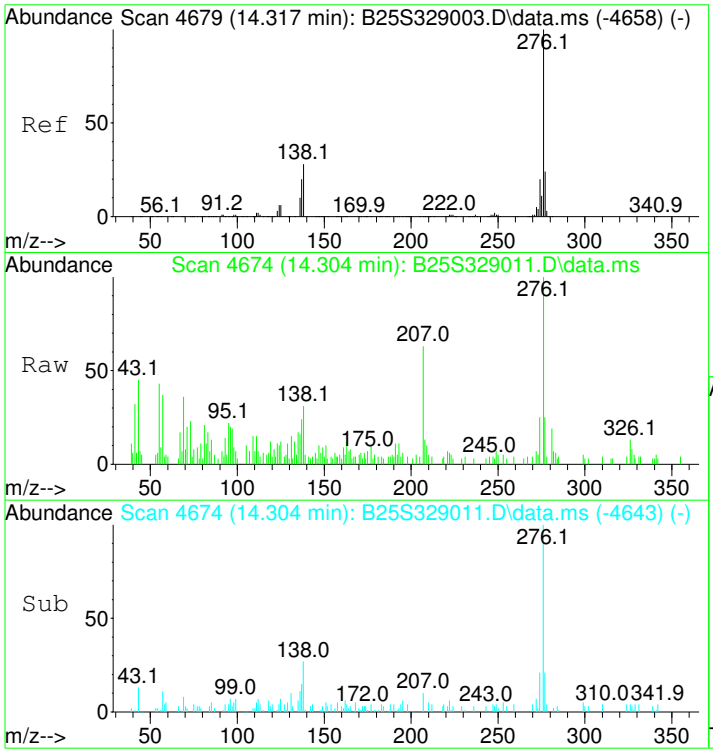


#84
Benzo(a)pyrene
Concen: 1.57 ug/ml
RT: 12.239 min Scan# 3871
Delta R.T. -0.013 min
Lab File: B25S329011.D
Acq: 25 Nov 2025 5:26 pm

Tgt Ion:252 Resp: 10613

Ion	Ratio	Lower	Upper
252	100		
253	25.1	0.4	40.4
125	14.0	0.0	34.0

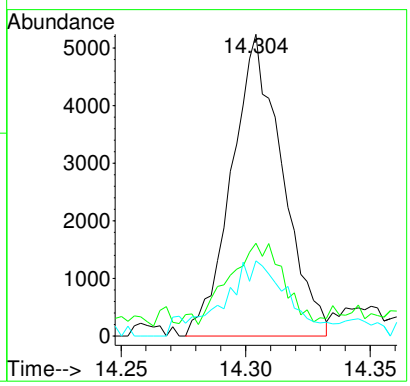


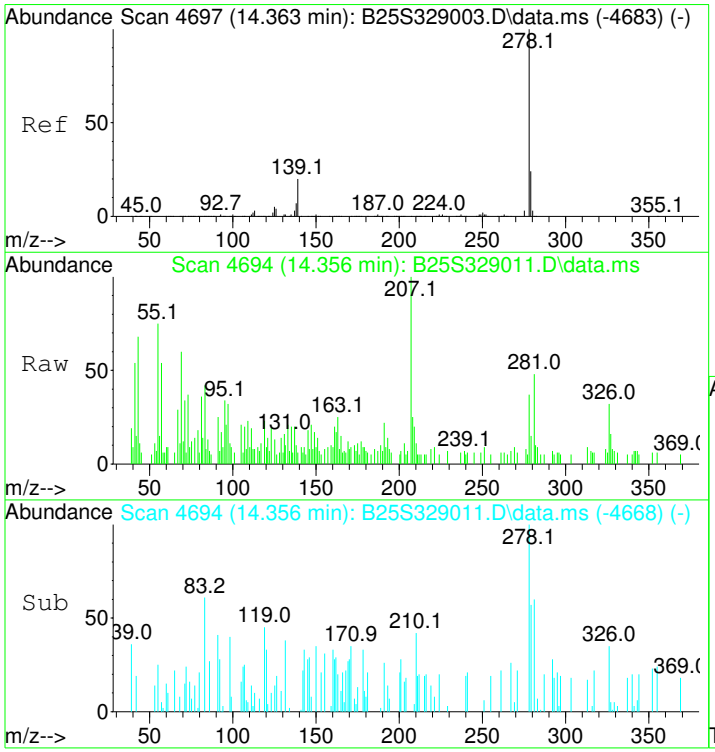


#85
Indeno(1,2,3-cd)pyrene
Concen: 1.23 ug/ml
RT: 14.304 min Scan# 4674
Delta R.T. -0.010 min
Lab File: B25S329011.D
Acq: 25 Nov 2025 5:26 pm

Tgt Ion:276 Resp: 7407

Ion	Ratio	Lower	Upper
276	100		
138	29.1	5.0	45.0
277	30.4	4.1	44.1

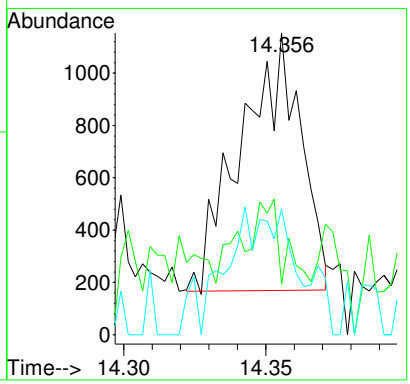


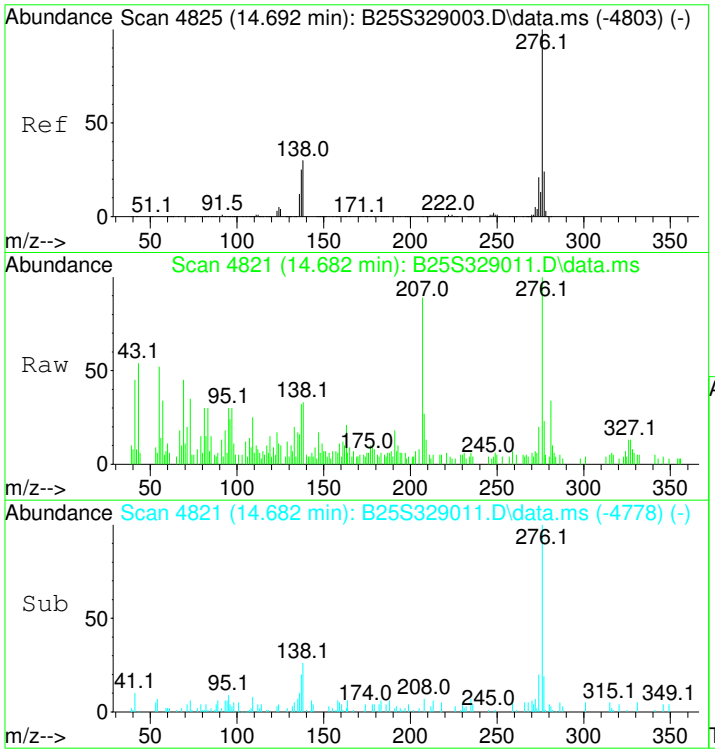


#86
Dibenz(a,h)anthracene
Concen: 0.23 ug/ml m
RT: 14.356 min Scan# 4694
Delta R.T. -0.005 min
Lab File: B25S329011.D
Acq: 25 Nov 2025 5:26 pm

Tgt Ion:278 Resp: 1431

Ion	Ratio	Lower	Upper
278	100		
139	12.4	1.1	41.1
279	22.8	3.5	43.5

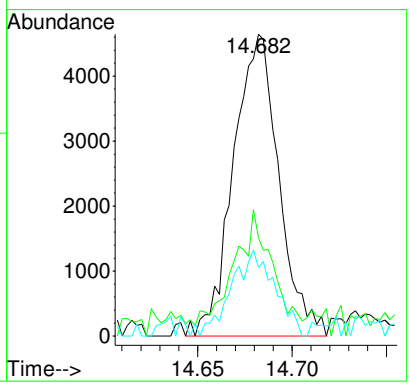




#87
Benzo(g,h,i)perylene
Concen: 1.16 ug/ml
RT: 14.682 min Scan# 4821
Delta R.T. -0.005 min
Lab File: B25S329011.D
Acq: 25 Nov 2025 5:26 pm

Tgt Ion:276 Resp: 7754

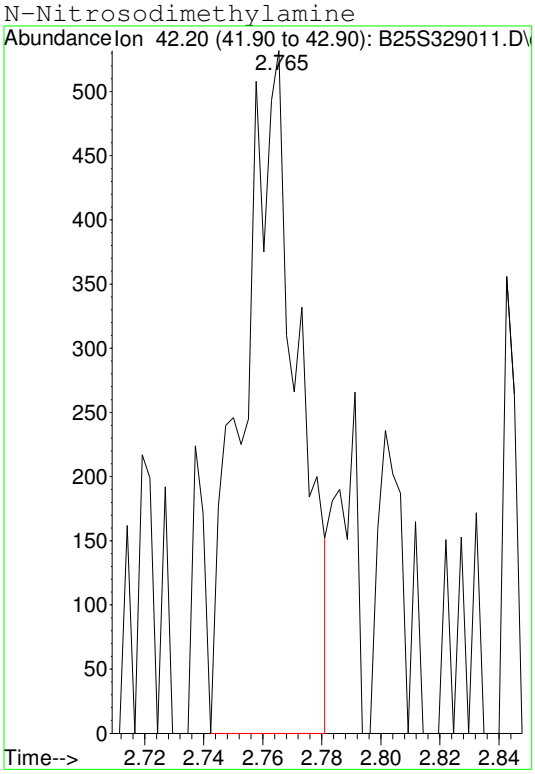
Ion	Ratio	Lower	Upper
276	100		
138	33.5	5.6	45.6
277	27.4	3.2	43.2



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329011.D
Acq On : 25 Nov 2025 5:26 pm
Operator : BGL
Sample : 25K1216-04
Misc :

Quant Time : Wed Nov 26 11:42:31 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
N-Nitrosodimethylamine



Original Int. Results

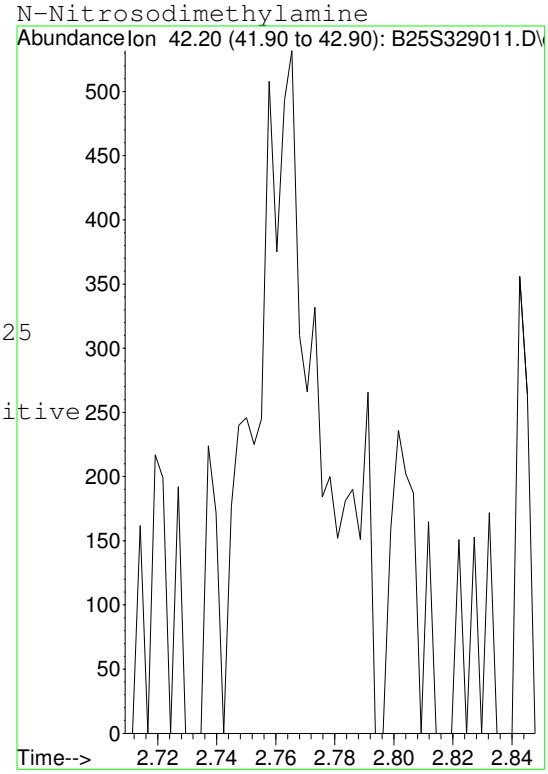
RT : 2.77
Area : 692
Amount: 0.631753

Manual Int. Results

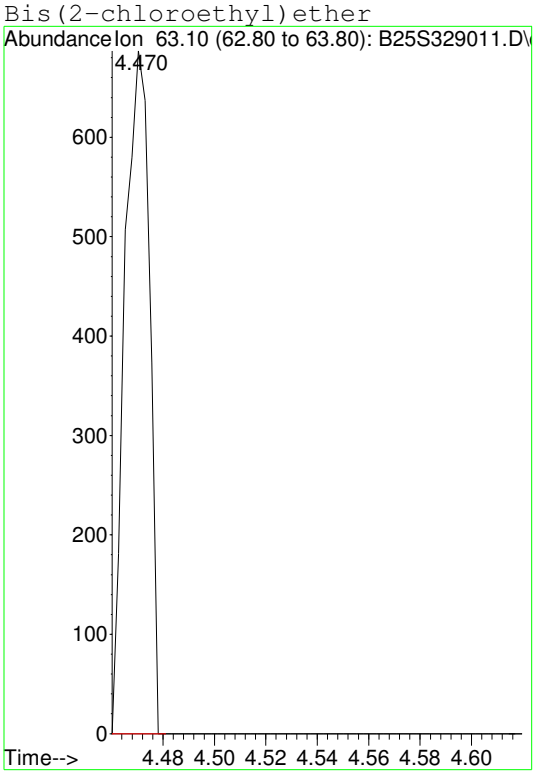
Wed Nov 26 11:41:32 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
N-Nitrosodimethylamine



Original Integration
Bis(2-chloroethyl)ether



Original Int. Results

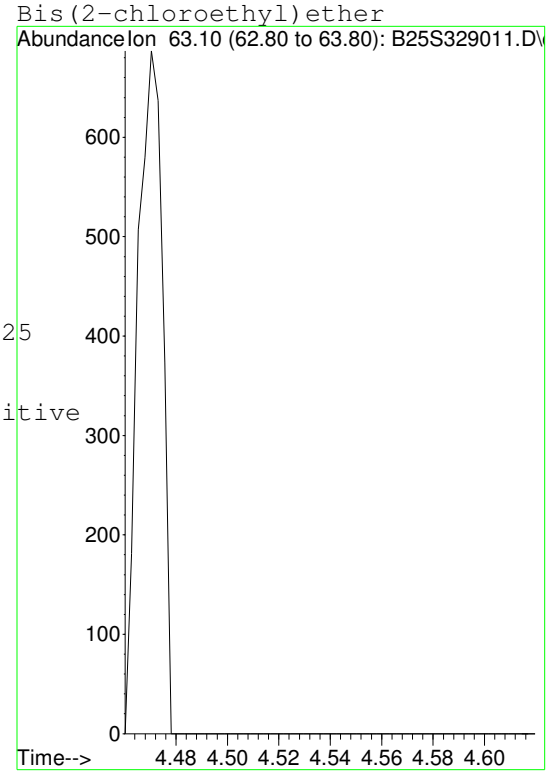
RT : 4.47
Area : 458
Amount: 0.290161

Manual Int. Results

Wed Nov 26 11:41:32 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

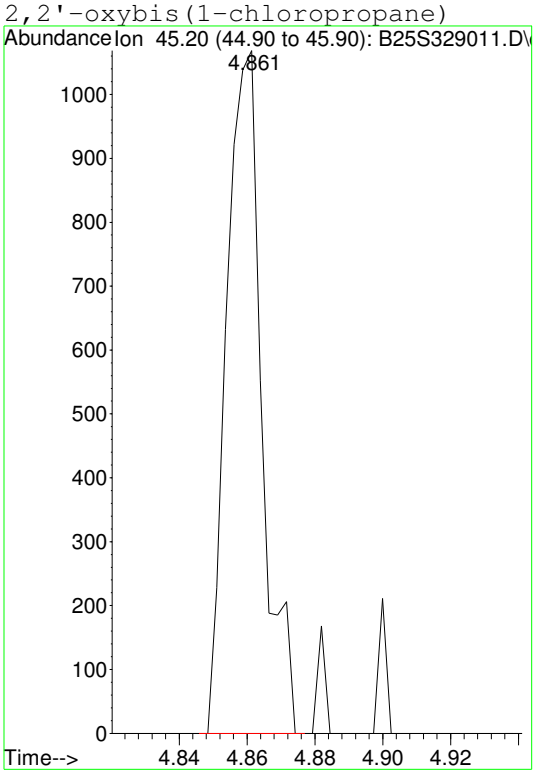
Manual Integration
Bis(2-chloroethyl)ether



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329011.D
Acq On : 25 Nov 2025 5:26 pm
Operator : BGL
Sample : 25K1216-04
Misc :

Quant Time : Wed Nov 26 11:42:31 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
2,2'-oxybis(1-chloropropane)



Original Int. Results

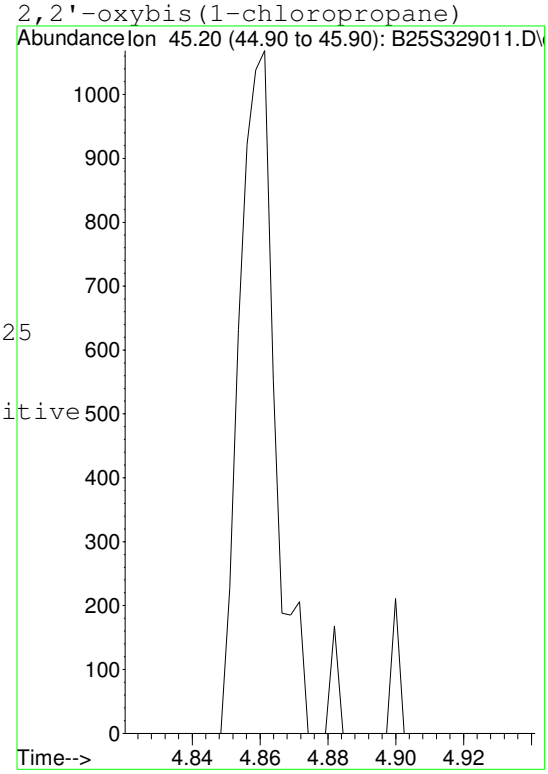
RT : 4.86
Area : 775
Amount: 0.302863

Manual Int. Results

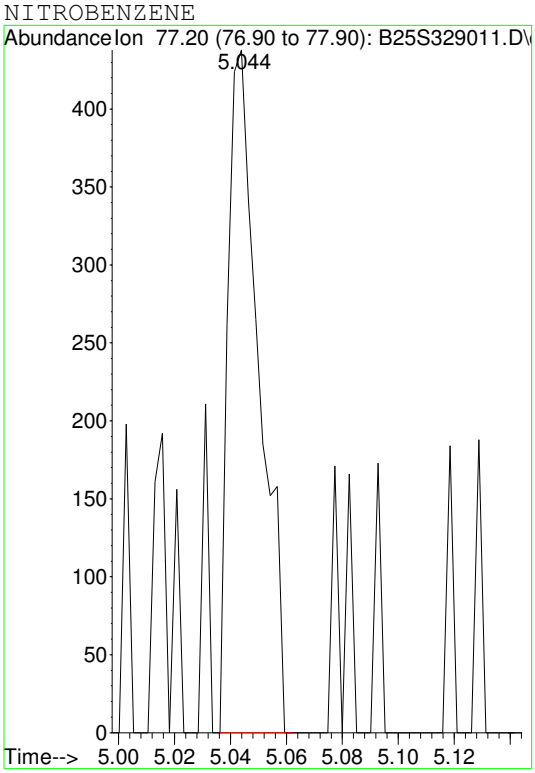
Wed Nov 26 11:41:32 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2,2'-oxybis(1-chloropropane)



Original Integration
NITROBENZENE



Original Int. Results

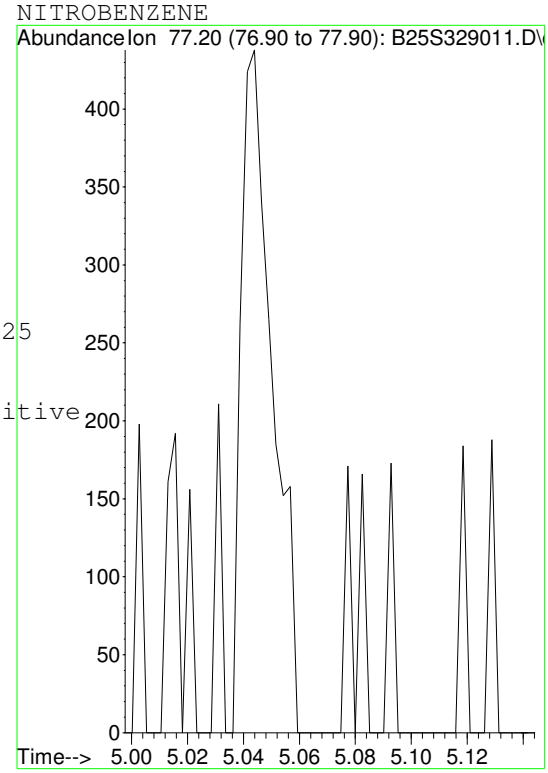
RT : 5.04
Area : 343
Amount: 0.141642

Manual Int. Results

Wed Nov 26 11:41:31 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

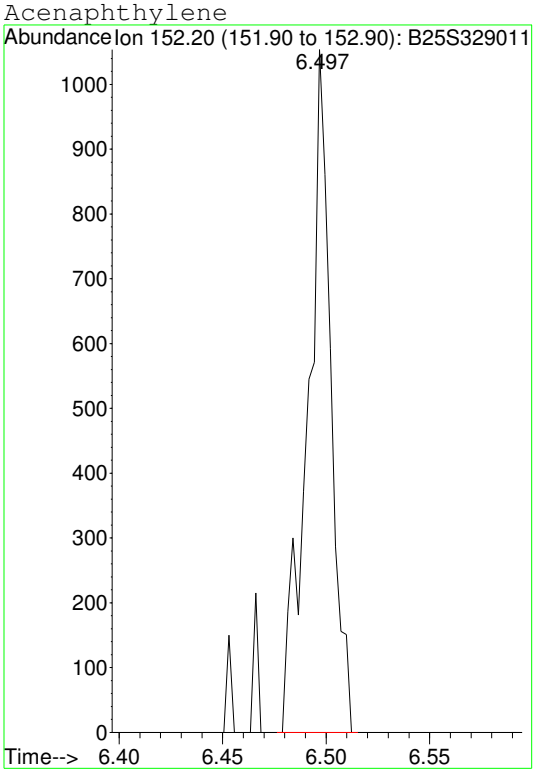
Manual Integration
NITROBENZENE



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329011.D
Acq On : 25 Nov 2025 5:26 pm
Operator : BGL
Sample : 25K1216-04
Misc :

Quant Time : Wed Nov 26 11:42:31 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Acenaphthylene



Original Int. Results

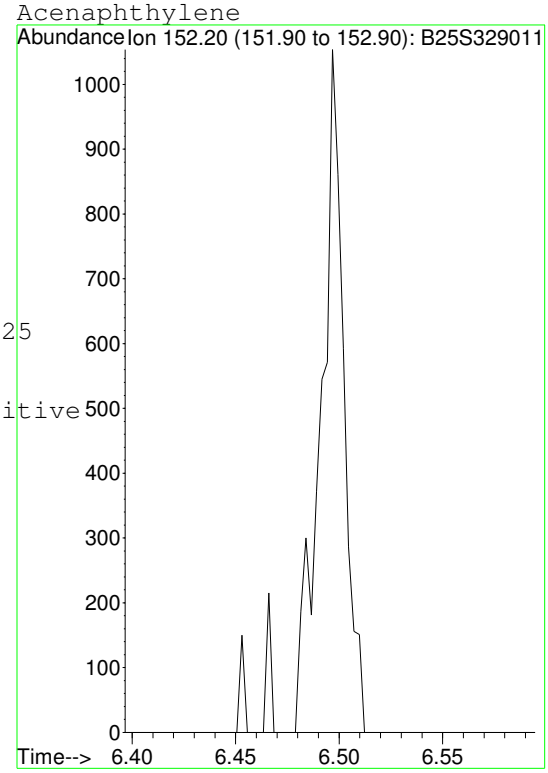
RT : 6.50
Area : 811
Amount: 0.129051

Manual Int. Results

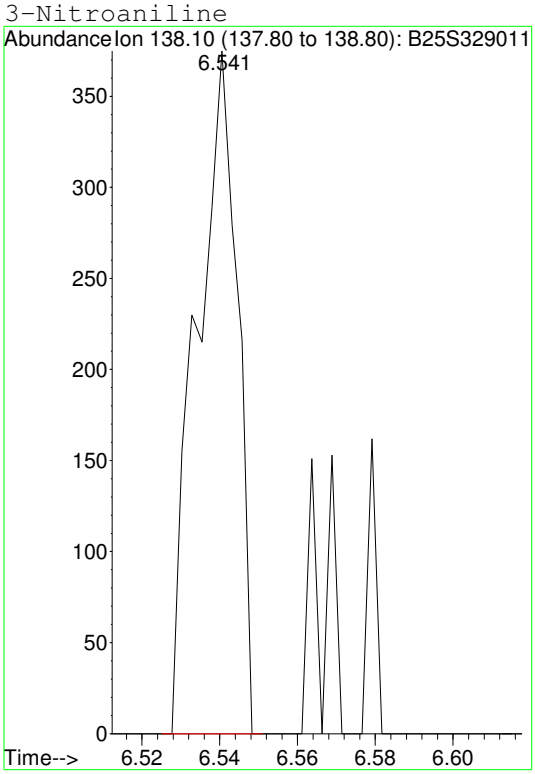
Wed Nov 26 11:41:38 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Acenaphthylene



Original Integration
3-Nitroaniline



Original Int. Results

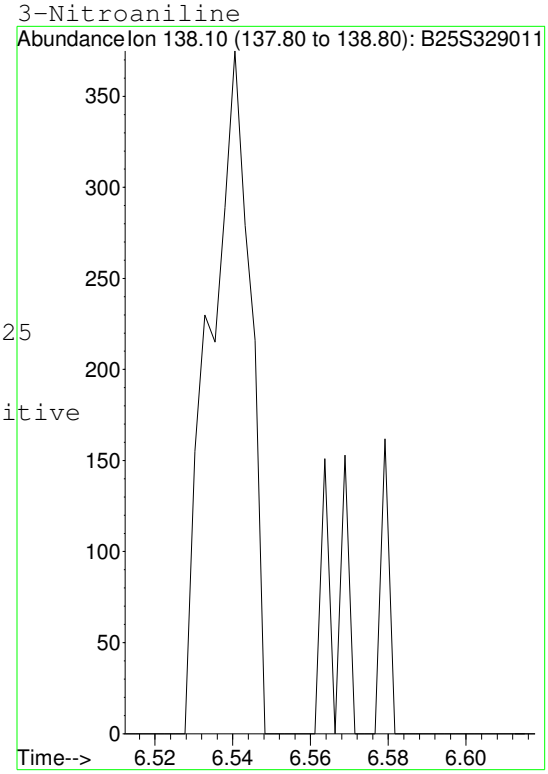
RT : 6.54
Area : 271
Amount: 0.230785

Manual Int. Results

Wed Nov 26 11:41:31 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

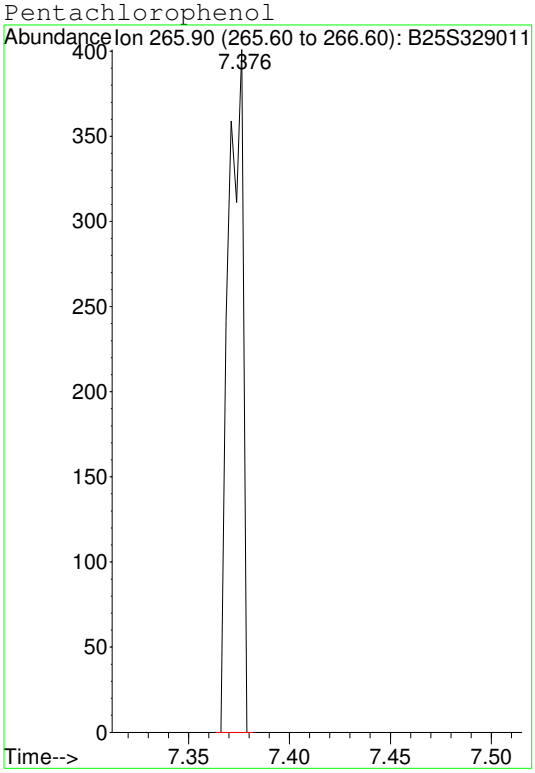
Manual Integration
3-Nitroaniline



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329011.D
Acq On : 25 Nov 2025 5:26 pm
Operator : BGL
Sample : 25K1216-04
Misc :

Quant Time : Wed Nov 26 11:42:31 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Pentachlorophenol



Original Int. Results

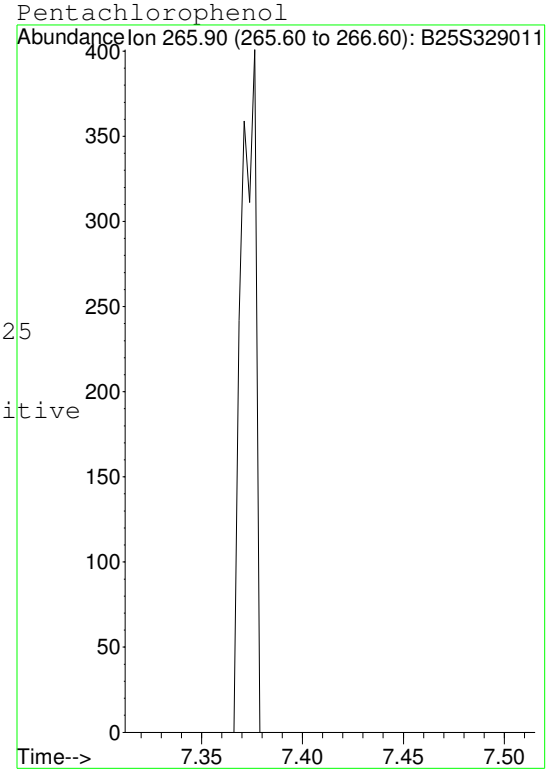
RT : 7.38
Area : 203
Amount: 0.22579

Manual Int. Results

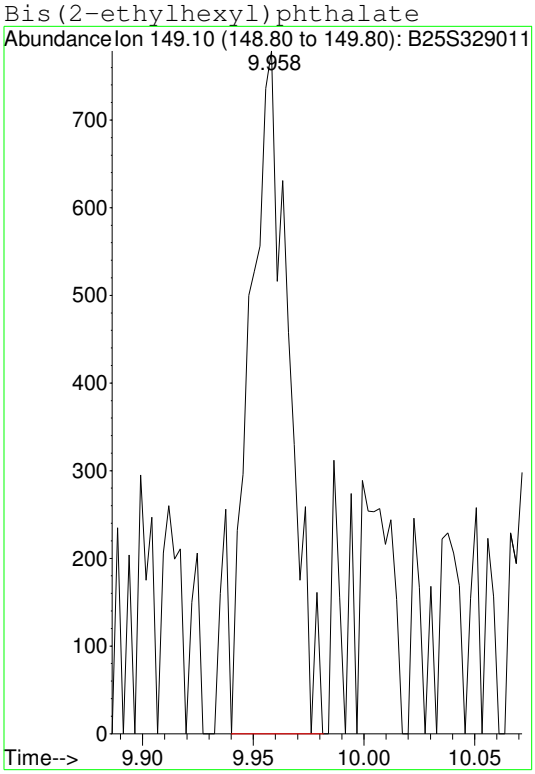
Wed Nov 26 11:41:47 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Pentachlorophenol



Original Integration
Bis(2-ethylhexyl)phthalate



Original Int. Results

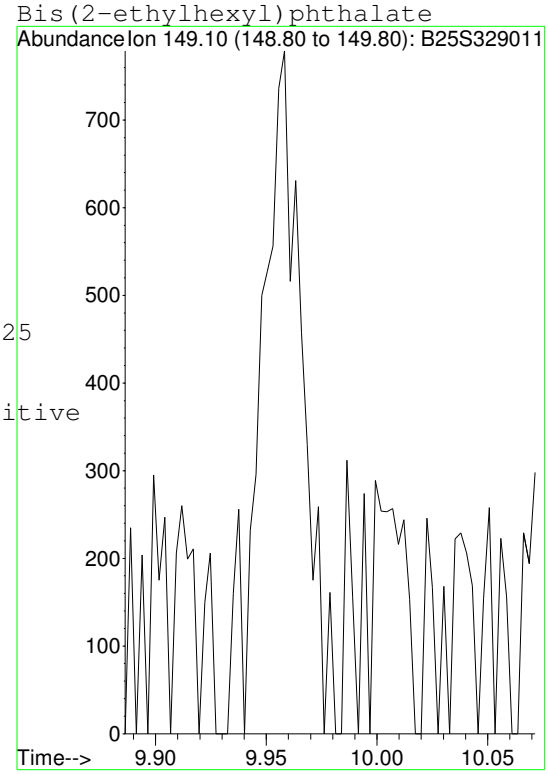
RT : 9.96
Area : 950
Amount: 0.269241

Manual Int. Results

Wed Nov 26 11:42:03 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

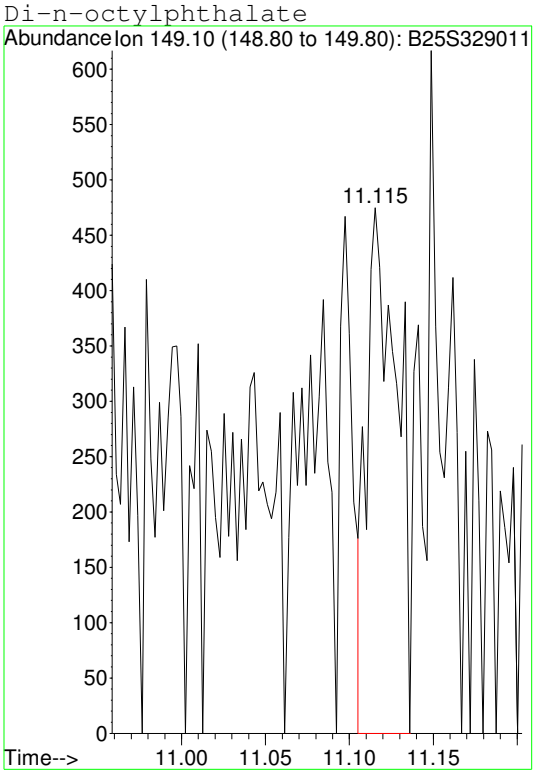
Manual Integration
Bis(2-ethylhexyl)phthalate



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329011.D
Acq On : 25 Nov 2025 5:26 pm
Operator : BGL
Sample : 25K1216-04
Misc :

Quant Time : Wed Nov 26 11:42:31 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Di-n-octylphthalate



Original Int. Results

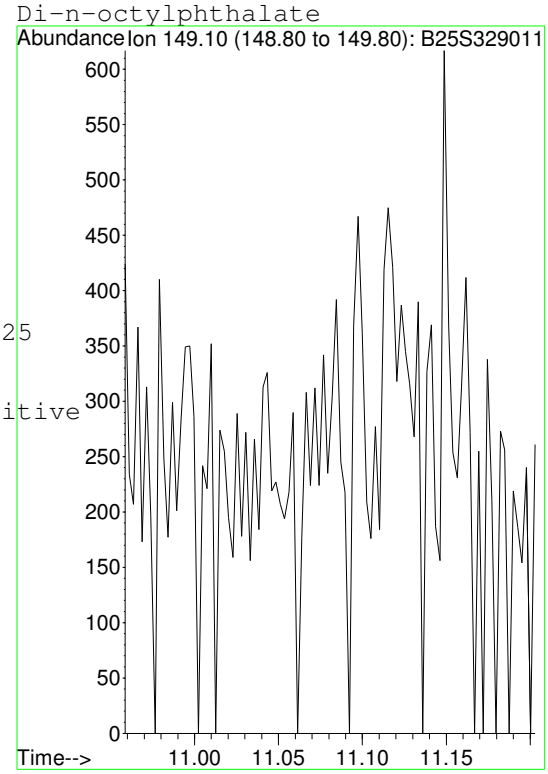
RT : 11.12
Area : 586
Amount: 0.100202

Manual Int. Results

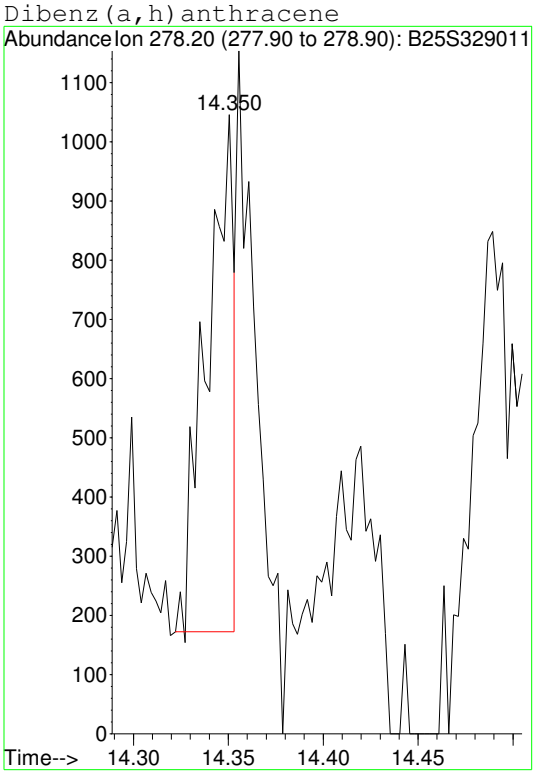
Wed Nov 26 11:42:07 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Di-n-octylphthalate



Original Integration
Dibenz(a,h)anthracene



Original Int. Results

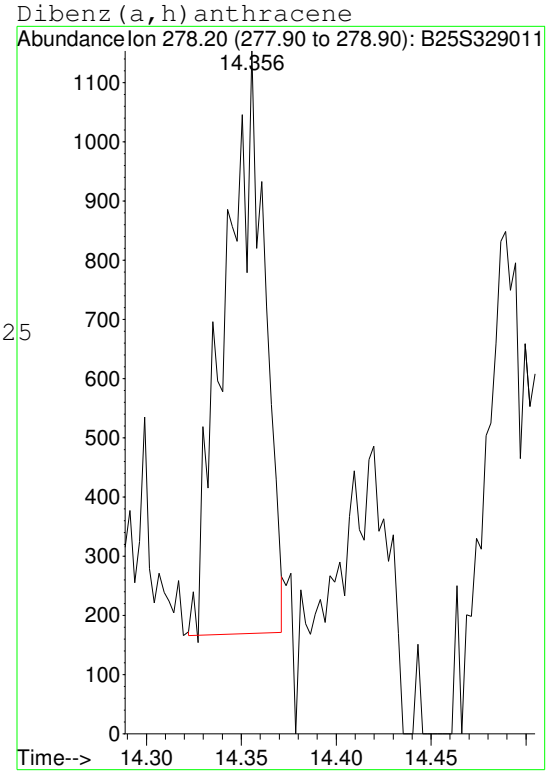
RT : 14.35
Area : 854
Amount: 0.134635

Manual Int. Results

Wed Nov 26 11:42:20 2025

MIuser: BGL
Reason: Other
RT : 14.36
Area : 1431
Amount: 0.2256

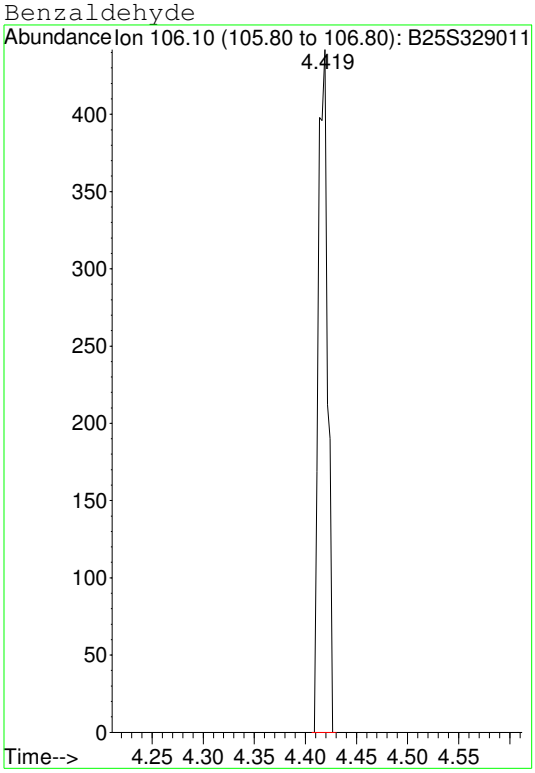
Manual Integration
Dibenz(a,h)anthracene



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329011.D
Acq On : 25 Nov 2025 5:26 pm
Operator : BGL
Sample : 25K1216-04
Misc :

Quant Time : Wed Nov 26 11:42:31 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Benzaldehyde



Original Int. Results

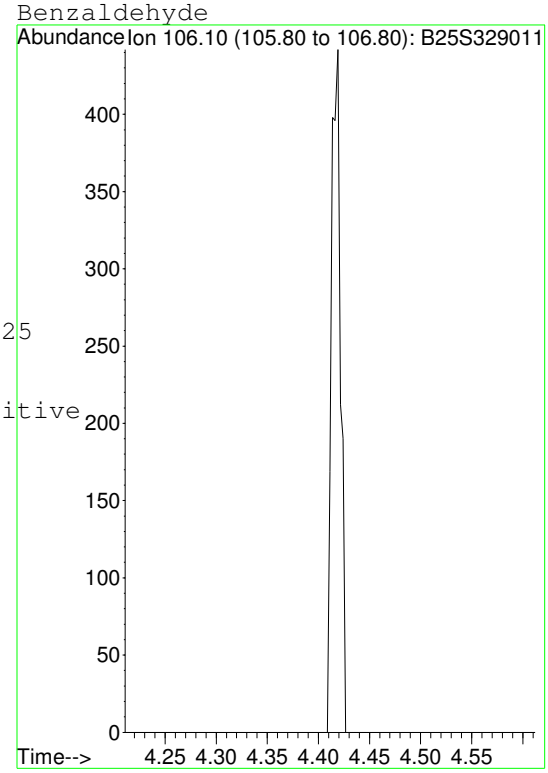
RT : 4.42
Area : 279
Amount: 0.13632

Manual Int. Results

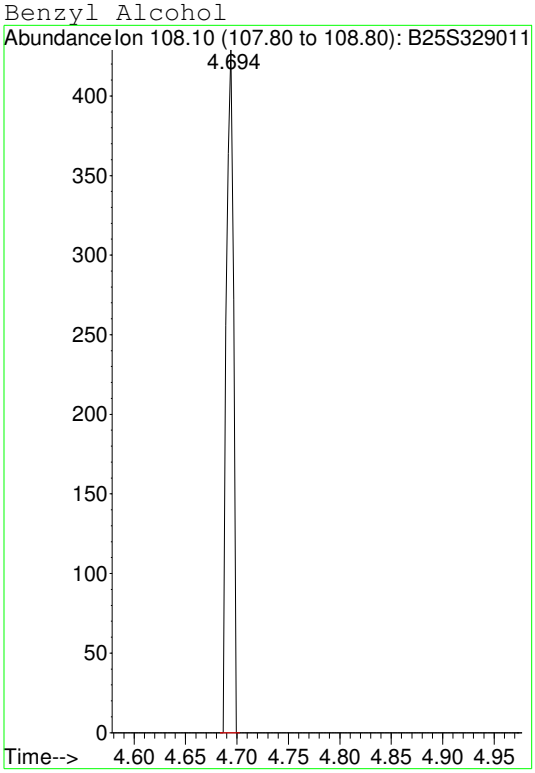
Wed Nov 26 11:42:28 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Benzaldehyde



Original Integration
Benzyl Alcohol



Original Int. Results

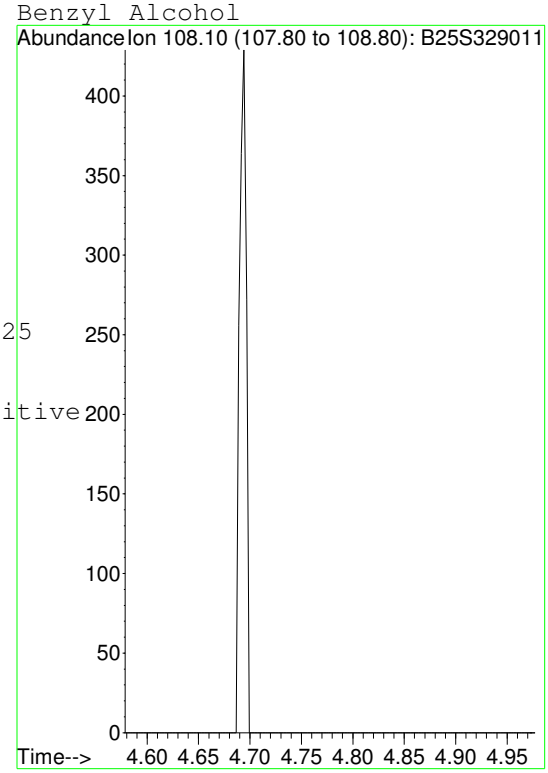
RT : 4.69
Area : 204
Amount: 0.139303

Manual Int. Results

Wed Nov 26 11:42:31 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Benzyl Alcohol



1 - FORM I
ANALYSIS DATA SHEET

E-3 (0-2in)

Laboratory:	Pace New England			Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1216-05	File ID:	B25S329012.D
Sampled:	11/17/25 16:15	Prepared:	11/21/25 07:21	Analyzed:	11/25/25 17:51
Solids:	82.35	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.07 g / 1 mL				
Batch:	B417963	Sequence:	S129060	Calibration:	2500833
Instrument:	GCMSSV2				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol		0.058	0.81	
1912-24-9	Atrazine		0.056	0.81	V-06
100-52-7	Benzaldehyde		0.057	0.41	V-34
92-52-4	Biphenyl		0.046	0.081	
105-60-2	Caprolactam		0.071	0.41	
83-32-9	Acenaphthene		0.0045	0.040	
208-96-8	Acenaphthylene	0.0057	0.0051	0.040	J
98-86-2	Acetophenone		0.043	0.41	
62-53-3	Aniline		0.078	0.41	V-34
120-12-7	Anthracene	0.0097	0.0046	0.040	J
56-55-3	Benzo(a)anthracene	0.061	0.0063	0.040	
50-32-8	Benzo(a)pyrene	0.086	0.013	0.040	
205-99-2	Benzo(b)fluoranthene	0.13	0.0099	0.040	
191-24-2	Benzo(g,h,i)perylene	0.083	0.016	0.040	
207-08-9	Benzo(k)fluoranthene	0.049	0.0082	0.040	
111-91-1	Bis(2-chloroethoxy)methane		0.042	0.41	
111-44-4	Bis(2-chloroethyl)ether		0.055	0.41	
108-60-1	2,2'-oxybis(1-Chloropropane)		0.17	0.41	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.056	0.41	V-06
101-55-3	4-Bromophenylphenylether		0.036	0.41	
85-68-7	Butylbenzylphthalate		0.047	0.41	
86-74-8	Carbazole		0.042	0.21	
106-47-8	4-Chloroaniline		0.066	0.80	
59-50-7	4-Chloro-3-methylphenol		0.043	0.80	
91-58-7	2-Chloronaphthalene		0.036	0.41	
95-57-8	2-Chlorophenol		0.036	0.41	
7005-72-3	4-Chlorophenylphenylether		0.038	0.41	
218-01-9	Chrysene	0.085	0.0052	0.040	
53-70-3	Dibenz(a,h)anthracene	0.021	0.018	0.040	J

1 - FORM I
ANALYSIS DATA SHEET

E-3 (0-2in)

Laboratory:	Pace New England			Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1216-05	File ID:	B25S329012.D
Sampled:	11/17/25 16:15	Prepared:	11/21/25 07:21	Analyzed:	11/25/25 17:51
Solids:	82.35	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.07 g / 1 mL				
Batch:	B417963	Sequence:	S129060	Calibration:	2500833
				Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
132-64-9	Dibenzofuran		0.040	0.41	
84-74-2	Di-n-butylphthalate		0.16	0.41	
91-94-1	3,3-Dichlorobenzidine		0.073	0.21	
120-83-2	2,4-Dichlorophenol		0.039	0.41	
84-66-2	Diethylphthalate		0.040	0.41	
105-67-9	2,4-Dimethylphenol		0.085	0.41	
131-11-3	Dimethylphthalate		0.037	0.41	
534-52-1	4,6-Dinitro-2-methylphenol		0.34	0.41	
51-28-5	2,4-Dinitrophenol		0.39	0.80	V-04, V-06
121-14-2	2,4-Dinitrotoluene		0.097	0.41	
606-20-2	2,6-Dinitrotoluene		0.052	0.41	
117-84-0	Di-n-octylphthalate		0.060	0.41	V-06
206-44-0	Fluoranthene	0.15	0.0057	0.040	
86-73-7	Fluorene		0.0048	0.040	
118-74-1	Hexachlorobenzene		0.041	0.41	
87-68-3	Hexachlorobutadiene		0.042	0.41	
77-47-4	Hexachlorocyclopentadiene		0.20	0.41	
67-72-1	Hexachloroethane		0.037	0.41	
193-39-5	Indeno(1,2,3-cd)pyrene	0.089	0.016	0.040	
78-59-1	Isophorone		0.044	0.41	
90-12-0	1-Methylnaphthalene		0.0051	0.040	
91-57-6	2-Methylnaphthalene		0.0046	0.040	
95-48-7	2-Methylphenol		0.052	0.41	
108-39-4/106-44	3/4-Methylphenol		0.067	0.41	
91-20-3	Naphthalene		0.0058	0.040	
88-74-4	2-Nitroaniline		0.063	0.41	
99-09-2	3-Nitroaniline		0.054	0.41	
100-01-6	4-Nitroaniline		0.058	0.41	
98-95-3	Nitrobenzene		0.046	0.41	

1 - FORM I
ANALYSIS DATA SHEET

E-3 (0-2in)

Laboratory:	Pace New England			Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1216-05	File ID:	B25S329012.D
Sampled:	11/17/25 16:15	Prepared:	11/21/25 07:21	Analyzed:	11/25/25 17:51
Solids:	82.35	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.07 g / 1 mL				
Batch:	B417963	Sequence:	S129060	Calibration:	2500833	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
88-75-5	2-Nitrophenol		0.042	0.41	
100-02-7	4-Nitrophenol		0.16	0.80	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.053	0.41	
621-64-7	N-Nitrosodi-n-propylamine		0.051	0.41	
87-86-5	Pentachlorophenol		0.052	0.41	
85-01-8	Phenanthrene	0.066	0.0041	0.040	
108-95-2	Phenol		0.039	0.41	
129-00-0	Pyrene	0.10	0.0069	0.040	
110-86-1	Pyridine		0.052	0.41	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.039	0.41	
95-95-4	2,4,5-Trichlorophenol		0.042	0.41	
88-06-2	2,4,6-Trichlorophenol		0.036	0.41	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329012.D
Acq On : 25 Nov 2025 5:51 pm
Operator : BGL
Sample : 25K1216-05 Inst : GCMSSV2
Misc :
ALS Vial : 12 Sample Multiplier: 1

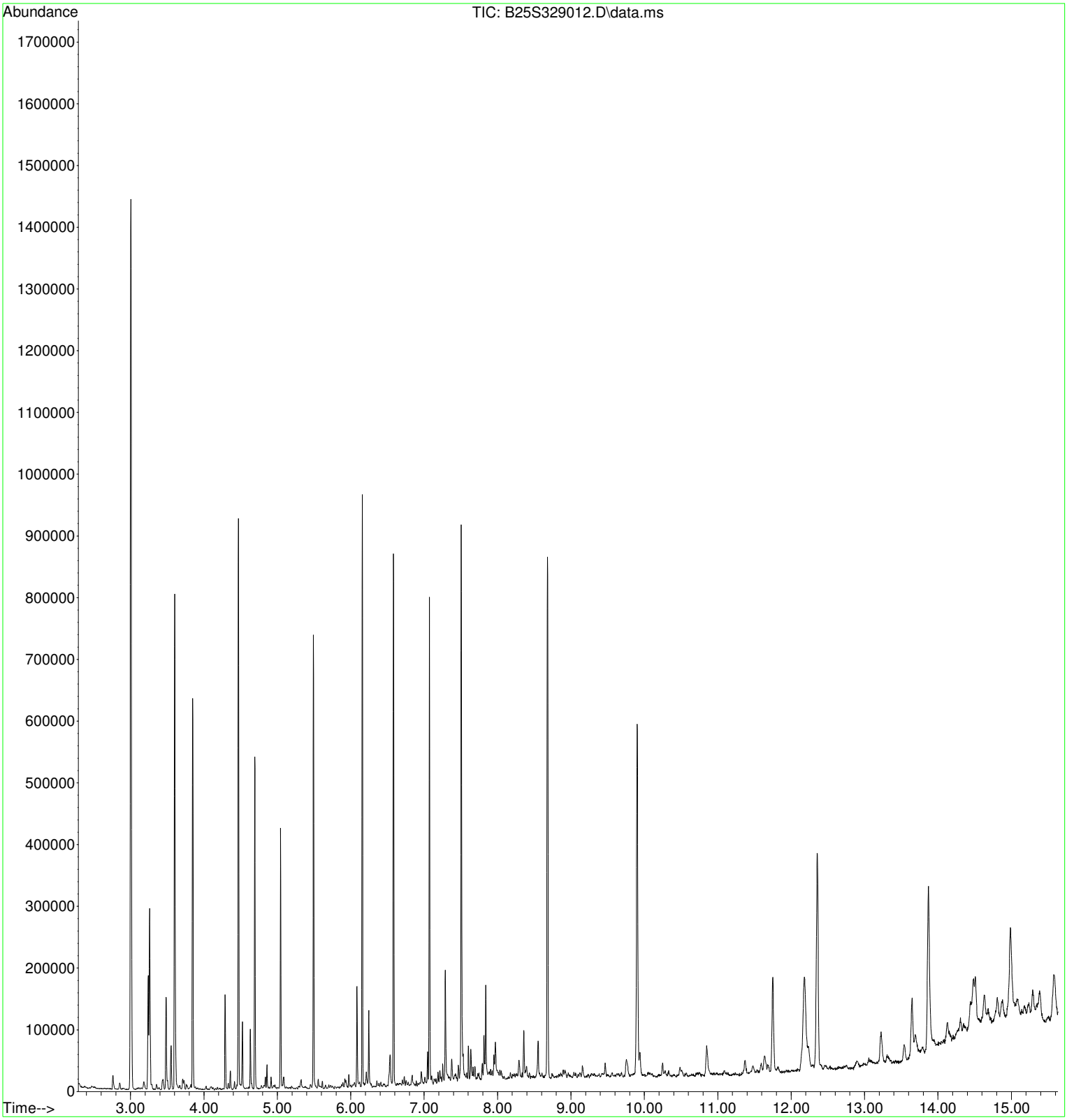
Quant Time: Nov 25 18:06:54 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

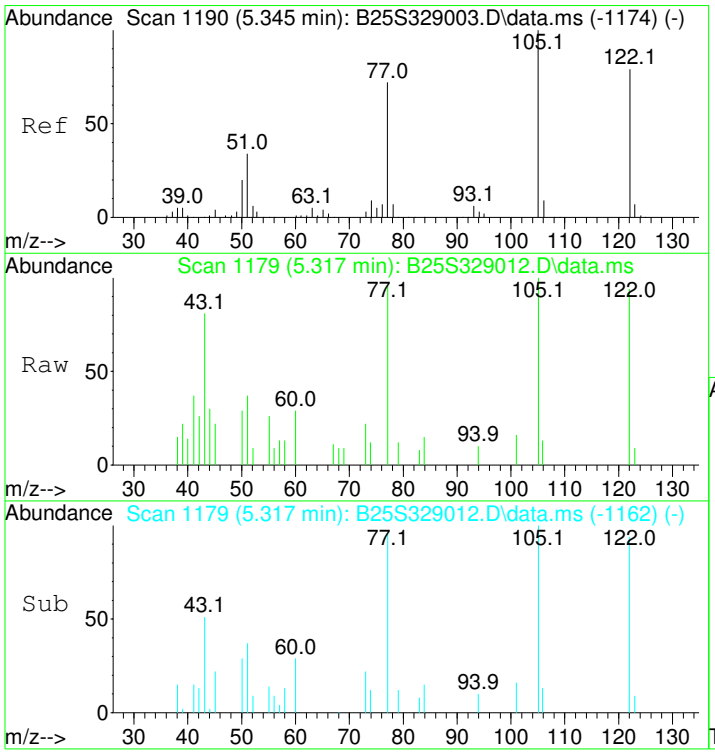
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.692	152	61282	40.00	ug/ml	-0.01
19) NAPHTHALENE-d8	5.491	136	237125	40.00	ug/ml	-0.01
35) ACENAPHTHENE-D10	6.582	164	124923	40.00	ug/ml	-0.01
58) PHENANTHRENE-D10	7.505	188	211135	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.902	240	221764	40.00	ug/ml	-0.01
80) PERYLENE-D12	12.355	264	204507	40.00	ug/ml	0.00
88) 1,4-Dichlorobenzene-D4...	4.692	152	61282	40.00	ug/ml	-0.01
92) NAPHTHALENE-d8 (2)	5.491	136	237125	40.00	ug/ml	0.00
95) ACENAPHTHENE-D10 (2)	6.582	164	124923	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	3.846	112	139839	81.68	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 40.84%			
3) Phenol-d6	4.471	99	234775	83.16	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 41.58%			
20) Nitrobenzene-d5	5.044	82	93273	39.52	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 39.52%			
36) 2-Fluorobiphenyl	6.157	172	192881	46.77	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 46.77%			
37) 2,4,6-Tribromophenol	7.073	330	58797	105.98	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 52.99%			
72) p-Terphenyl-d14	8.680	244	242777	52.86	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 52.86%			
Target Compounds						Qvalue
26) Benzoic Acid	5.317	122	1357	1.16	ug/ml#	82
47) Acenaphthylene	6.497	152	844	0.14	ug/ml	94
66) Phenanthrene	7.520	178	10738	1.63	ug/ml	95
67) Anthracene	7.554	178	1564	0.24	ug/ml	95
68) Carbazole	7.652	167	1814	0.30	ug/ml	90
70) Flouranthene	8.356	202	24342	3.73	ug/ml	100
74) Pyrene	8.554	202	20847	2.56	ug/ml	95
77) Benzo(a)anthracene	9.891	228	11255	1.50	ug/ml	90
78) Chrysene	9.940	228	15615	2.11	ug/ml	95
82) Benzo(b)fluoranthene	11.637	252	19794	3.16	ug/ml	91
83) Benzo(k)fluoranthene	11.686	252	7611	1.22	ug/ml	97
84) Benzo(a)pyrene	12.237	252	12405	2.13	ug/ml	90
85) Indeno(1,2,3-cd)pyrene	14.307	276	11432	2.21	ug/ml	94
86) Dibenz(a,h)anthracene	14.345	278	2872m	0.53	ug/ml	
87) Benzo(g,h,i)perylene	14.682	276	11799	2.05	ug/ml	88
90) Benzaldehyde	4.417	106	1759	0.86	ug/ml	90
91) Benzyl Alcohol	4.782	108	296	0.20	ug/ml#	5

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

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329012.D
Acq On : 25 Nov 2025 5:51 pm
Operator : BGL
Sample : 25K1216-05 Inst : GCMSSV2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 25 18:06:54 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

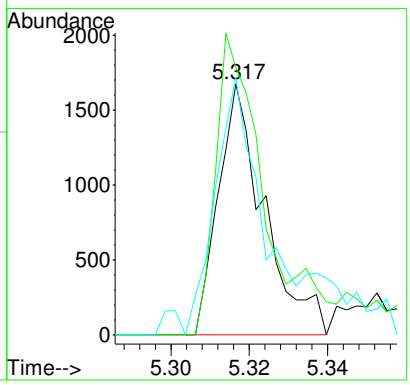


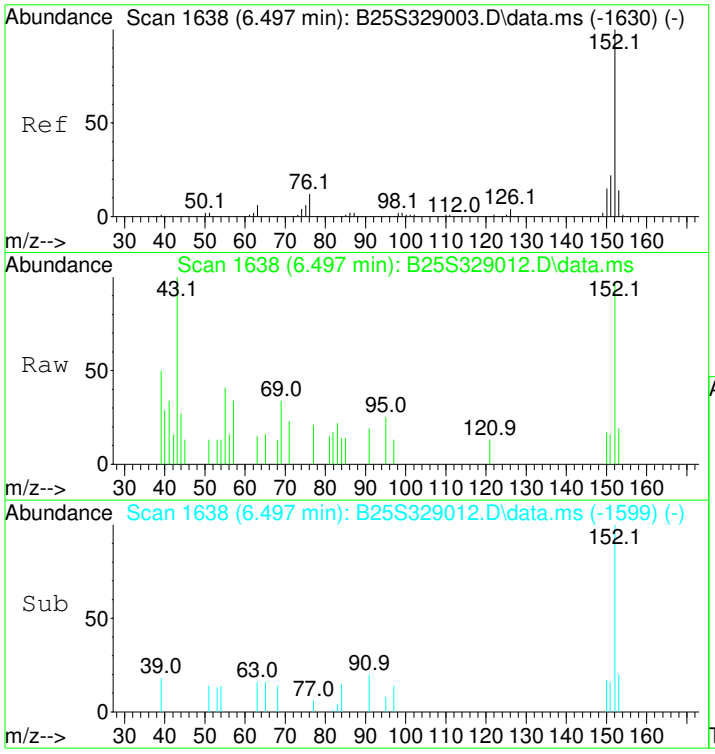


#26
Benzoic Acid
Concen: 1.16 ug/ml
RT: 5.317 min Scan# 1179
Delta R.T. -0.023 min
Lab File: B25S329012.D
Acq: 25 Nov 2025 5:51 pm

Tgt Ion:122 Resp: 1357

Ion	Ratio	Lower	Upper
122	100		
105	129.3	95.4	135.4
77	106.0	64.2	104.2#

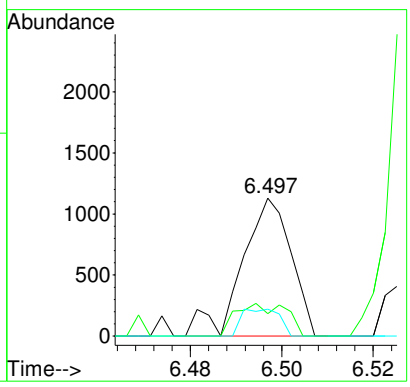


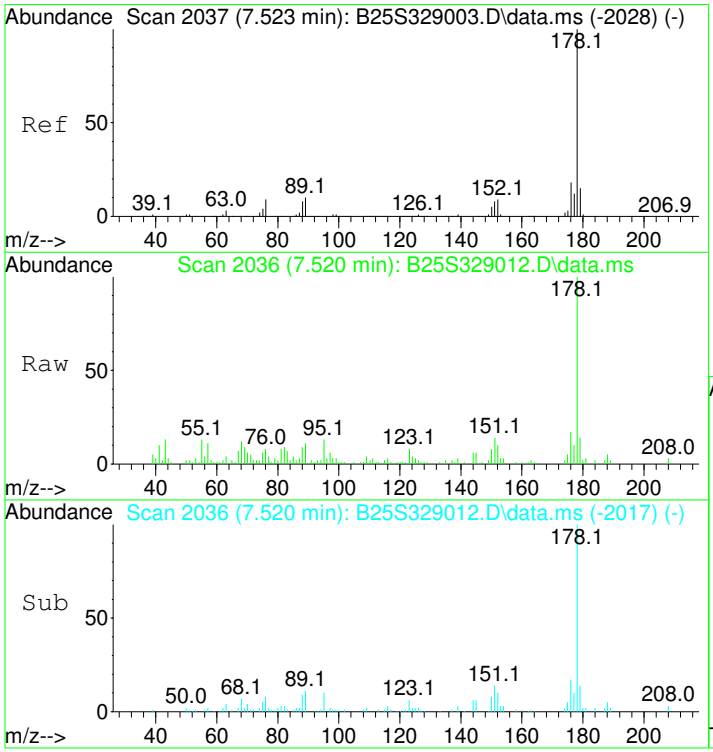


#47
Acenaphthylene
Concen: 0.14 ug/ml
RT: 6.497 min Scan# 1638
Delta R.T. -0.008 min
Lab File: B25S329012.D
Acq: 25 Nov 2025 5:51 pm

Tgt Ion:152 Resp: 844

Ion	Ratio	Lower	Upper
152	100		
151	24.2	1.0	41.0
153	15.2	0.0	33.1

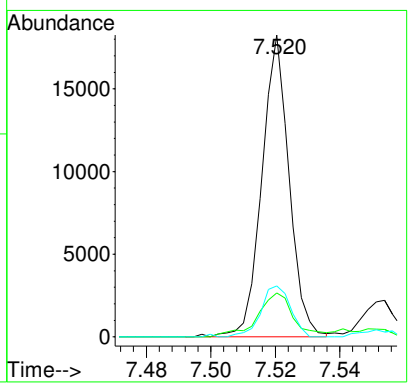


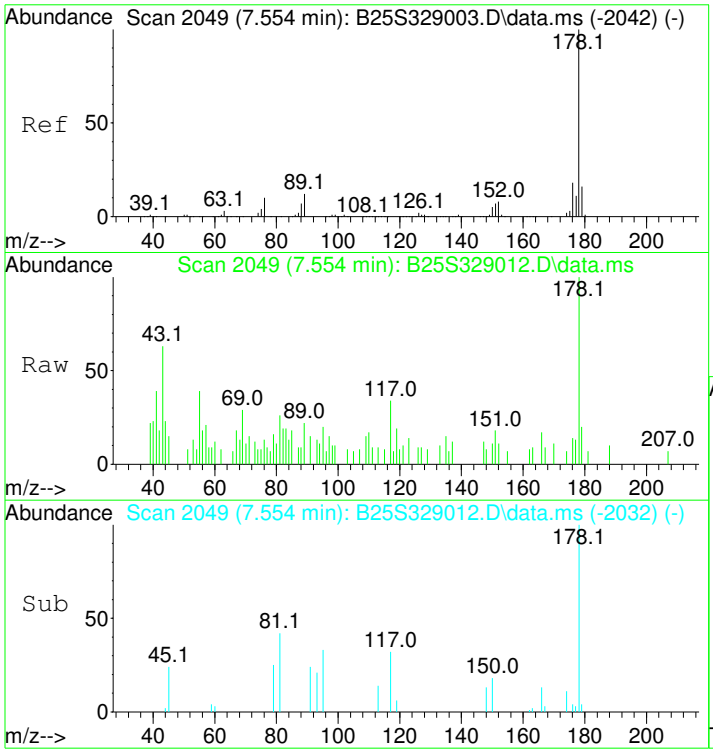


#66
Phenanthrene
Concen: 1.63 ug/ml
RT: 7.520 min Scan# 2036
Delta R.T. -0.008 min
Lab File: B25S329012.D
Acq: 25 Nov 2025 5:51 pm

Tgt Ion:178 Resp: 10738

Ion	Ratio	Lower	Upper
178	100		
179	19.1	0.0	35.5
176	18.3	0.0	39.0

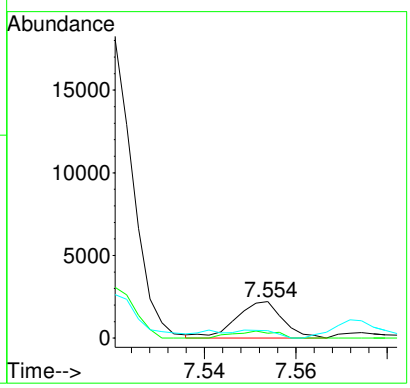


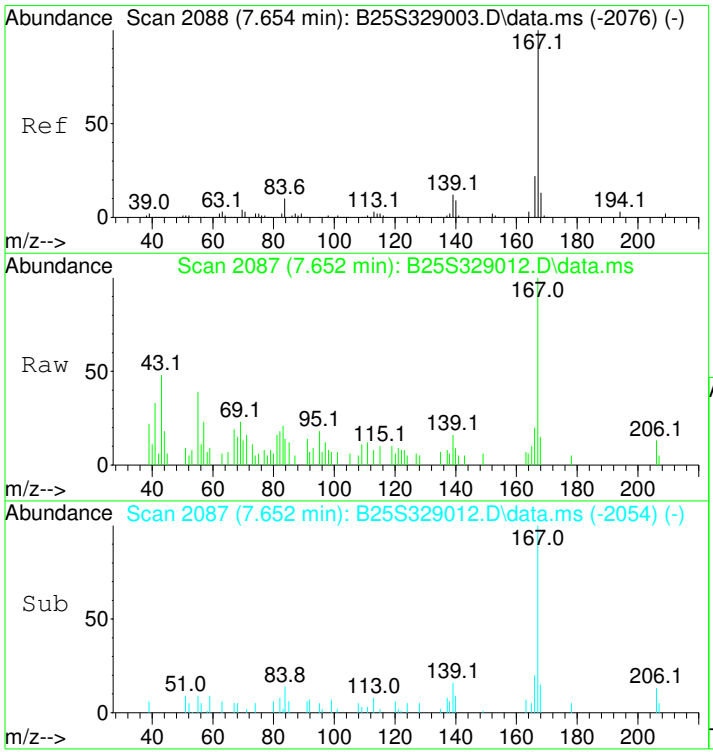


#67
Anthracene
Concen: 0.24 ug/ml
RT: 7.554 min Scan# 2049
Delta R.T. -0.008 min
Lab File: B25S329012.D
Acq: 25 Nov 2025 5:51 pm

Tgt Ion:178 Resp: 1564

Ion	Ratio	Lower	Upper
178	100		
176	18.0	0.0	38.3
179	19.3	0.0	35.5

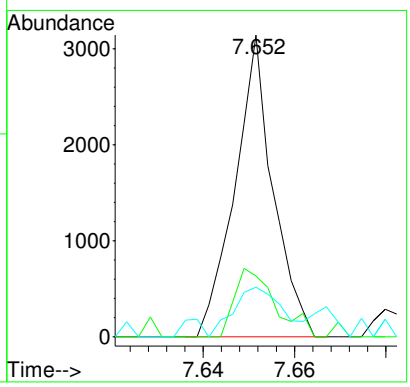


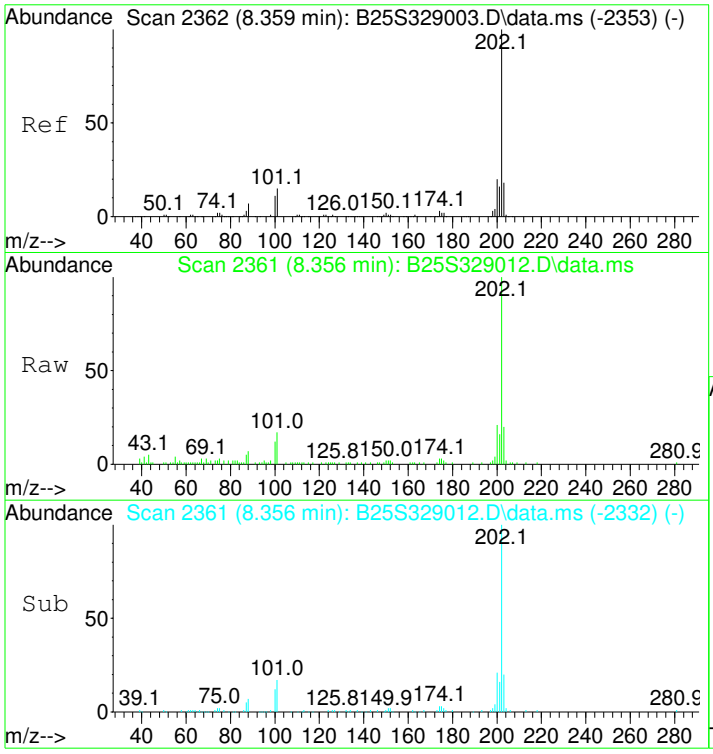


#68
Carbazole
Concen: 0.30 ug/ml
RT: 7.652 min Scan# 2087
Delta R.T. -0.005 min
Lab File: B25S329012.D
Acq: 25 Nov 2025 5:51 pm

Tgt Ion:167 Resp: 1814

Ion	Ratio	Lower	Upper
167	100		
166	24.1	1.9	41.9
139	21.3	0.0	33.5

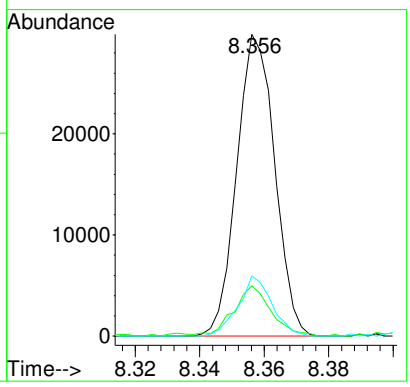


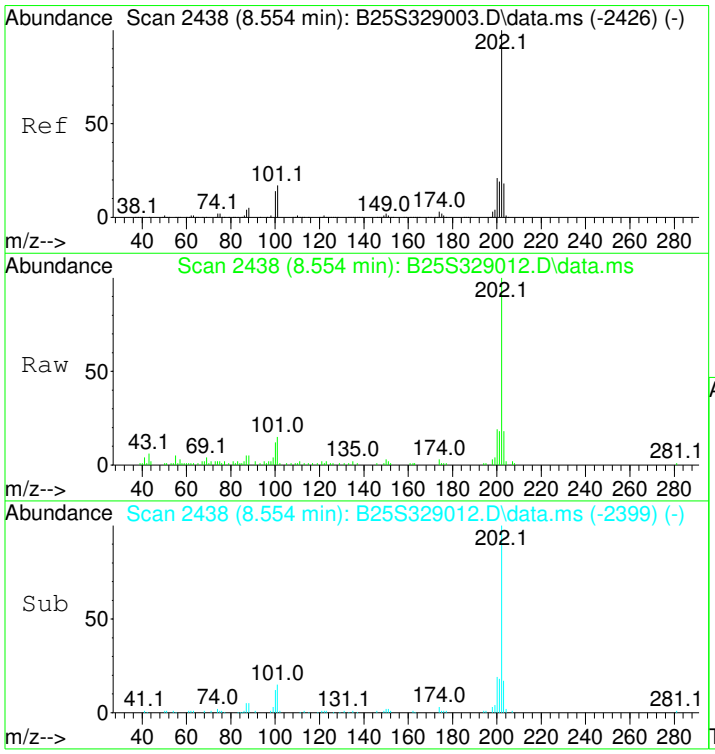


#70
Flouranthene
Concen: 3.73 ug/ml
RT: 8.356 min Scan# 2361
Delta R.T. -0.010 min
Lab File: B25S329012.D
Acq: 25 Nov 2025 5:51 pm

Tgt Ion:202 Resp: 24342

Ion	Ratio	Lower	Upper
202	100		
101	16.3	0.0	36.2
203	17.8	0.0	37.5

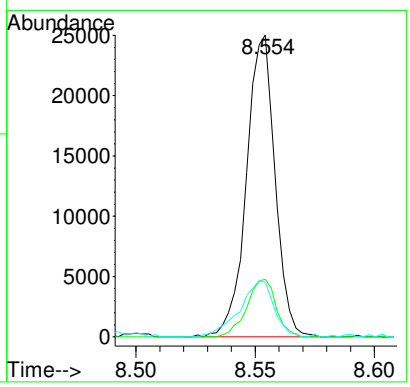


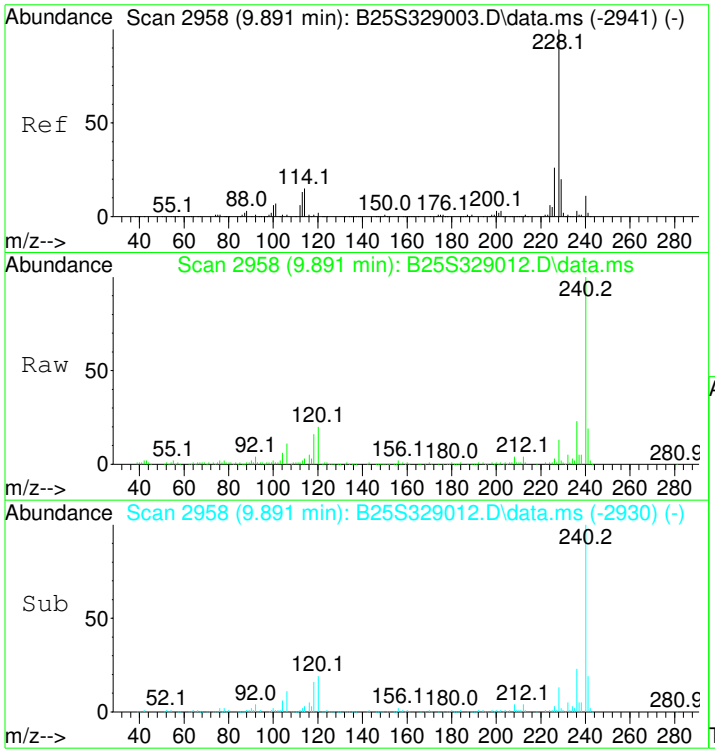


#74
Pyrene
Concen: 2.56 ug/ml
RT: 8.554 min Scan# 2438
Delta R.T. -0.008 min
Lab File: B25S329012.D
Acq: 25 Nov 2025 5:51 pm

Tgt Ion:202 Resp: 20847

Ion	Ratio	Lower	Upper
202	100		
200	19.5	0.1	40.1
203	22.3	0.0	38.1

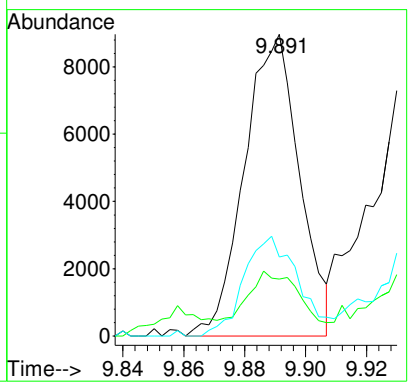


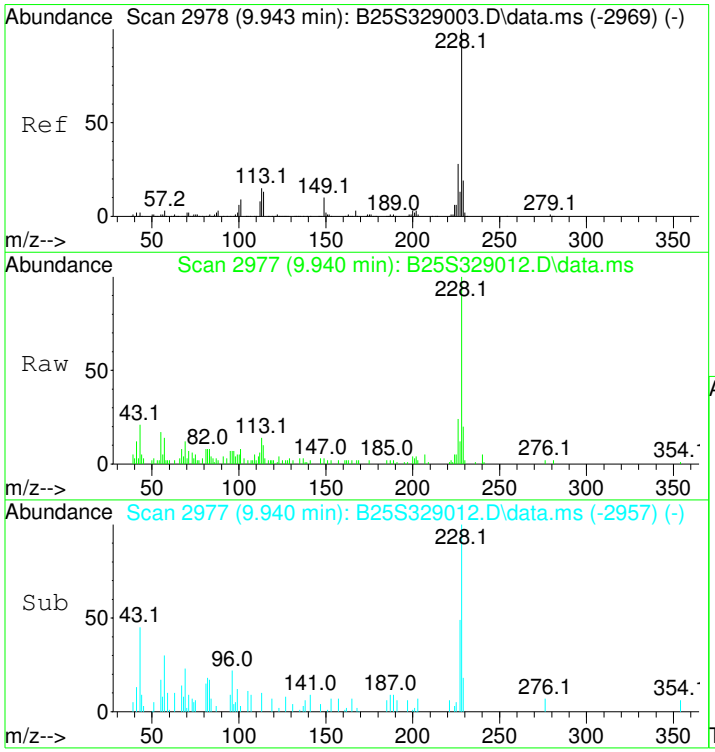


#77
Benzo(a)anthracene
Concen: 1.50 ug/ml
RT: 9.891 min Scan# 2958
Delta R.T. -0.010 min
Lab File: B25S329012.D
Acq: 25 Nov 2025 5:51 pm

Tgt Ion:228 Resp: 11255

Ion	Ratio	Lower	Upper
228	100		
229	19.6	0.0	38.9
226	33.1	4.9	44.9

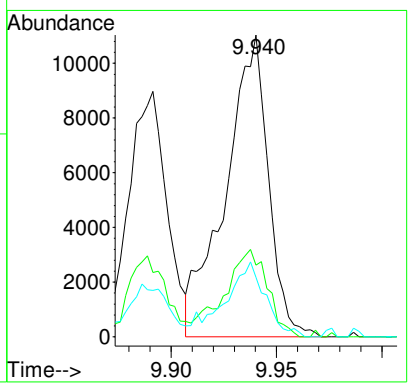


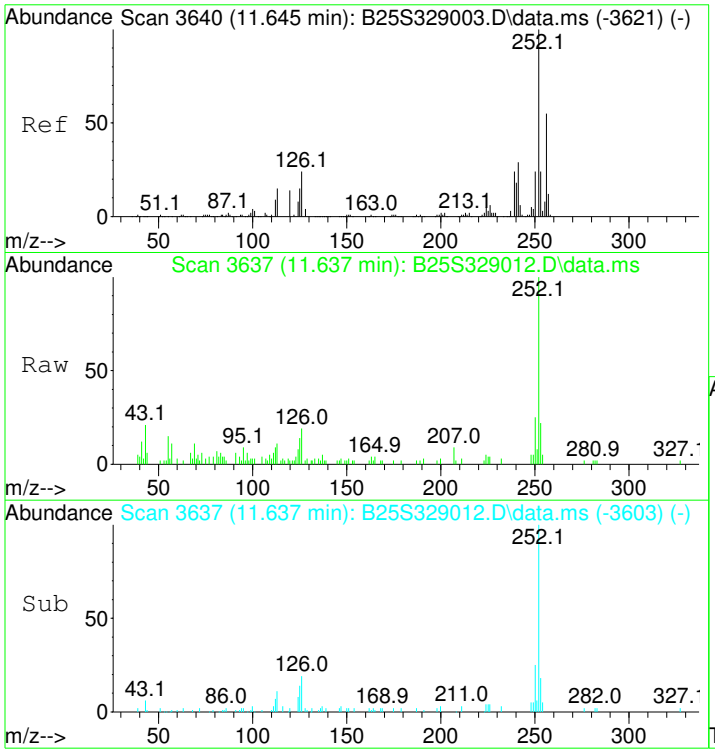


#78
Chrysene
Concen: 2.11 ug/ml
RT: 9.940 min Scan# 2977
Delta R.T. -0.013 min
Lab File: B25S329012.D
Acq: 25 Nov 2025 5:51 pm

Tgt Ion:228 Resp: 15615

Ion	Ratio	Lower	Upper
228	100		
226	29.1	8.1	48.1
229	23.7	0.0	38.9

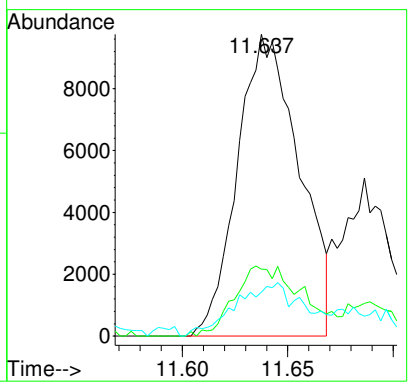


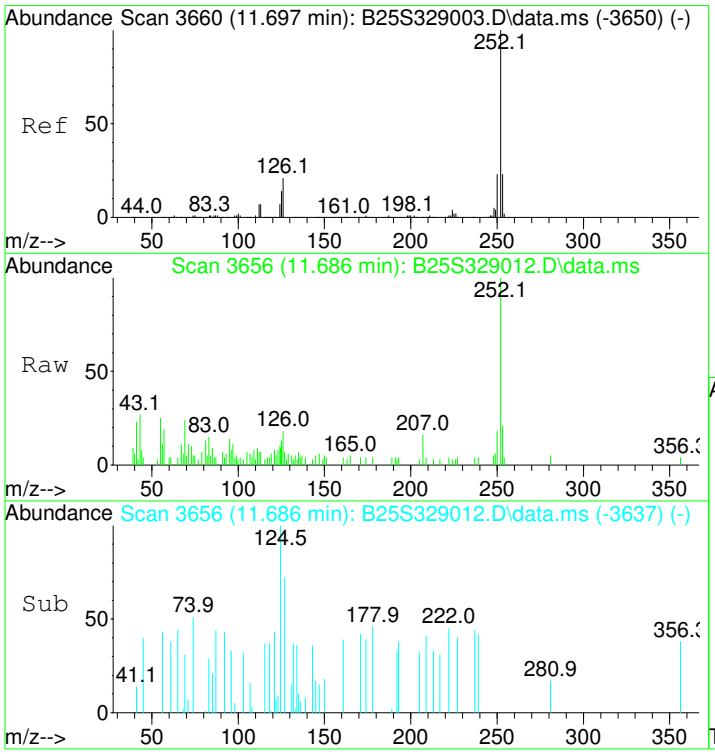


#82
Benzo(b)fluoranthene
Concen: 3.16 ug/ml
RT: 11.637 min Scan# 3637
Delta R.T. -0.015 min
Lab File: B25S329012.D
Acq: 25 Nov 2025 5:51 pm

Tgt Ion:252 Resp: 19794

Ion	Ratio	Lower	Upper
252	100		
253	25.7	2.2	42.2
125	19.7	0.0	34.5

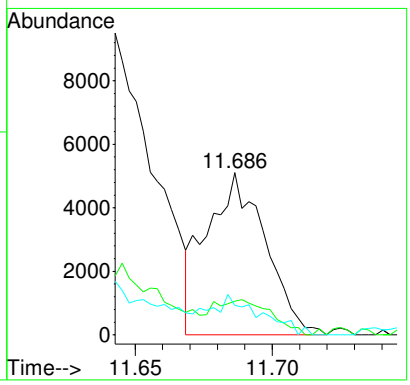


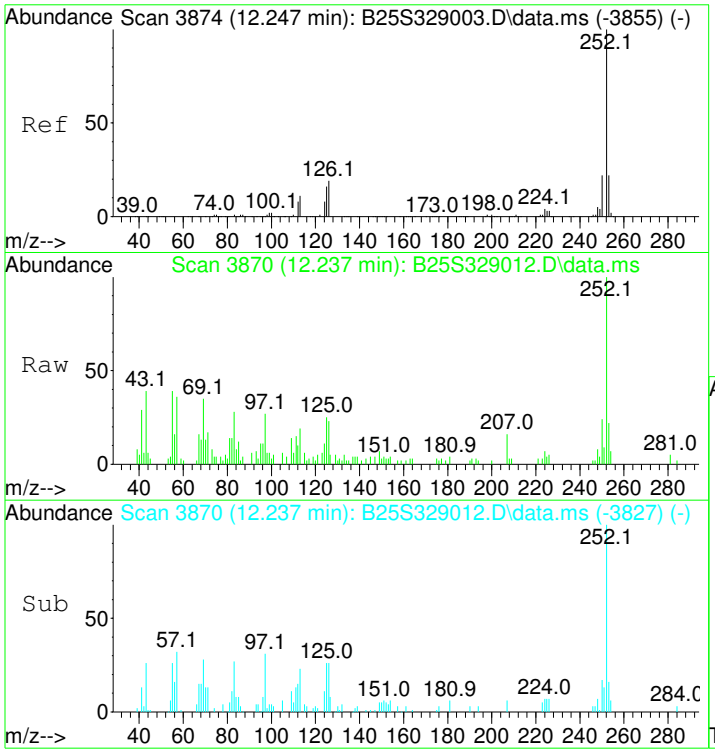


#83
Benzo(k)fluoranthene
Concen: 1.22 ug/ml
RT: 11.686 min Scan# 3656
Delta R.T. -0.018 min
Lab File: B25S329012.D
Acq: 25 Nov 2025 5:51 pm

Tgt Ion:252 Resp: 7611

Ion	Ratio	Lower	Upper
252	100		
253	21.4	0.7	40.7
126	21.4	0.0	39.4

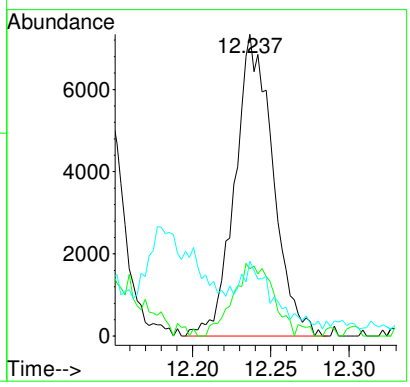


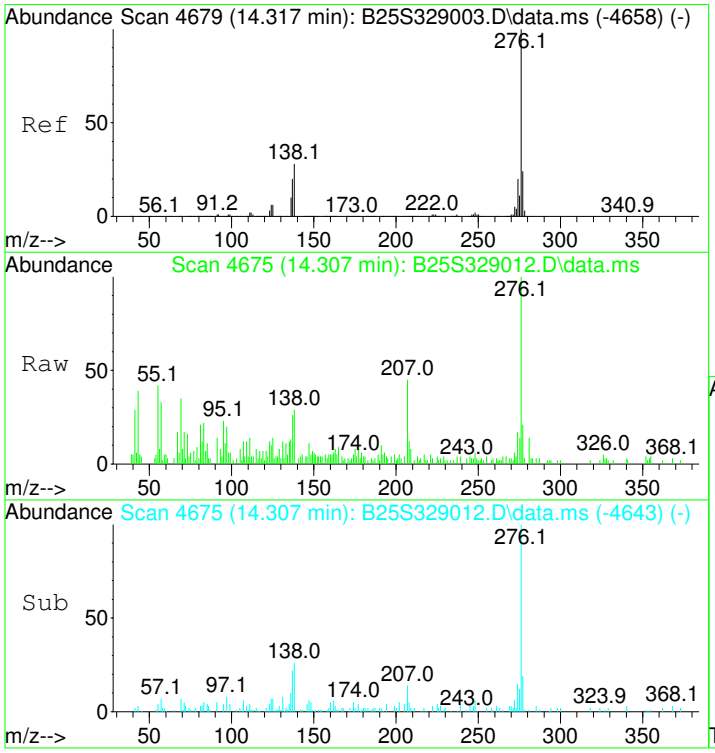


#84
Benzo(a)pyrene
Concen: 2.13 ug/ml
RT: 12.237 min Scan# 3870
Delta R.T. -0.015 min
Lab File: B25S329012.D
Acq: 25 Nov 2025 5:51 pm

Tgt Ion:252 Resp: 12405

Ion	Ratio	Lower	Upper
252	100		
253	25.1	0.4	40.4
125	18.3	0.0	34.0

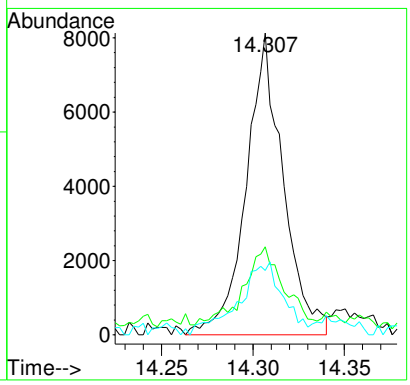


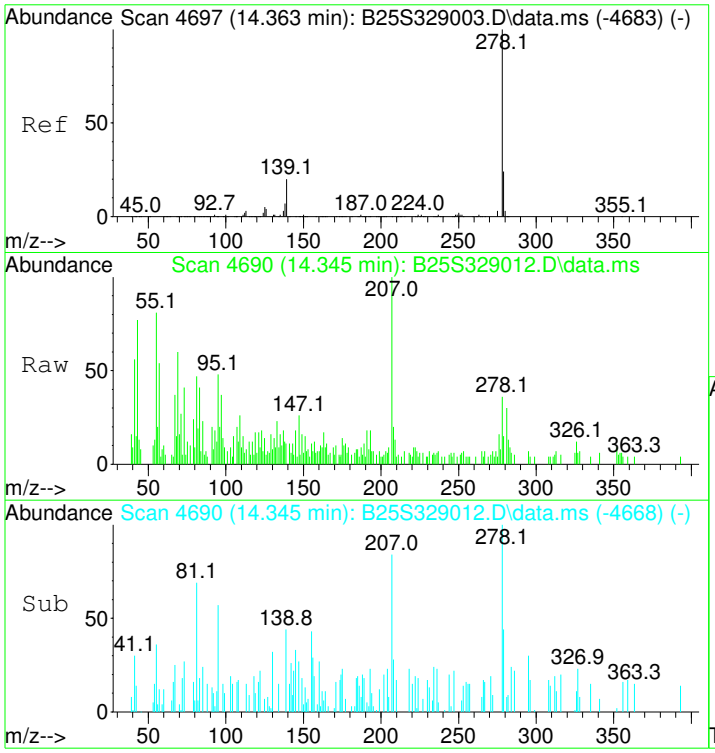


#85
Indeno(1,2,3-cd)pyrene
Concen: 2.21 ug/ml
RT: 14.307 min Scan# 4675
Delta R.T. -0.008 min
Lab File: B25S329012.D
Acq: 25 Nov 2025 5:51 pm

Tgt Ion:276 Resp: 11432

Ion	Ratio	Lower	Upper
276	100		
138	24.2	5.0	45.0
277	29.3	4.1	44.1

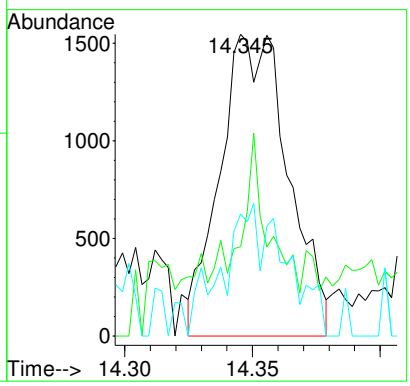


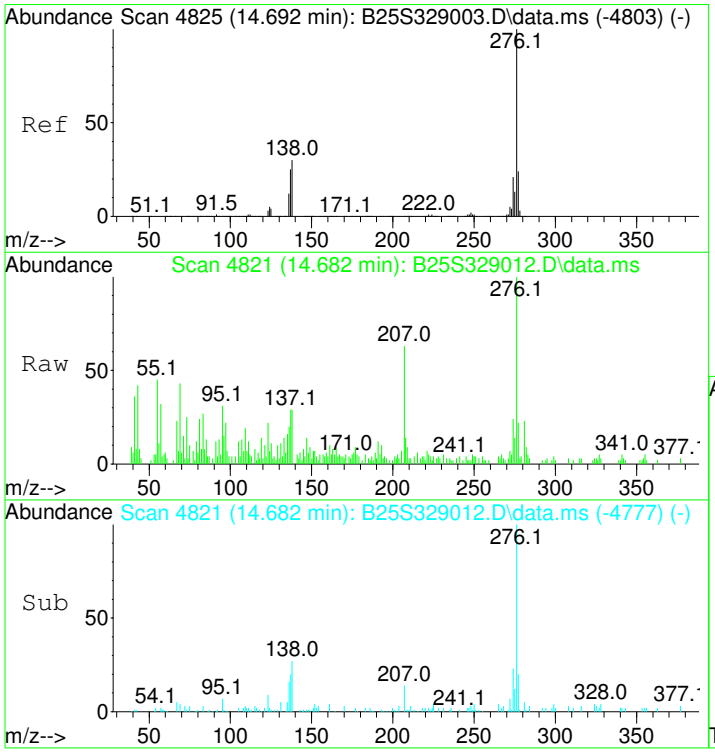


#86
Dibenz(a,h)anthracene
Concen: 0.53 ug/ml m
RT: 14.345 min Scan# 4690
Delta R.T. -0.015 min
Lab File: B25S329012.D
Acq: 25 Nov 2025 5:51 pm

Tgt Ion:278 Resp: 2872

Ion	Ratio	Lower	Upper
278	100		
139	21.9	1.1	41.1
279	19.3	3.5	43.5

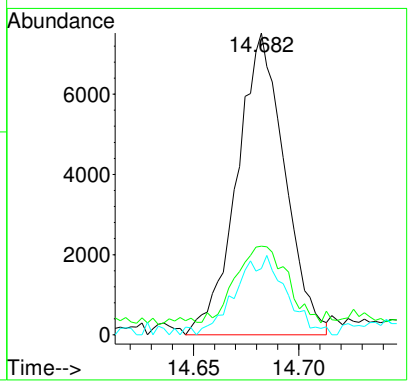


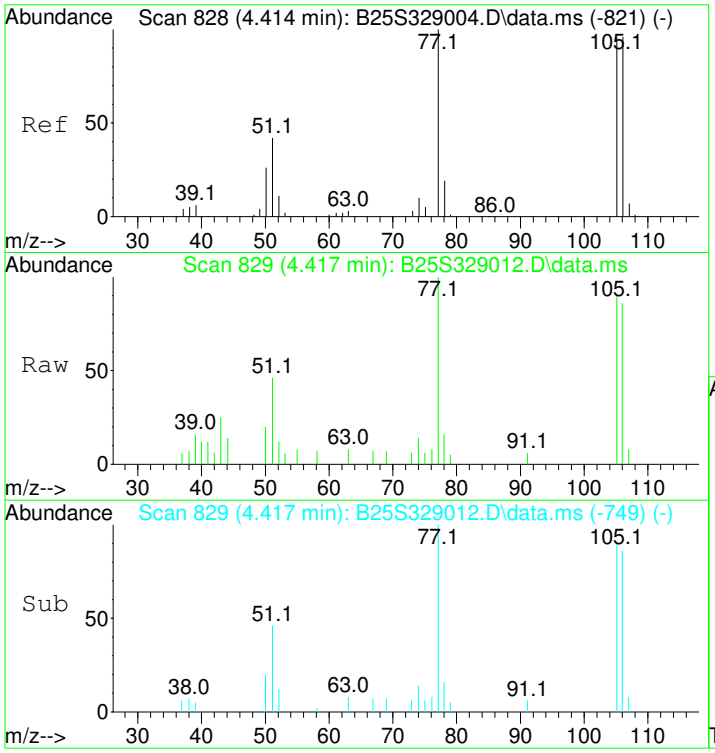


#87
Benzo(g,h,i)perylene
Concen: 2.05 ug/ml
RT: 14.682 min Scan# 4821
Delta R.T. -0.005 min
Lab File: B25S329012.D
Acq: 25 Nov 2025 5:51 pm

Tgt Ion:276 Resp: 11799

Ion	Ratio	Lower	Upper
276	100		
138	29.0	5.6	45.6
277	14.8	3.2	43.2

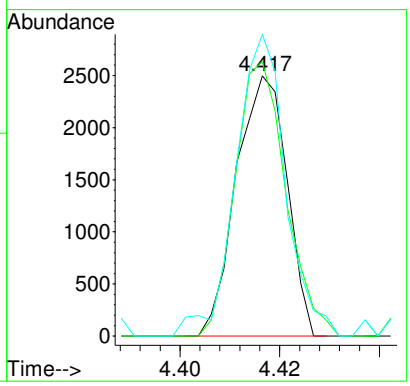


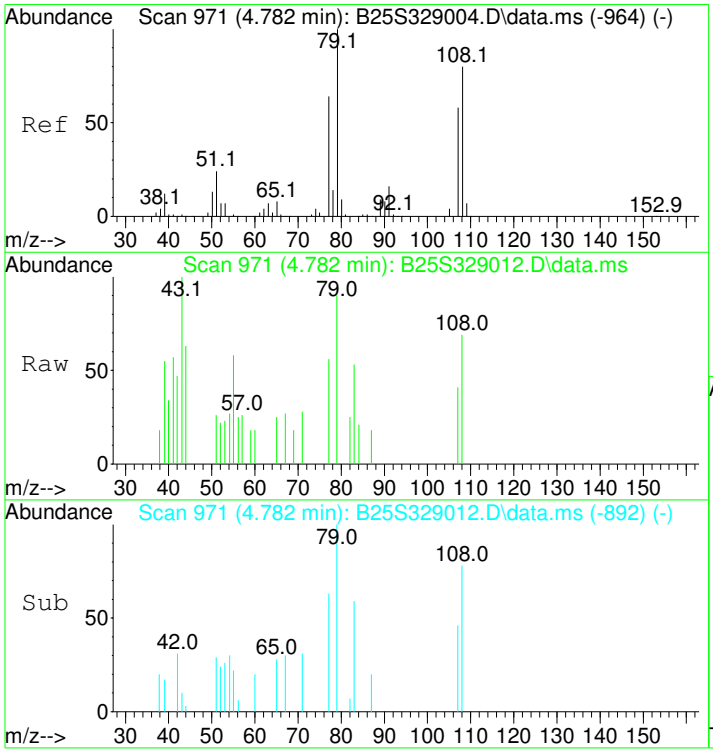


#90
Benzaldehyde
Concen: 0.86 ug/ml
RT: 4.417 min Scan# 829
Delta R.T. 0.005 min
Lab File: B25S329012.D
Acq: 25 Nov 2025 5:51 pm

Tgt Ion:106 Resp: 1759

Ion	Ratio	Lower	Upper
106	100		
105	105.9	79.4	119.2
77	114.6	81.3	121.9

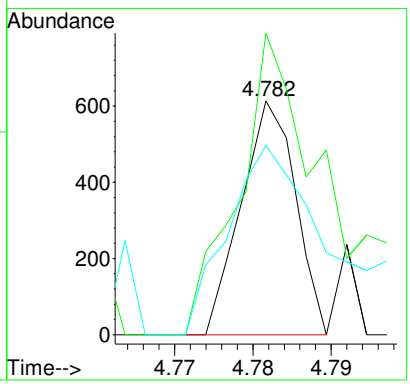




#91
Benzyl Alcohol
Concen: 0.20 ug/ml
RT: 4.782 min Scan# 971
Delta R.T. 0.004 min
Lab File: B25S329012.D
Acq: 25 Nov 2025 5:51 pm

Tgt Ion:108 Resp: 296

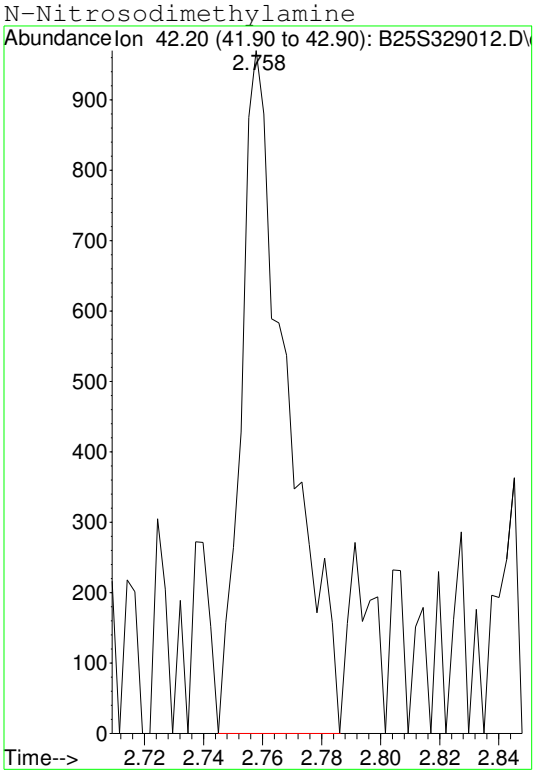
Ion	Ratio	Lower	Upper
108	100		
79	222.0	97.3	145.9#
77	166.6	62.1	93.1#



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329012.D
Acq On : 25 Nov 2025 5:51 pm
Operator : BGL
Sample : 25K1216-05
Misc :

Quant Time : Wed Nov 26 11:49:21 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
N-Nitrosodimethylamine



Original Int. Results

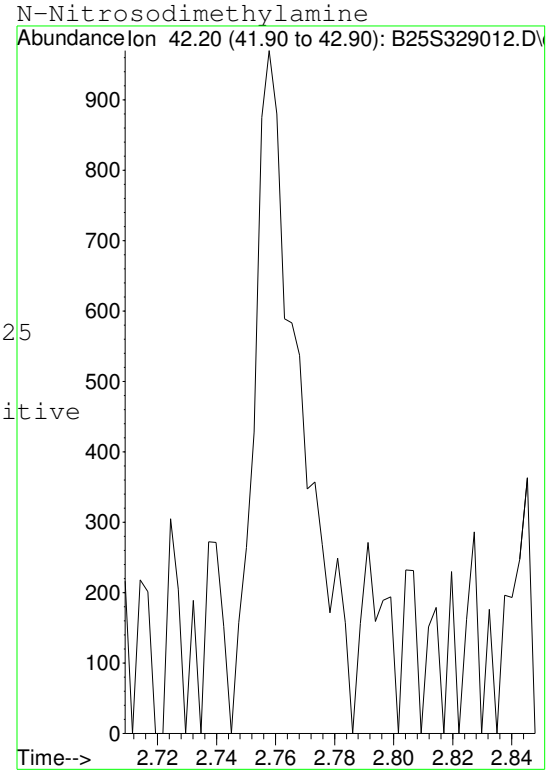
RT : 2.76
Area : 1054
Amount: 0.965864

Manual Int. Results

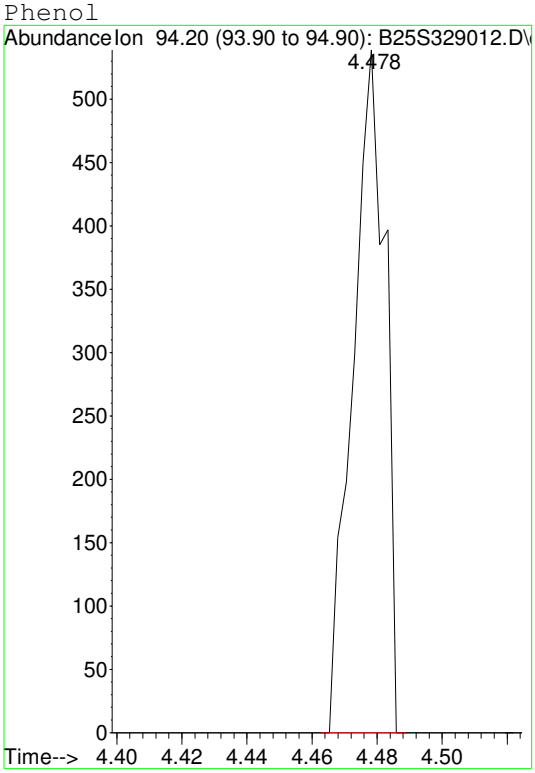
Wed Nov 26 11:48:03 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
N-Nitrosodimethylamine



Original Integration
Phenol



Original Int. Results

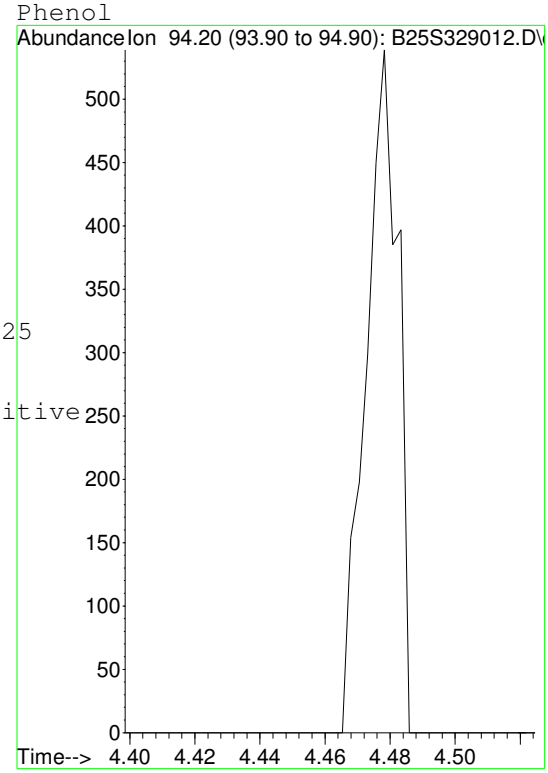
RT : 4.48
Area : 374
Amount: 0.120971

Manual Int. Results

Wed Nov 26 11:48:03 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

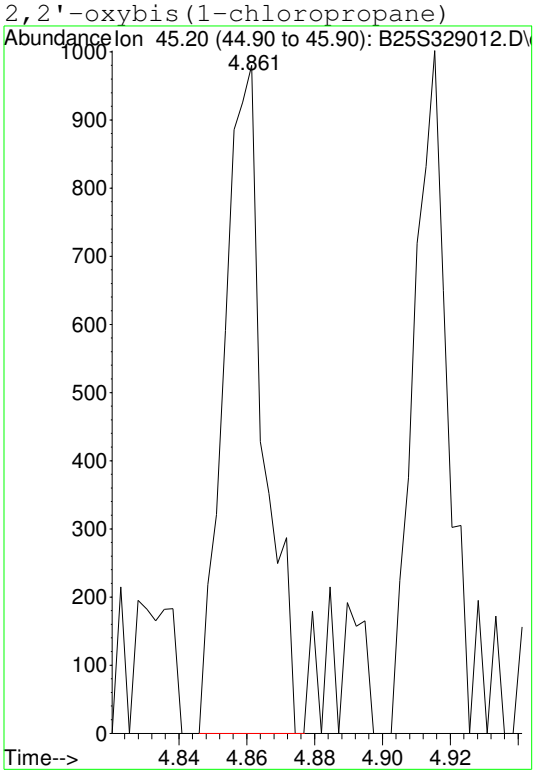
Manual Integration
Phenol



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329012.D
Acq On : 25 Nov 2025 5:51 pm
Operator : BGL
Sample : 25K1216-05
Misc :

Quant Time : Wed Nov 26 11:49:21 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
2,2'-oxybis(1-chloropropane)



Original Int. Results

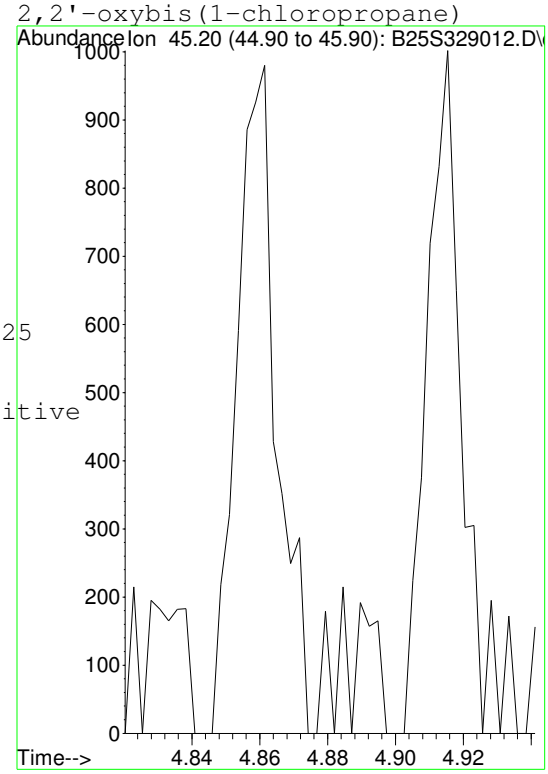
RT : 4.86
Area : 808
Amount: 0.316949

Manual Int. Results

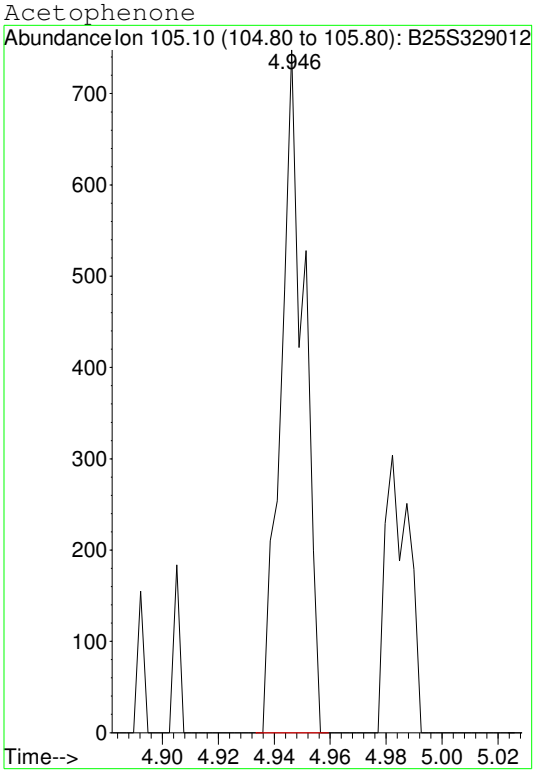
Wed Nov 26 11:48:03 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2,2'-oxybis(1-chloropropane)



Original Integration
Acetophenone



Original Int. Results

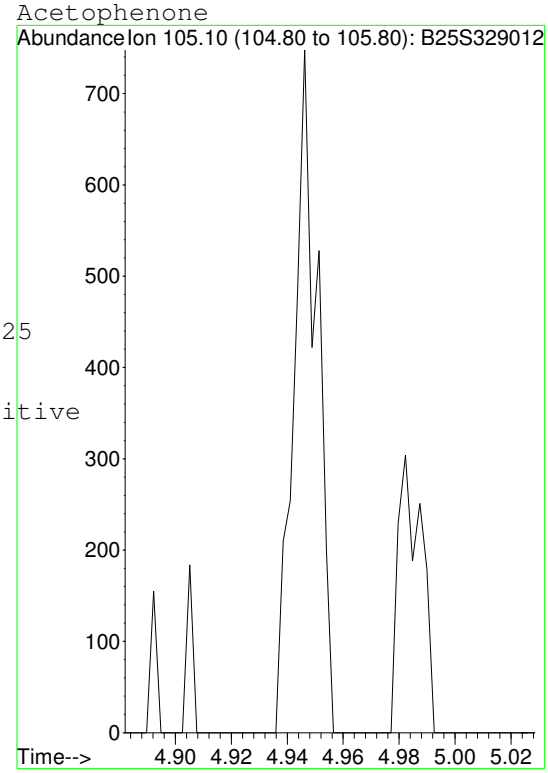
RT : 4.95
Area : 439
Amount: 0.138939

Manual Int. Results

Wed Nov 26 11:48:24 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

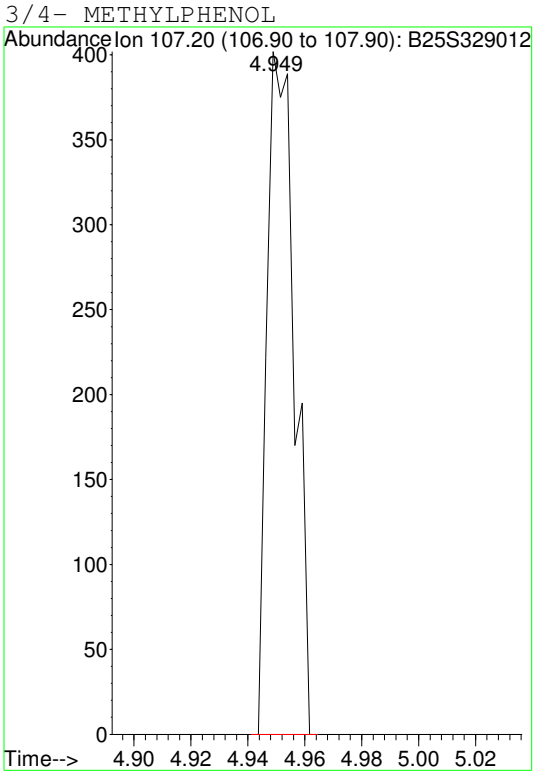
Manual Integration
Acetophenone



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329012.D
Acq On : 25 Nov 2025 5:51 pm
Operator : BGL
Sample : 25K1216-05
Misc :

Quant Time : Wed Nov 26 11:49:21 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
3/4- METHYLPHENOL



Original Int. Results

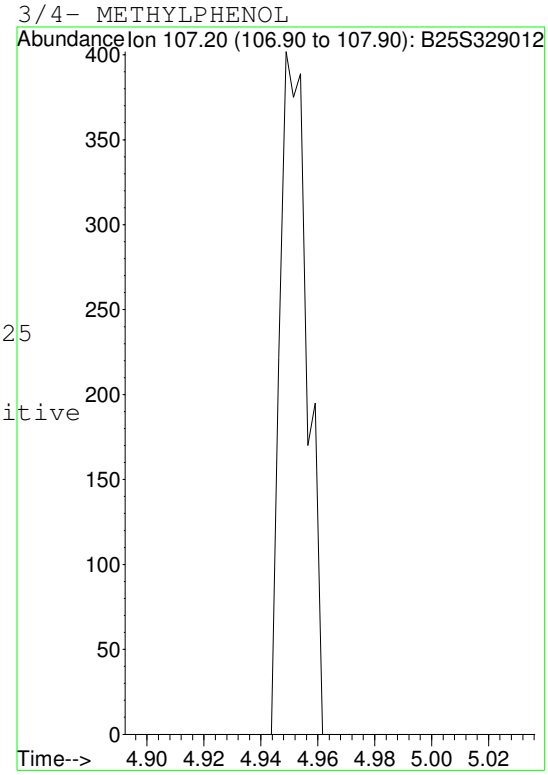
RT : 4.95
Area : 270
Amount: 0.110405

Manual Int. Results

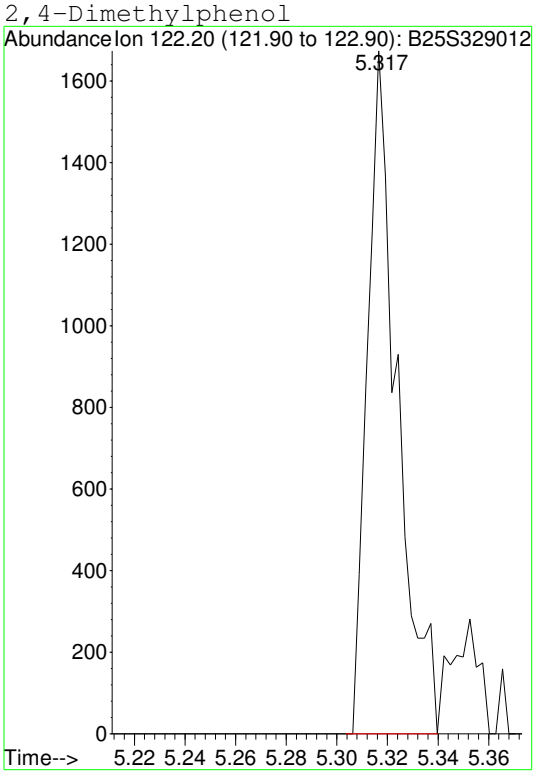
Wed Nov 26 11:48:24 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
3/4- METHYLPHENOL



Original Integration
2,4-Dimethylphenol



Original Int. Results

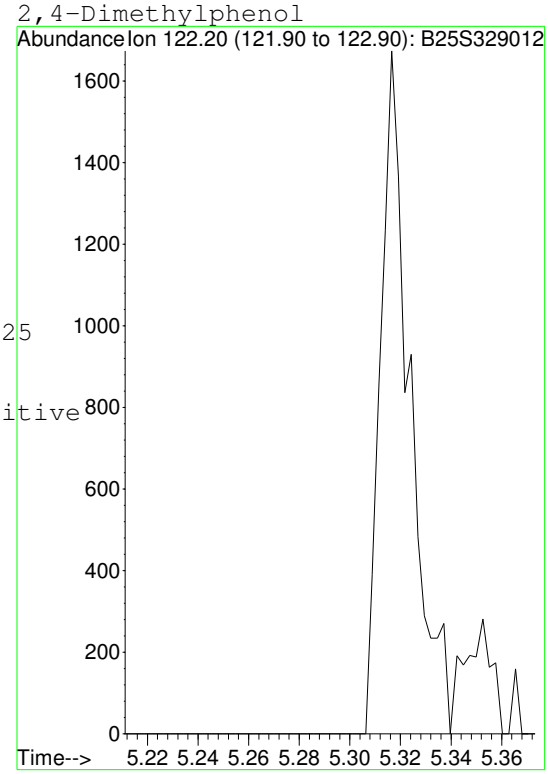
RT : 5.32
Area : 1357
Amount: 0.716551

Manual Int. Results

Wed Nov 26 11:48:23 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

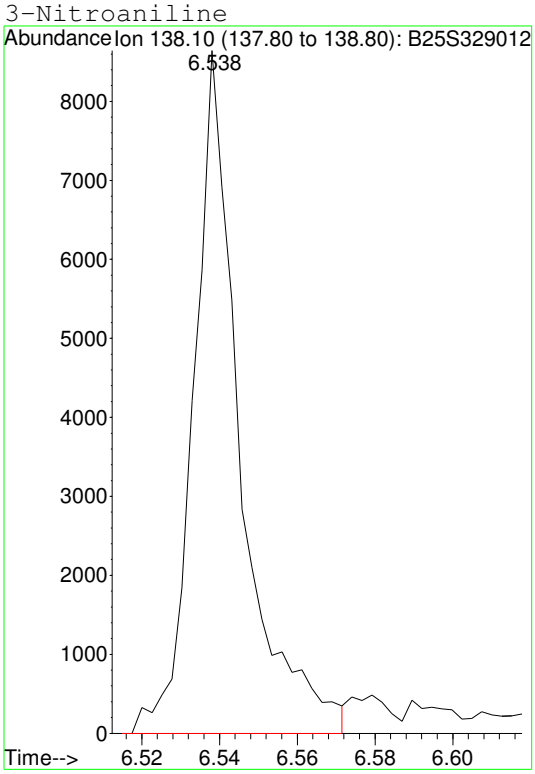
Manual Integration
2,4-Dimethylphenol



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329012.D
Acq On : 25 Nov 2025 5:51 pm
Operator : BGL
Sample : 25K1216-05
Misc :

Quant Time : Wed Nov 26 11:49:21 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
3-Nitroaniline



Original Int. Results

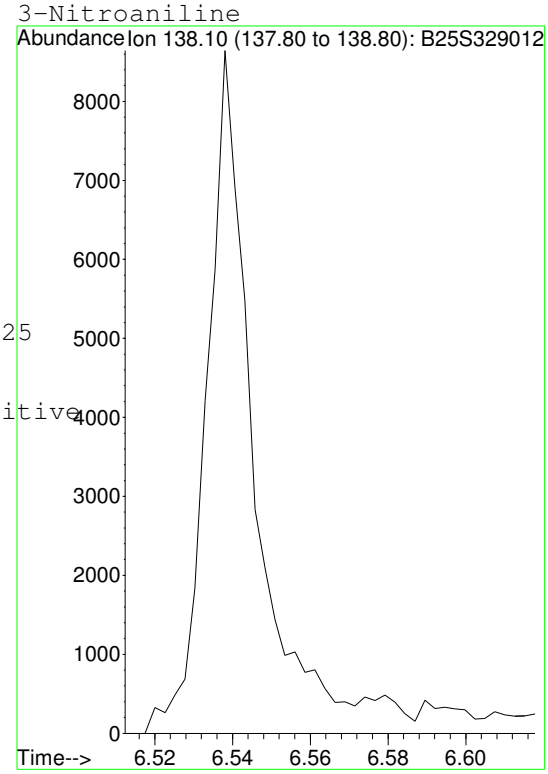
RT : 6.54
Area : 7160
Amount: 6.40855

Manual Int. Results

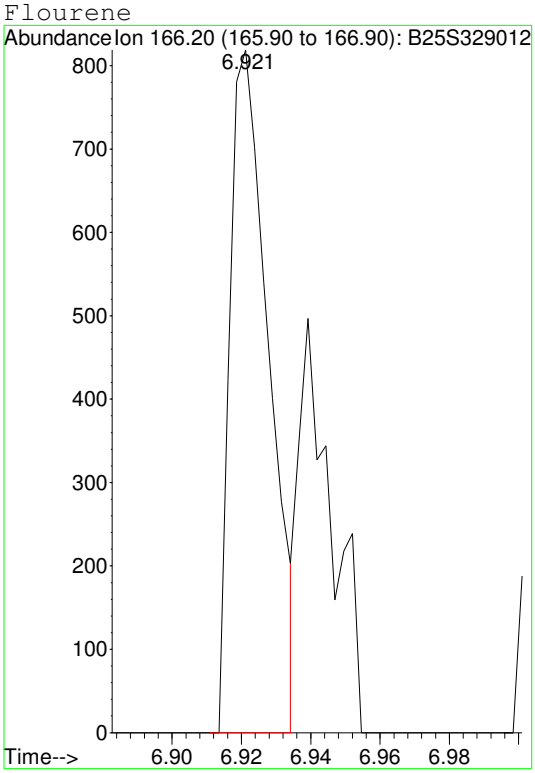
Wed Nov 26 11:48:33 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
3-Nitroaniline



Original Integration
Flourene



Original Int. Results

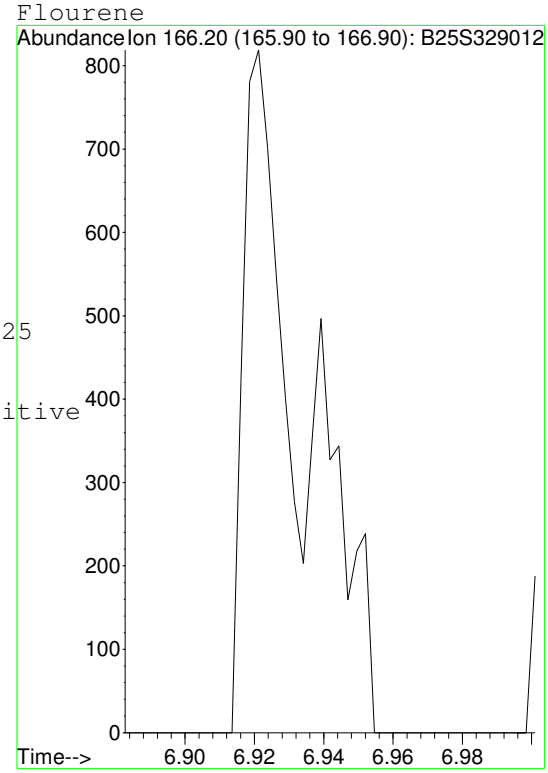
RT : 6.92
Area : 640
Amount: 0.145367

Manual Int. Results

Wed Nov 26 11:48:37 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

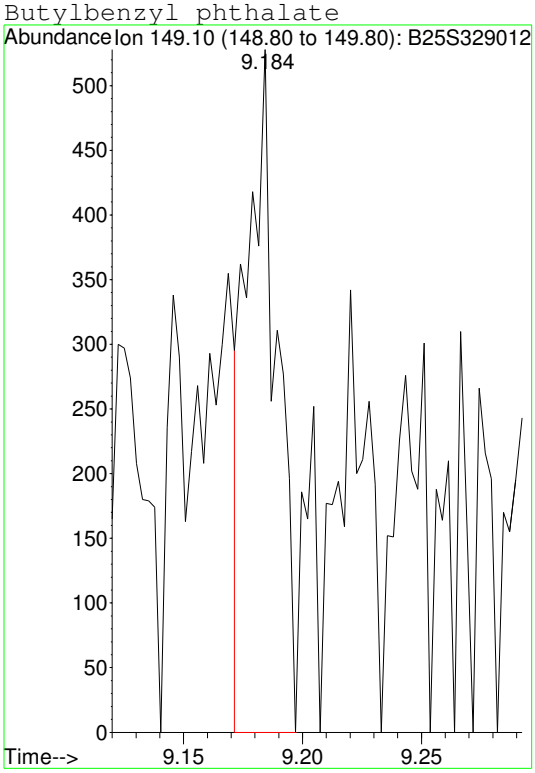
Manual Integration
Flourene



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329012.D
Acq On : 25 Nov 2025 5:51 pm
Operator : BGL
Sample : 25K1216-05
Misc :

Quant Time : Wed Nov 26 11:49:21 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Butylbenzyl phthalate



Original Int. Results

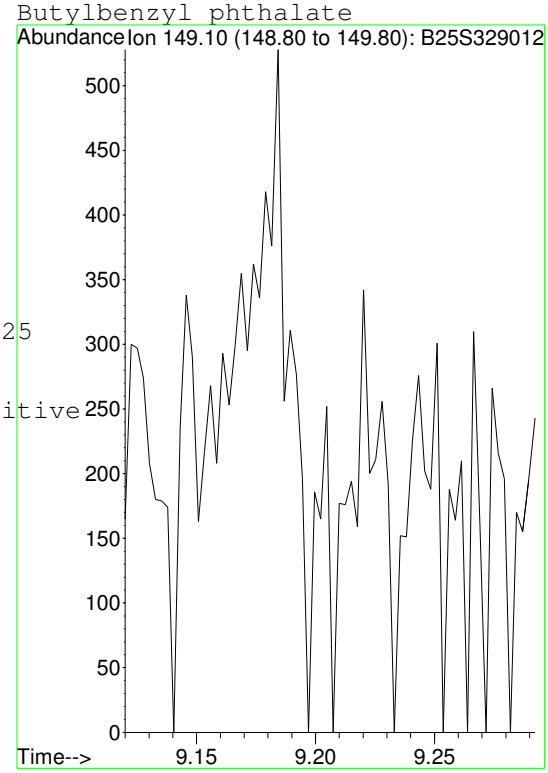
RT : 9.18
Area : 472
Amount: 0.158958

Manual Int. Results

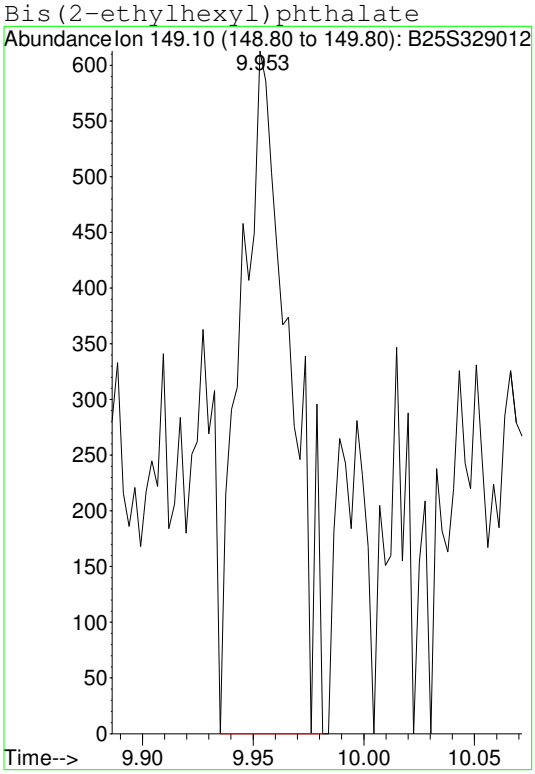
Wed Nov 26 11:48:47 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Butylbenzyl phthalate



Original Integration
Bis(2-ethylhexyl)phthalate



Original Int. Results

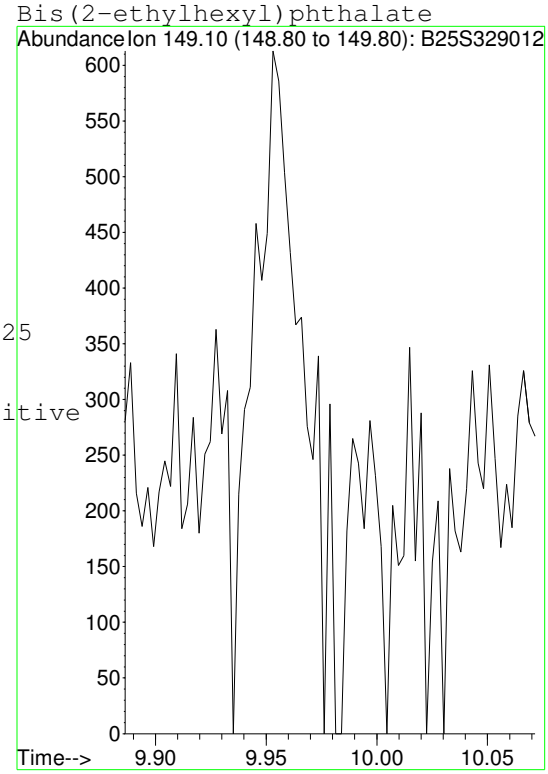
RT : 9.95
Area : 951
Amount: 0.27951

Manual Int. Results

Wed Nov 26 11:48:53 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

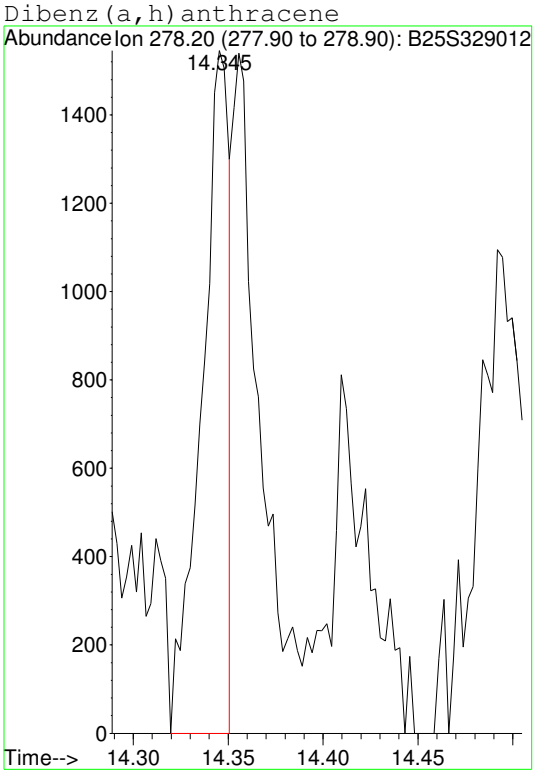
Manual Integration
Bis(2-ethylhexyl)phthalate



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329012.D
Acq On : 25 Nov 2025 5:51 pm
Operator : BGL
Sample : 25K1216-05
Misc :

Quant Time : Wed Nov 26 11:49:21 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Dibenz(a,h)anthracene



Original Int. Results

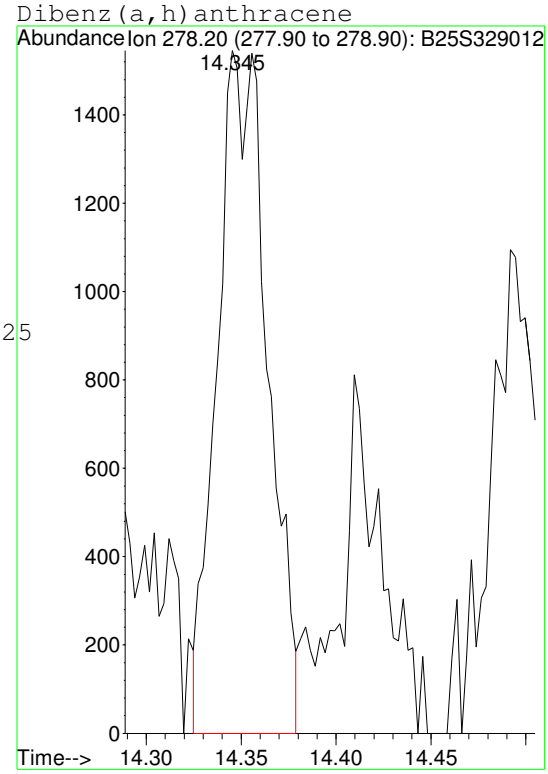
RT : 14.35
Area : 1542
Amount: 0.283505

Manual Int. Results

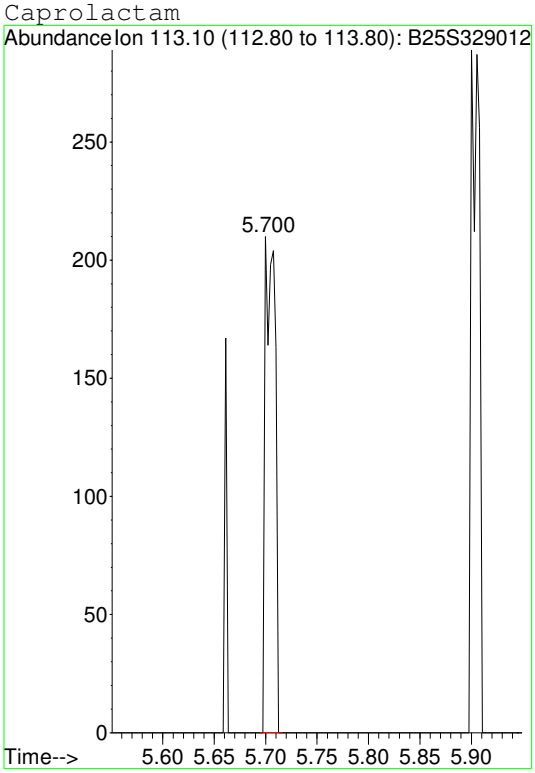
Wed Nov 26 11:49:07 2025

MIuser: BGL
Reason: Other
RT : 14.35
Area : 2872
Amount: 0.528033

Manual Integration
Dibenz(a,h)anthracene



Original Integration
Caprolactam



Original Int. Results

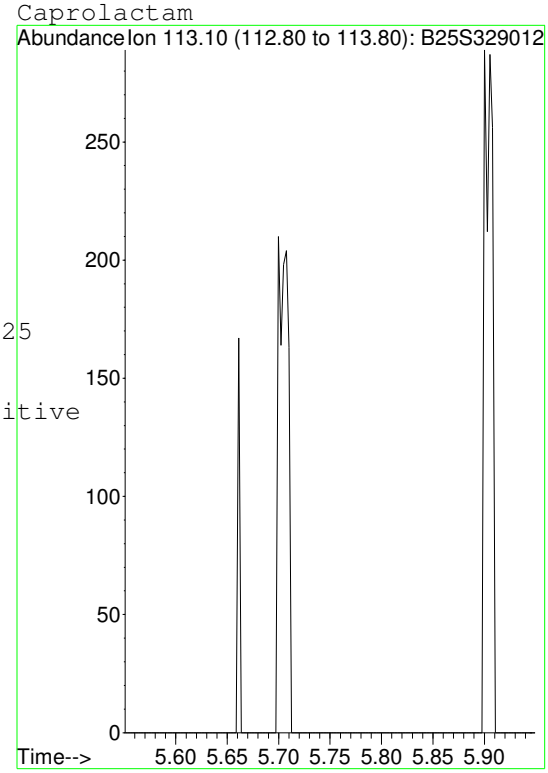
RT : 5.70
Area : 145
Amount: 0.199546

Manual Int. Results

Wed Nov 26 11:49:20 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Caprolactam



1 - FORM I
ANALYSIS DATA SHEET

E-3 (2-12in)

Laboratory:	Pace New England			Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1216-06	File ID:	B25S329013.D
Sampled:	11/17/25 16:20	Prepared:	11/21/25 07:21	Analyzed:	11/25/25 18:15
Solids:	90.26	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.08 g / 1 mL				
Batch:	B417963	Sequence:	S129060	Calibration:	2500833
Instrument:	GCMSSV2				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol		0.053	0.74	
1912-24-9	Atrazine		0.051	0.74	V-06
100-52-7	Benzaldehyde		0.052	0.38	V-34
92-52-4	Biphenyl		0.042	0.074	
105-60-2	Caprolactam		0.065	0.38	
83-32-9	Acenaphthene		0.0041	0.036	
208-96-8	Acenaphthylene		0.0046	0.036	
98-86-2	Acetophenone		0.039	0.38	
62-53-3	Aniline		0.071	0.38	V-34
120-12-7	Anthracene	0.0081	0.0042	0.036	J
56-55-3	Benzo(a)anthracene	0.065	0.0057	0.036	
50-32-8	Benzo(a)pyrene	0.091	0.012	0.036	
205-99-2	Benzo(b)fluoranthene	0.13	0.0091	0.036	
191-24-2	Benzo(g,h,i)perylene	0.073	0.014	0.036	
207-08-9	Benzo(k)fluoranthene	0.046	0.0075	0.036	
111-91-1	Bis(2-chloroethoxy)methane		0.038	0.38	
111-44-4	Bis(2-chloroethyl)ether		0.050	0.38	
108-60-1	2,2'-oxybis(1-Chloropropane)		0.15	0.38	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.051	0.38	V-06
101-55-3	4-Bromophenylphenylether		0.033	0.38	
85-68-7	Butylbenzylphthalate		0.043	0.38	
86-74-8	Carbazole		0.039	0.19	
106-47-8	4-Chloroaniline		0.060	0.73	
59-50-7	4-Chloro-3-methylphenol		0.039	0.73	
91-58-7	2-Chloronaphthalene		0.033	0.38	
95-57-8	2-Chlorophenol		0.033	0.38	
7005-72-3	4-Chlorophenylphenylether		0.034	0.38	
218-01-9	Chrysene	0.085	0.0048	0.036	
53-70-3	Dibenz(a,h)anthracene	0.017	0.016	0.036	J

1 - FORM I
ANALYSIS DATA SHEET

E-3 (2-12in)

Laboratory:	Pace New England			Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1216-06	File ID:	B25S329013.D
Sampled:	11/17/25 16:20	Prepared:	11/21/25 07:21	Analyzed:	11/25/25 18:15
Solids:	90.26	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.08 g / 1 mL				
Batch:	B417963	Sequence:	S129060	Calibration:	2500833
				Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
132-64-9	Dibenzofuran		0.037	0.38	
84-74-2	Di-n-butylphthalate		0.14	0.38	
91-94-1	3,3-Dichlorobenzidine		0.067	0.19	
120-83-2	2,4-Dichlorophenol		0.035	0.38	
84-66-2	Diethylphthalate		0.036	0.38	
105-67-9	2,4-Dimethylphenol		0.077	0.38	
131-11-3	Dimethylphthalate		0.033	0.38	
534-52-1	4,6-Dinitro-2-methylphenol		0.31	0.38	
51-28-5	2,4-Dinitrophenol		0.35	0.73	V-04, V-06
121-14-2	2,4-Dinitrotoluene		0.089	0.38	
606-20-2	2,6-Dinitrotoluene		0.047	0.38	
117-84-0	Di-n-octylphthalate		0.055	0.38	V-06
206-44-0	Fluoranthene	0.18	0.0052	0.036	
86-73-7	Fluorene		0.0044	0.036	
118-74-1	Hexachlorobenzene		0.038	0.38	
87-68-3	Hexachlorobutadiene		0.039	0.38	
77-47-4	Hexachlorocyclopentadiene		0.19	0.38	
67-72-1	Hexachloroethane		0.034	0.38	
193-39-5	Indeno(1,2,3-cd)pyrene	0.072	0.015	0.036	
78-59-1	Isophorone		0.040	0.38	
90-12-0	1-Methylnaphthalene		0.0046	0.036	
91-57-6	2-Methylnaphthalene		0.0042	0.036	
95-48-7	2-Methylphenol		0.047	0.38	
108-39-4/106-4	3/4-Methylphenol		0.061	0.38	
91-20-3	Naphthalene		0.0053	0.036	
88-74-4	2-Nitroaniline		0.058	0.38	
99-09-2	3-Nitroaniline		0.049	0.38	
100-01-6	4-Nitroaniline		0.053	0.38	
98-95-3	Nitrobenzene		0.042	0.38	

1 - FORM I
ANALYSIS DATA SHEET

E-3 (2-12in)

Laboratory:	Pace New England			Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton F			Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1216-06	File ID:	B25S329013.D
Sampled:	11/17/25 16:20	Prepared:	11/21/25 07:21	Analyzed:	11/25/25 18:15
Solids:	90.26	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.08 g / 1 mL				
Batch:	B417963	Sequence:	S129060	Calibration:	2500833	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
88-75-5	2-Nitrophenol		0.039	0.38	
100-02-7	4-Nitrophenol		0.15	0.73	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.049	0.38	
621-64-7	N-Nitrosodi-n-propylamine		0.046	0.38	
87-86-5	Pentachlorophenol		0.048	0.38	
85-01-8	Phenanthrene	0.047	0.0038	0.036	
108-95-2	Phenol		0.036	0.38	
129-00-0	Pyrene	0.11	0.0063	0.036	
110-86-1	Pyridine		0.048	0.38	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.036	0.38	
95-95-4	2,4,5-Trichlorophenol		0.038	0.38	
88-06-2	2,4,6-Trichlorophenol		0.033	0.38	

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329013.D
Acq On : 25 Nov 2025 6:15 pm
Operator : BGL
Sample : 25K1216-06 Inst : GCMSSV2
Misc :
ALS Vial : 13 Sample Multiplier: 1

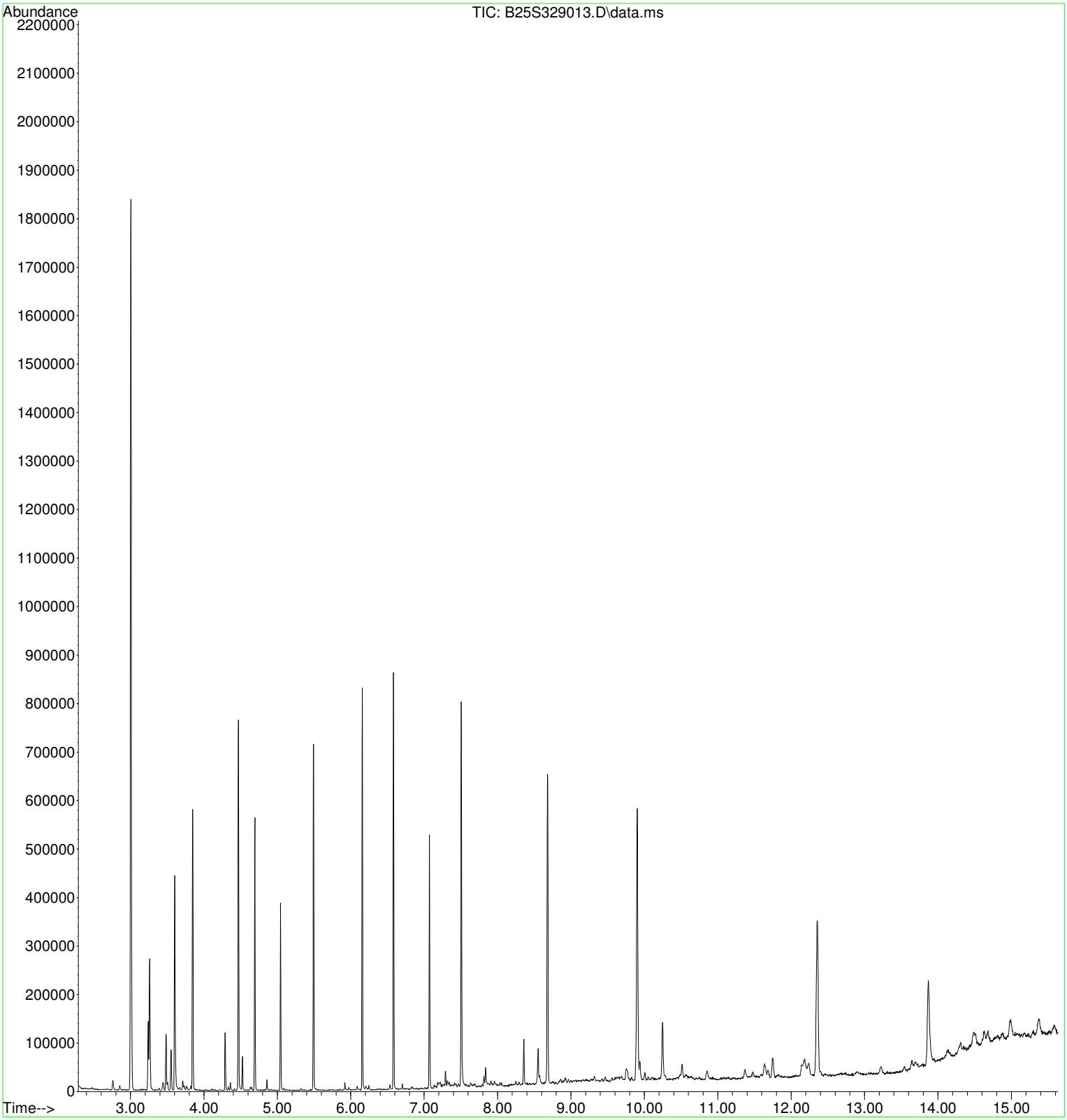
Quant Time: Nov 25 18:31:40 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

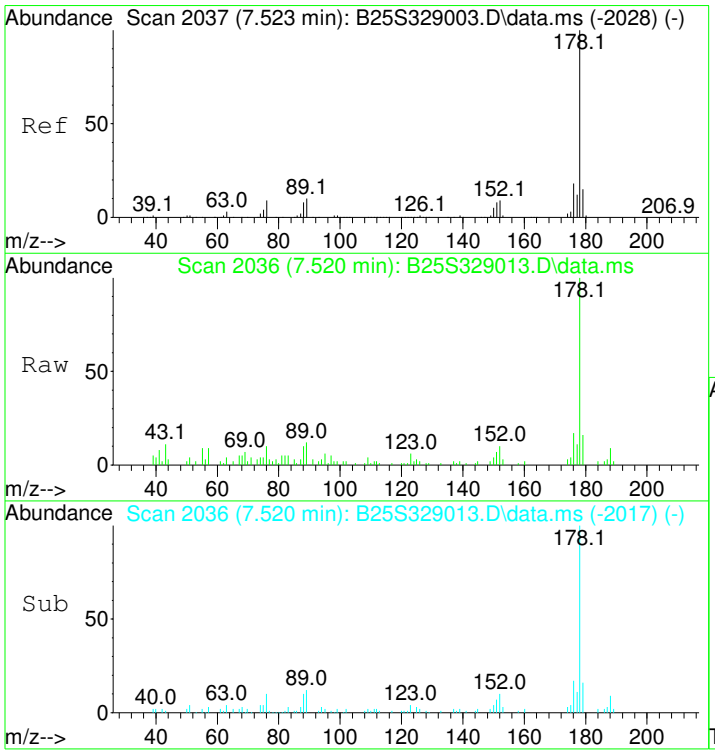
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.694	152	62662	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	5.491	136	237327	40.00	ug/ml	-0.01
35) ACENAPHTHENE-D10	6.582	164	123863	40.00	ug/ml	-0.01
58) PHENANTHRENE-D10	7.505	188	199858	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.904	240	222440	40.00	ug/ml	-0.01
80) PERYLENE-D12	12.357	264	194511	40.00	ug/ml	0.00
88) 1,4-Dichlorobenzene-D4...	4.694	152	62662	40.00	ug/ml	0.00
92) NAPHTHALENE-d8 (2)	5.491	136	237327	40.00	ug/ml	0.00
95) ACENAPHTHENE-D10 (2)	6.582	164	123863	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	3.846	112	120834	69.02	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 34.51%			
3) Phenol-d6	4.470	99	197662	68.47	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 34.23%			
20) Nitrobenzene-d5	5.044	82	86495	36.62	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 36.62%			
36) 2-Fluorobiphenyl	6.157	172	163302	39.94	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 39.94%			
37) 2,4,6-Tribromophenol	7.073	330	38135	69.32	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 34.66%			
72) p-Terphenyl-d14	8.680	244	176684	38.36	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 38.36%			
Target Compounds						Qvalue
66) Phenanthrene	7.520	178	7966	1.28	ug/ml	96
67) Anthracene	7.551	178	1352	0.22	ug/ml	87
68) Carbazole	7.651	167	927	0.16	ug/ml	83
70) Flouranthene	8.359	202	29691	4.81	ug/ml	100
74) Pyrene	8.554	202	25093	3.08	ug/ml	94
77) Benzo(a)anthracene	9.889	228	13312	1.77	ug/ml	94
78) Chrysene	9.938	228	17081	2.30	ug/ml	95
82) Benzo(b)fluoranthene	11.637	252	20704m	3.47	ug/ml	
83) Benzo(k)fluoranthene	11.681	252	7335	1.24	ug/ml	96
84) Benzo(a)pyrene	12.239	252	13646	2.47	ug/ml	94
85) Indeno(1,2,3-cd)pyrene	14.304	276	9640	1.96	ug/ml	84
86) Dibenz(a,h)anthracene	14.348	278	2382	0.46	ug/ml	87
87) Benzo(g,h,i)perylene	14.680	276	10744	1.97	ug/ml	89

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

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329013.D
Acq On : 25 Nov 2025 6:15 pm
Operator : BGL
Sample : 25K1216-06 Inst : GCMSSV2
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 25 18:31:40 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

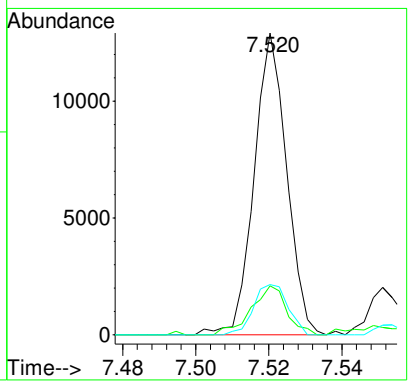


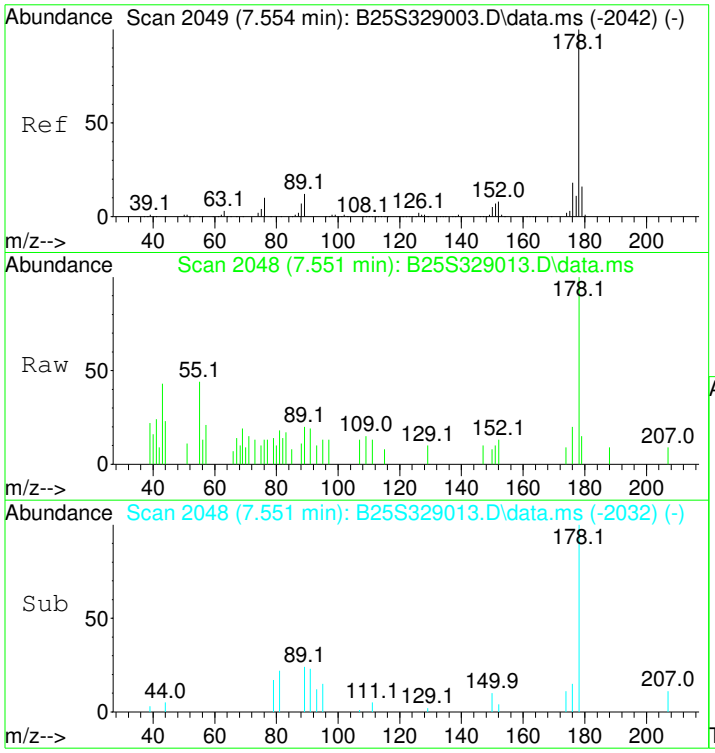


#66
Phenanthrene
Concen: 1.28 ug/ml
RT: 7.520 min Scan# 2036
Delta R.T. -0.008 min
Lab File: B25S329013.D
Acq: 25 Nov 2025 6:15 pm

Tgt Ion:178 Resp: 7966

Ion	Ratio	Lower	Upper
178	100		
179	17.8	0.0	35.5
176	17.7	0.0	39.0

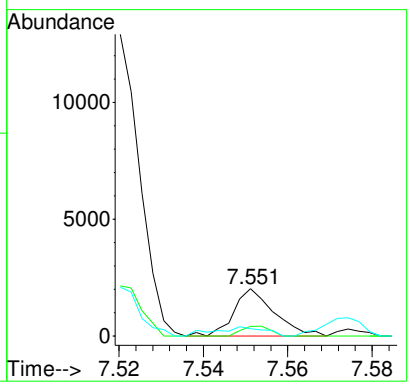


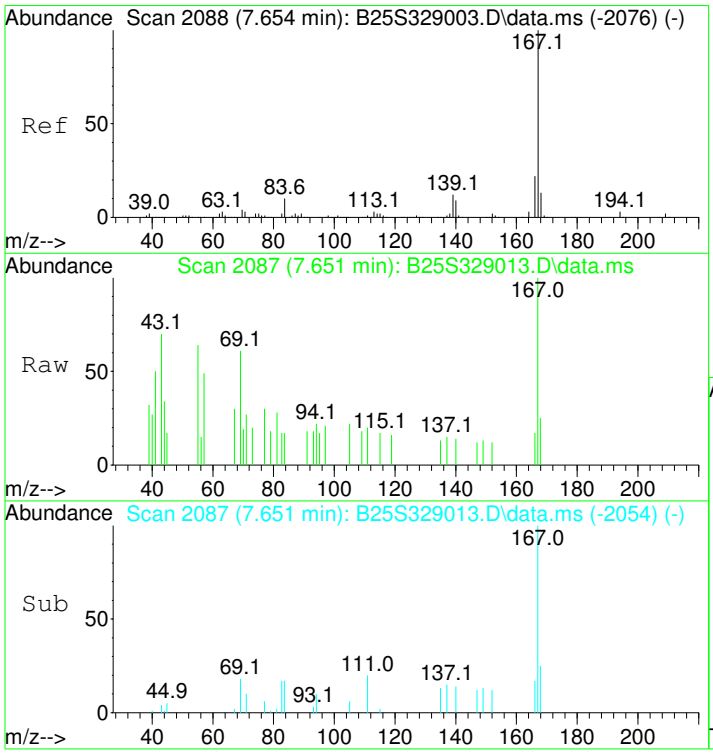


#67
Anthracene
Concen: 0.22 ug/ml
RT: 7.551 min Scan# 2048
Delta R.T. -0.010 min
Lab File: B25S329013.D
Acq: 25 Nov 2025 6:15 pm

Tgt Ion:178 Resp: 1352

Ion	Ratio	Lower	Upper
178	100		
176	14.8	0.0	38.3
179	23.8	0.0	35.5

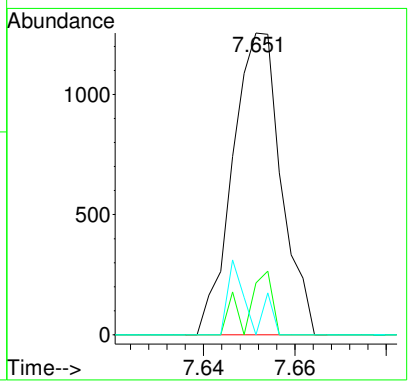


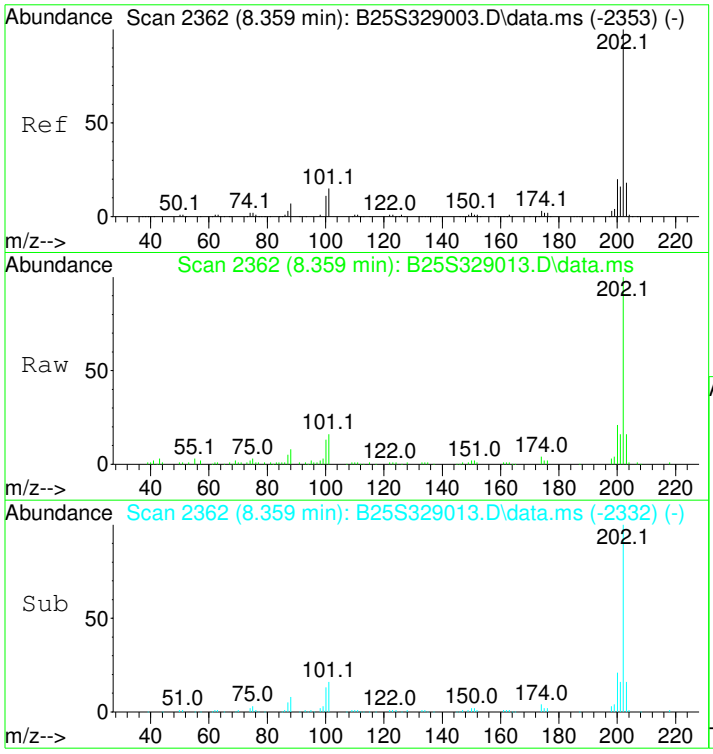


#68
Carbazole
Concen: 0.16 ug/ml
RT: 7.651 min Scan# 2087
Delta R.T. -0.005 min
Lab File: B25S329013.D
Acq: 25 Nov 2025 6:15 pm

Tgt Ion:167 Resp: 927

Ion	Ratio	Lower	Upper
167	100		
166	11.0	1.9	41.9
139	10.7	0.0	33.5

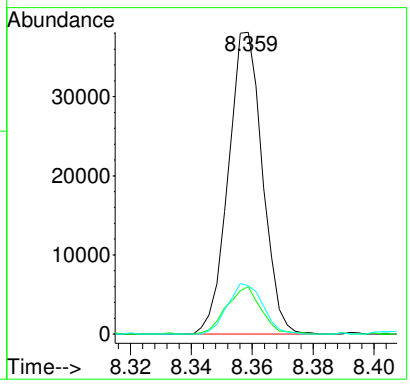


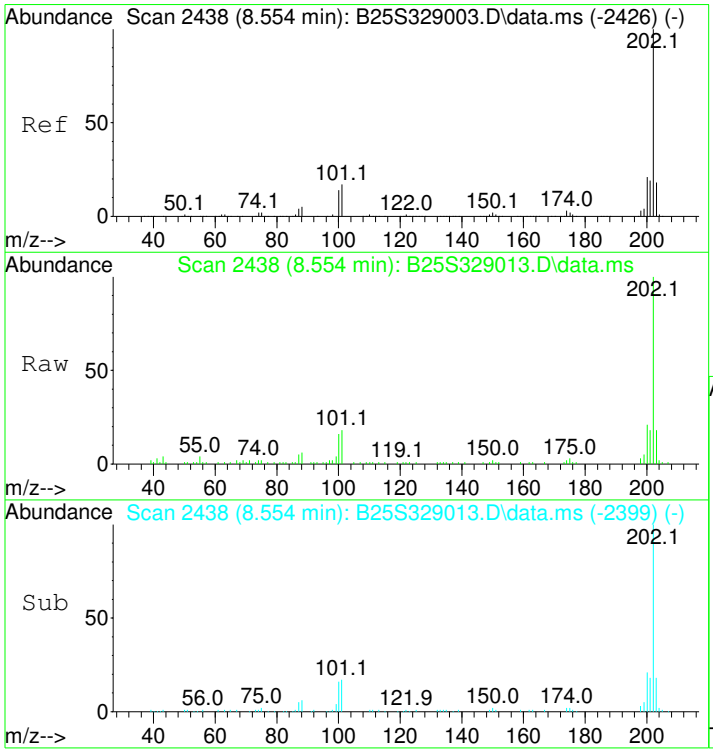


#70
Flouranthene
Concen: 4.81 ug/ml
RT: 8.359 min Scan# 2362
Delta R.T. -0.008 min
Lab File: B25S329013.D
Acq: 25 Nov 2025 6:15 pm

Tgt Ion:202 Resp: 29691

Ion	Ratio	Lower	Upper
202	100		
101	15.9	0.0	36.2
203	17.4	0.0	37.5

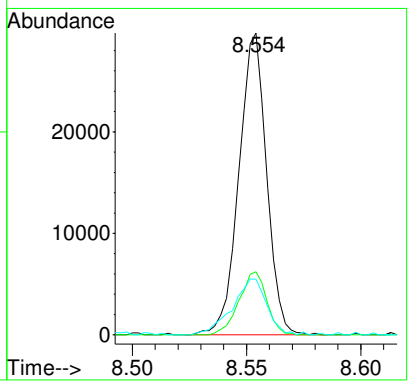


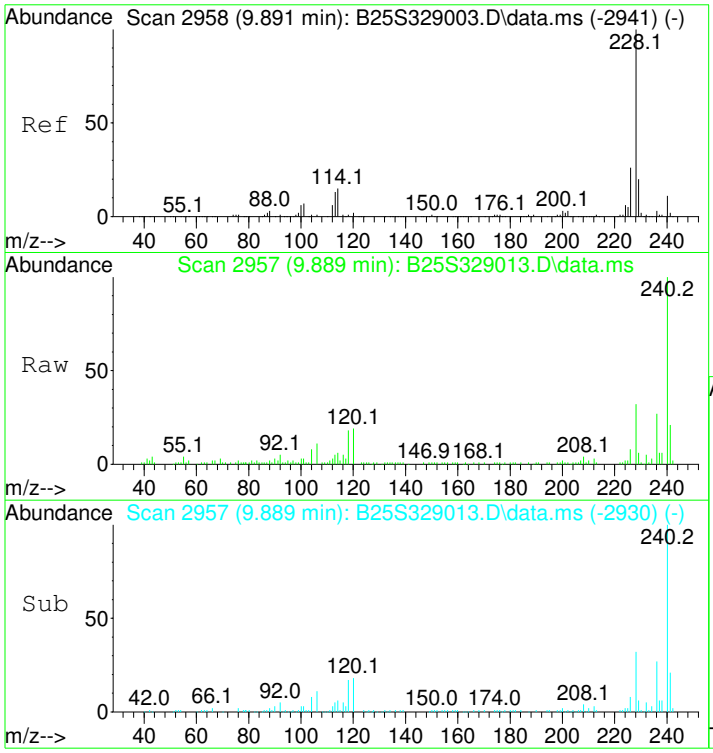


#74
Pyrene
Concen: 3.08 ug/ml
RT: 8.554 min Scan# 2438
Delta R.T. -0.008 min
Lab File: B25S329013.D
Acq: 25 Nov 2025 6:15 pm

Tgt Ion:202 Resp: 25093

Ion	Ratio	Lower	Upper
202	100		
200	20.9	0.1	40.1
203	23.0	0.0	38.1

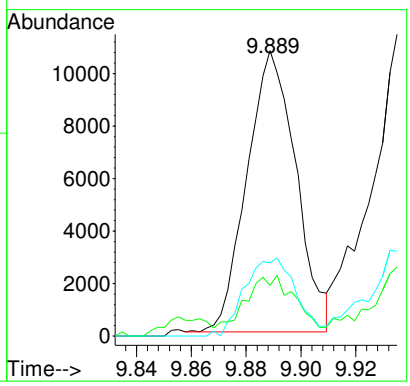


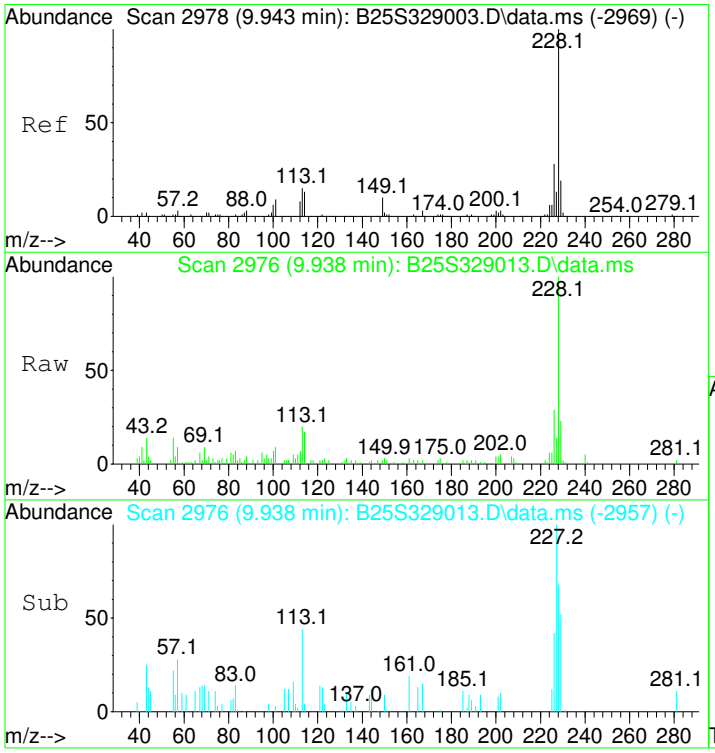


#77
Benzo(a)anthracene
Concen: 1.77 ug/ml
RT: 9.889 min Scan# 2957
Delta R.T. -0.013 min
Lab File: B25S329013.D
Acq: 25 Nov 2025 6:15 pm

Tgt Ion:228 Resp: 13312

Ion	Ratio	Lower	Upper
228	100		
229	20.6	0.0	38.9
226	28.8	4.9	44.9

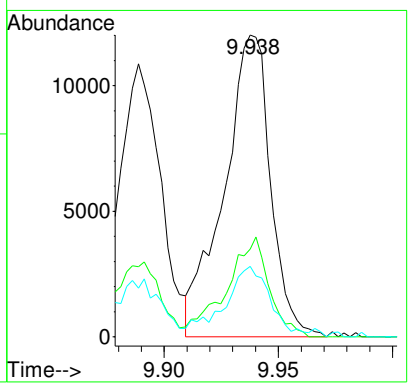


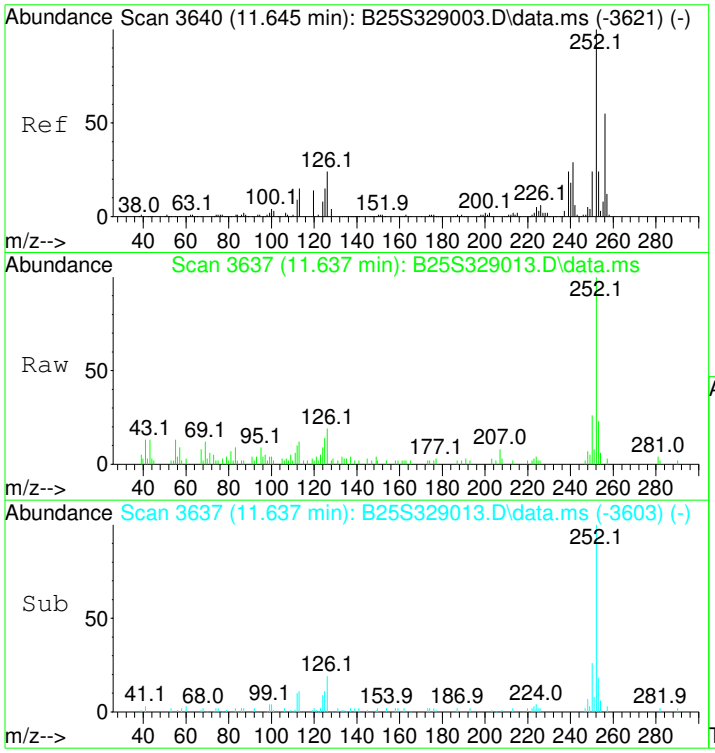


#78
Chrysene
Concen: 2.30 ug/ml
RT: 9.938 min Scan# 2976
Delta R.T. -0.016 min
Lab File: B25S329013.D
Acq: 25 Nov 2025 6:15 pm

Tgt Ion:228 Resp: 17081

Ion	Ratio	Lower	Upper
228	100		
226	30.7	8.1	48.1
229	20.7	0.0	38.9

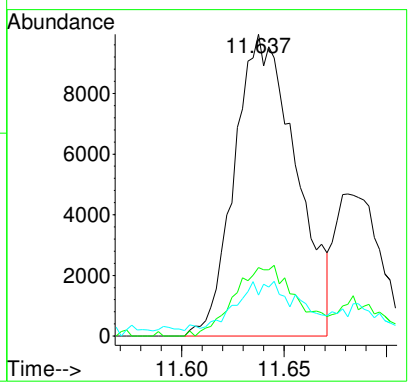


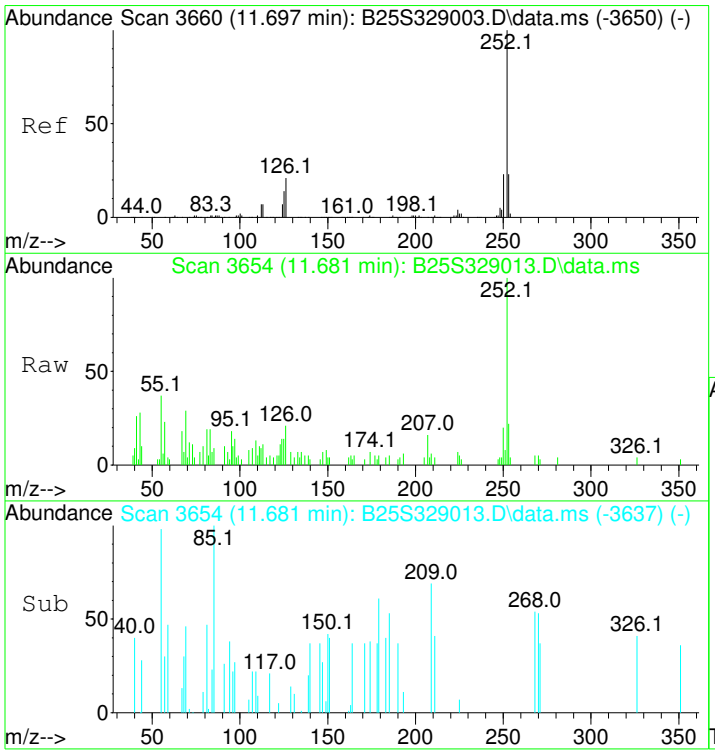


#82
Benzo(b)fluoranthene
Concen: 3.47 ug/ml m
RT: 11.637 min Scan# 3637
Delta R.T. -0.015 min
Lab File: B25S329013.D
Acq: 25 Nov 2025 6:15 pm

Tgt Ion:252 Resp: 20704

Ion	Ratio	Lower	Upper
252	100		
253	4.6	2.2	42.2
125	4.1	0.0	34.5

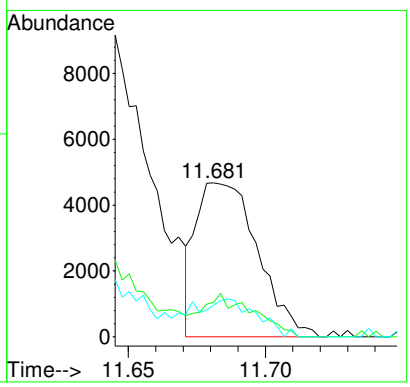


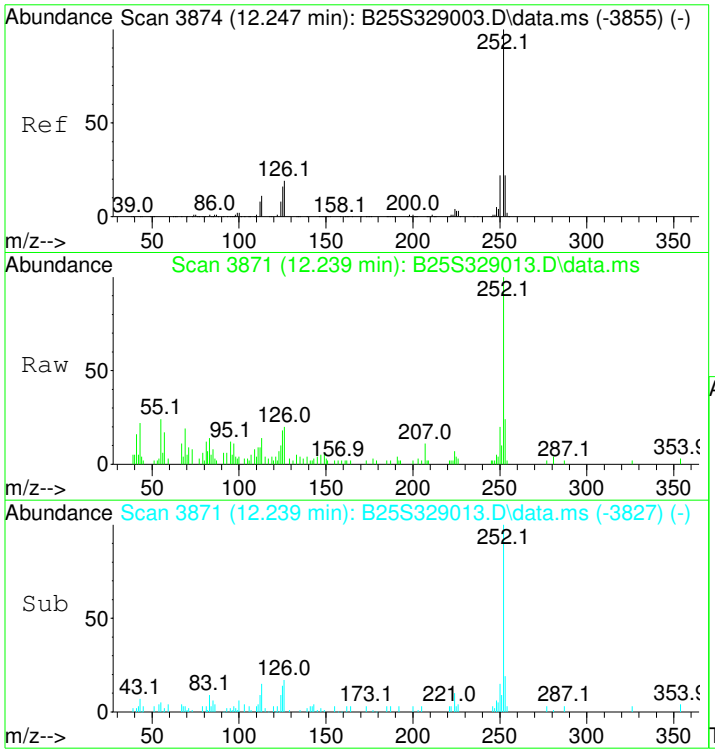


#83
Benzo(k)fluoranthene
Concen: 1.24 ug/ml
RT: 11.681 min Scan# 3654
Delta R.T. -0.023 min
Lab File: B25S329013.D
Acq: 25 Nov 2025 6:15 pm

Tgt Ion:252 Resp: 7335

Ion	Ratio	Lower	Upper
252	100		
253	23.6	0.7	40.7
126	19.0	0.0	39.4

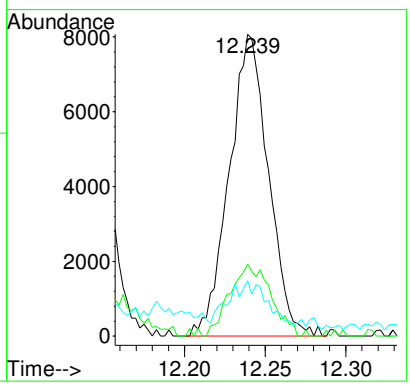


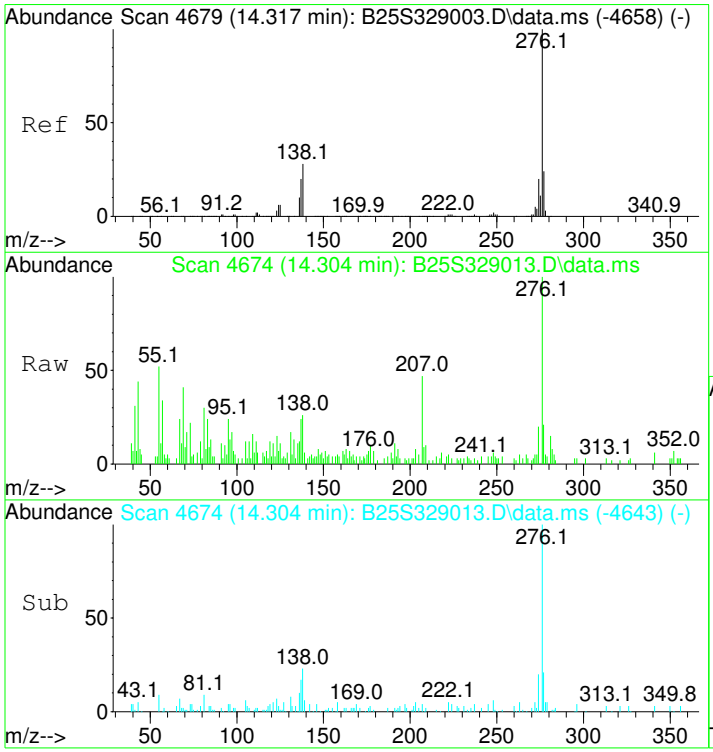


#84
Benzo(a)pyrene
Concen: 2.47 ug/ml
RT: 12.239 min Scan# 3871
Delta R.T. -0.013 min
Lab File: B25S329013.D
Acq: 25 Nov 2025 6:15 pm

Tgt Ion:252 Resp: 13646

Ion	Ratio	Lower	Upper
252	100		
253	24.8	0.4	40.4
125	13.7	0.0	34.0

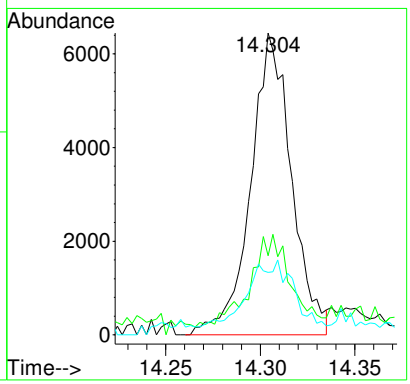


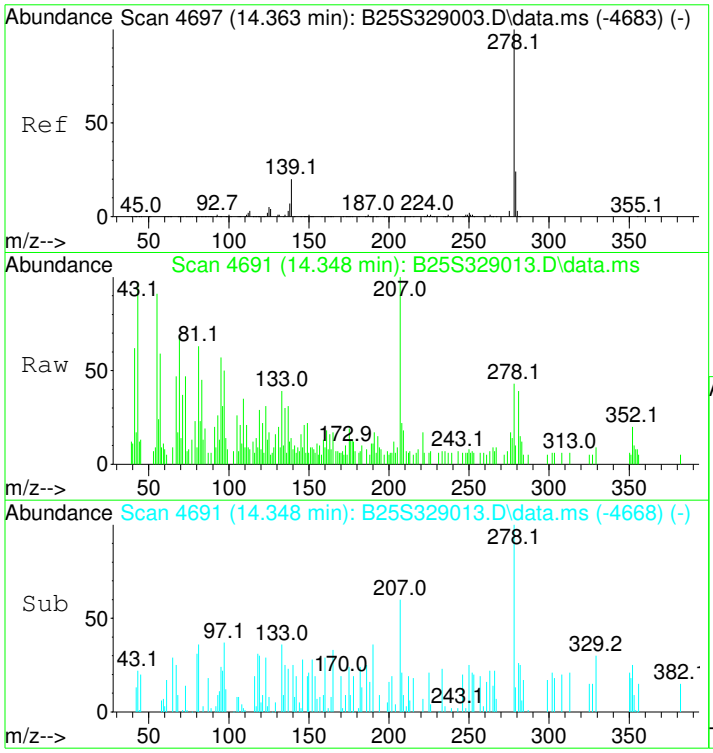


#85
Indeno(1,2,3-cd)pyrene
Concen: 1.96 ug/ml
RT: 14.304 min Scan# 4674
Delta R.T. -0.010 min
Lab File: B25S329013.D
Acq: 25 Nov 2025 6:15 pm

Tgt Ion:276 Resp: 9640

Ion	Ratio	Lower	Upper
276	100		
138	30.6	5.0	45.0
277	13.3	4.1	44.1

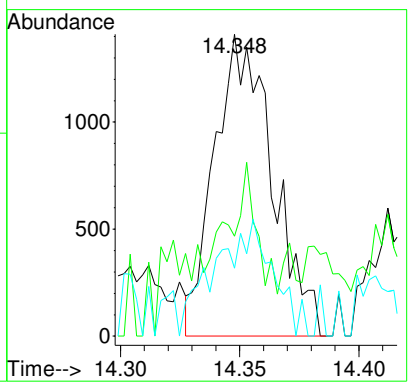


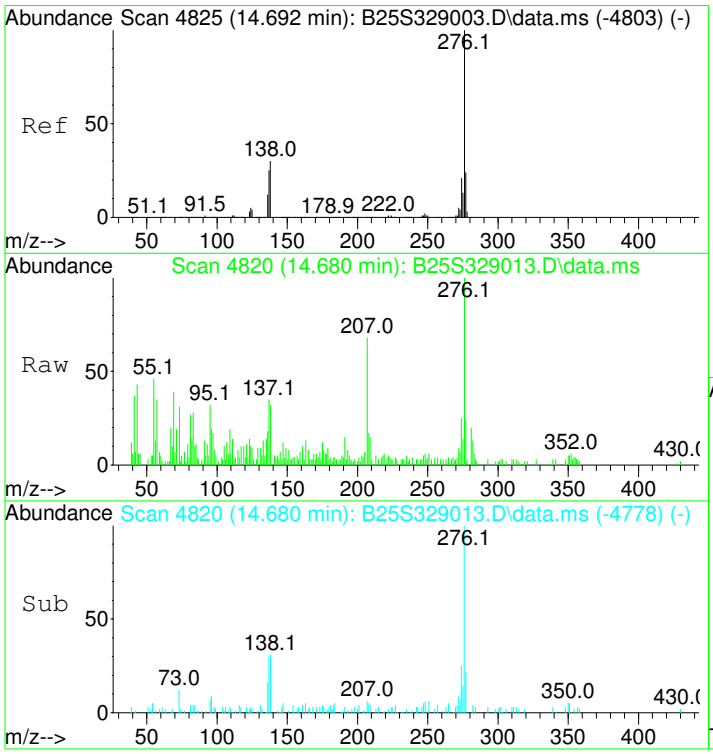


#86
Dibenz(a,h)anthracene
Concen: 0.46 ug/ml
RT: 14.348 min Scan# 4691
Delta R.T. -0.013 min
Lab File: B25S329013.D
Acq: 25 Nov 2025 6:15 pm

Tgt Ion:278 Resp: 2382

Ion	Ratio	Lower	Upper
278	100		
139	14.7	1.1	41.1
279	17.0	3.5	43.5

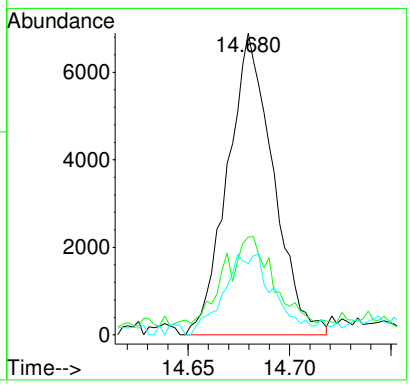




#87
Benzo(g,h,i)perylene
Concen: 1.97 ug/ml
RT: 14.680 min Scan# 4820
Delta R.T. -0.008 min
Lab File: B25S329013.D
Acq: 25 Nov 2025 6:15 pm

Tgt Ion:276 Resp: 10744

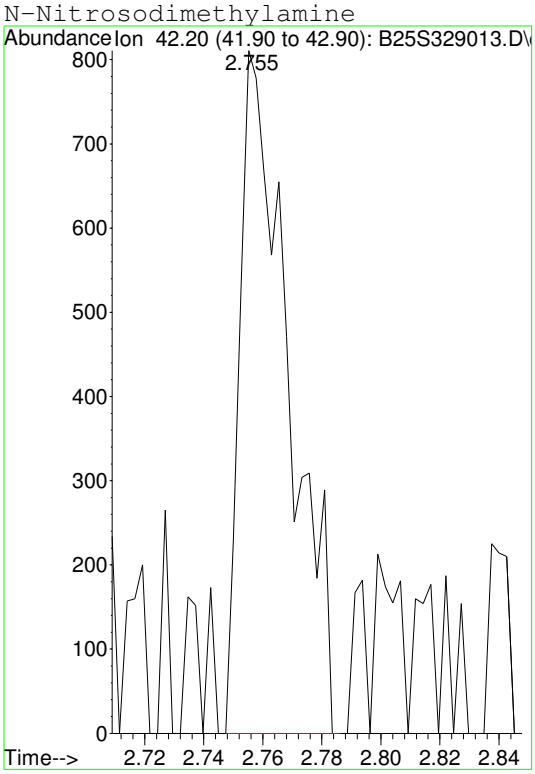
Ion	Ratio	Lower	Upper
276	100		
138	23.2	5.6	45.6
277	14.5	3.2	43.2



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329013.D
Acq On : 25 Nov 2025 6:15 pm
Operator : BGL
Sample : 25K1216-06
Misc :

Quant Time : Wed Nov 26 11:58:11 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
N-Nitrosodimethylamine



Original Int. Results

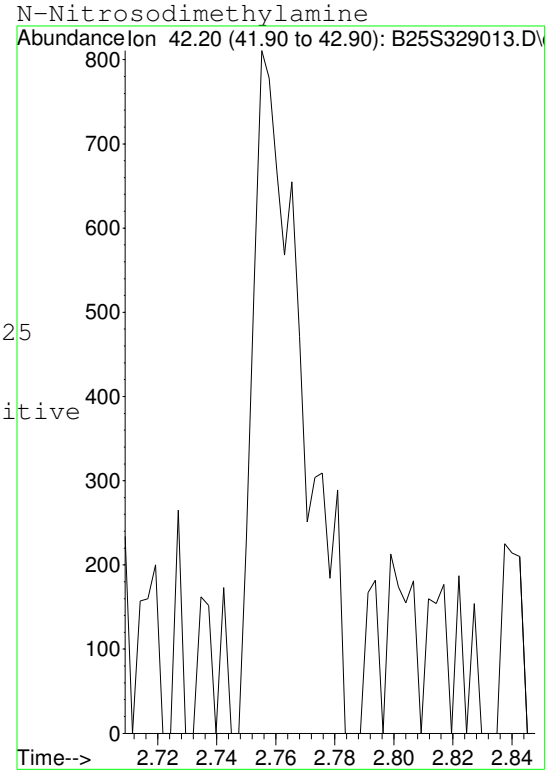
RT : 2.76
Area : 933
Amount: 0.836153

Manual Int. Results

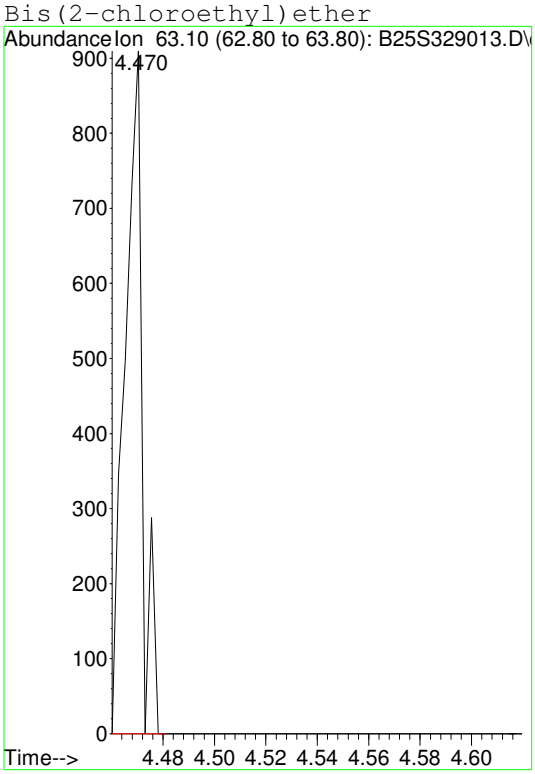
Wed Nov 26 11:50:05 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
N-Nitrosodimethylamine



Original Integration
Bis(2-chloroethyl)ether



Original Int. Results

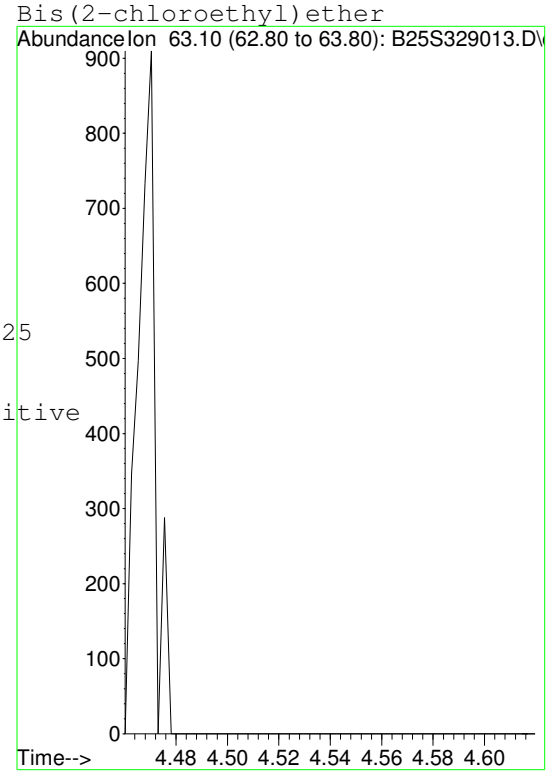
RT : 4.47
Area : 428
Amount: 0.266183

Manual Int. Results

Wed Nov 26 11:50:05 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

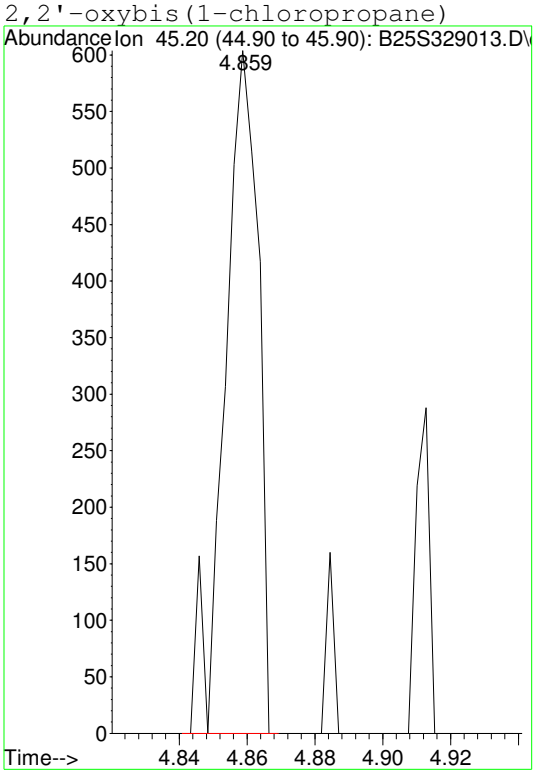
Manual Integration
Bis(2-chloroethyl)ether



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329013.D
Acq On : 25 Nov 2025 6:15 pm
Operator : BGL
Sample : 25K1216-06
Misc :

Quant Time : Wed Nov 26 11:58:11 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
2,2'-oxybis(1-chloropropane)



Original Int. Results

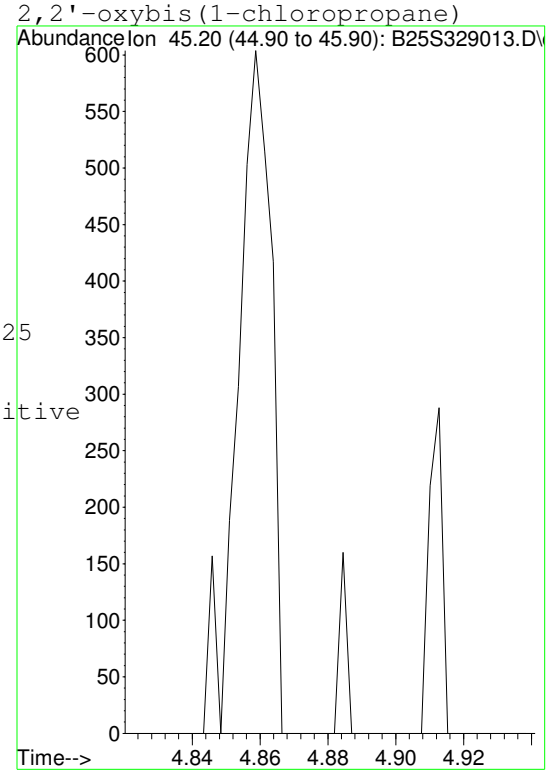
RT : 4.86
Area : 415
Amount: 0.159205

Manual Int. Results

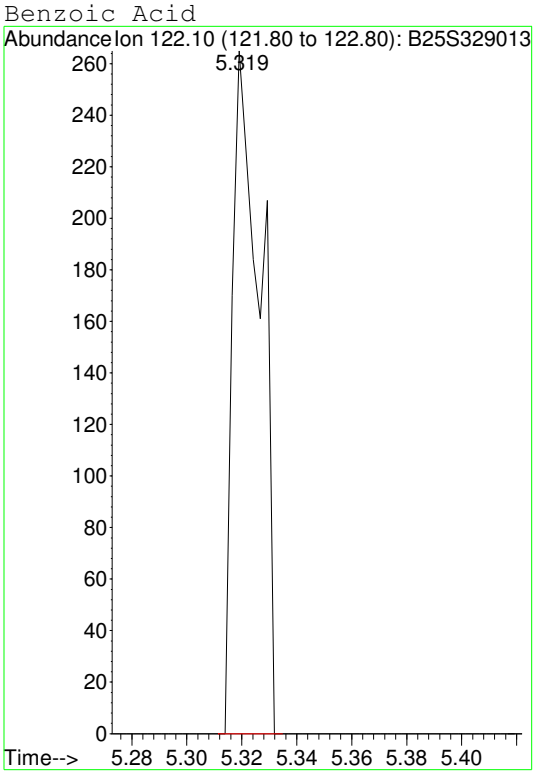
Wed Nov 26 11:50:05 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2,2'-oxybis(1-chloropropane)



Original Integration
Benzoic Acid



Original Int. Results

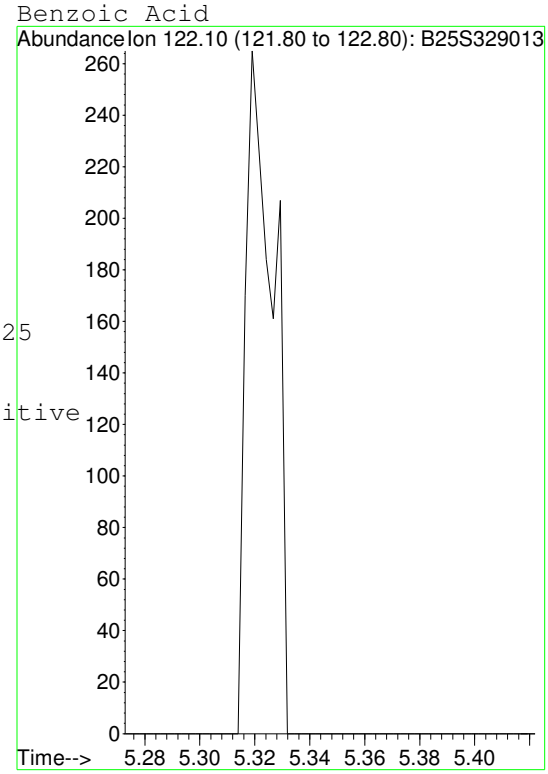
RT : 5.32
Area : 187
Amount: 0.159597

Manual Int. Results

Wed Nov 26 11:50:08 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

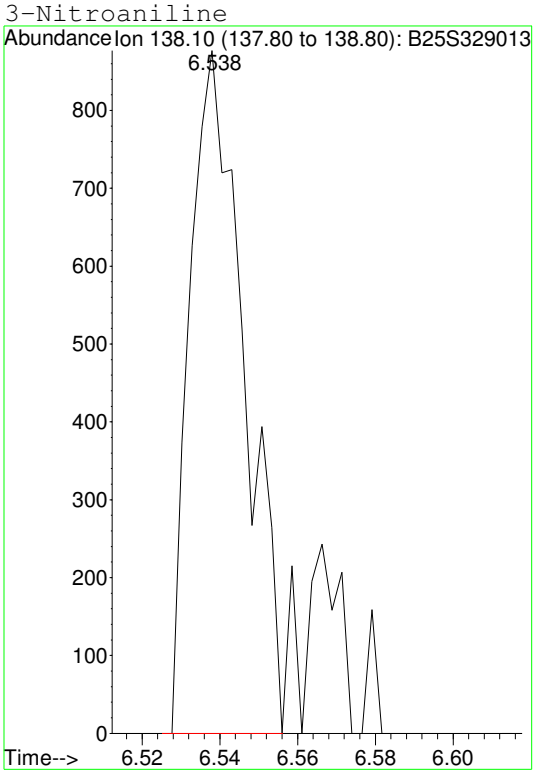
Manual Integration
Benzoic Acid



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329013.D
Acq On : 25 Nov 2025 6:15 pm
Operator : BGL
Sample : 25K1216-06
Misc :

Quant Time : Wed Nov 26 11:58:11 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
3-Nitroaniline



Original Int. Results

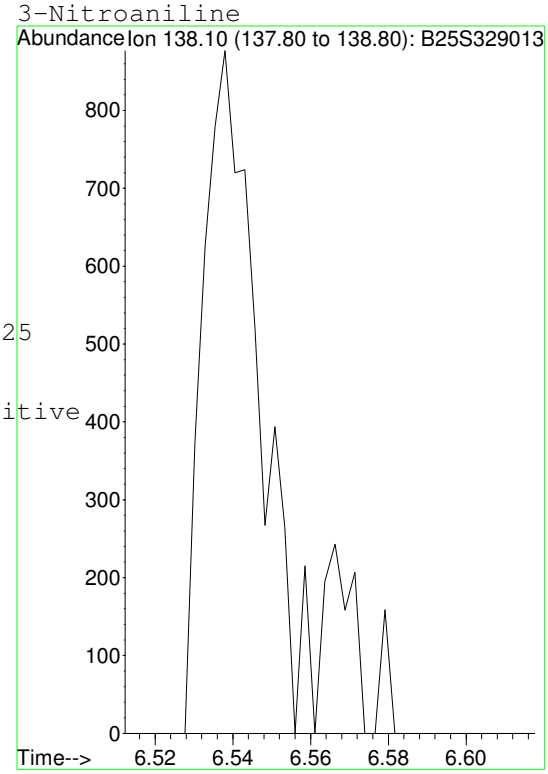
RT : 6.54
Area : 855
Amount: 0.771816

Manual Int. Results

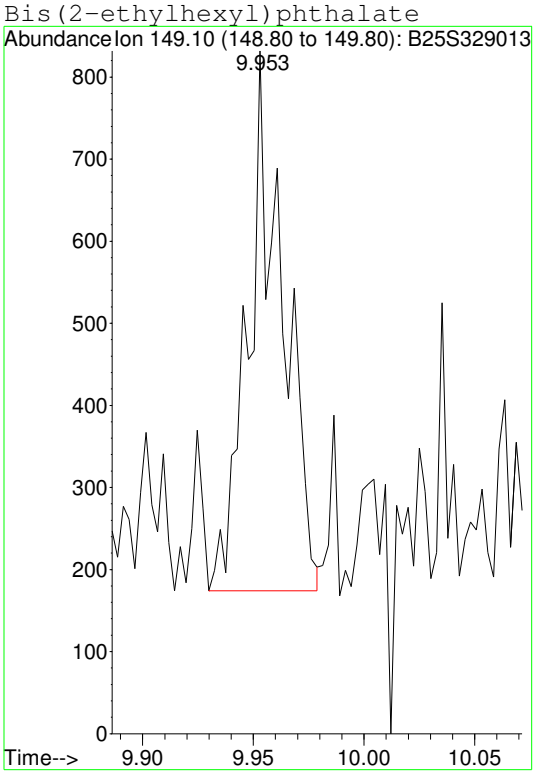
Wed Nov 26 11:50:04 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
3-Nitroaniline



Original Integration
Bis(2-ethylhexyl)phthalate



Original Int. Results

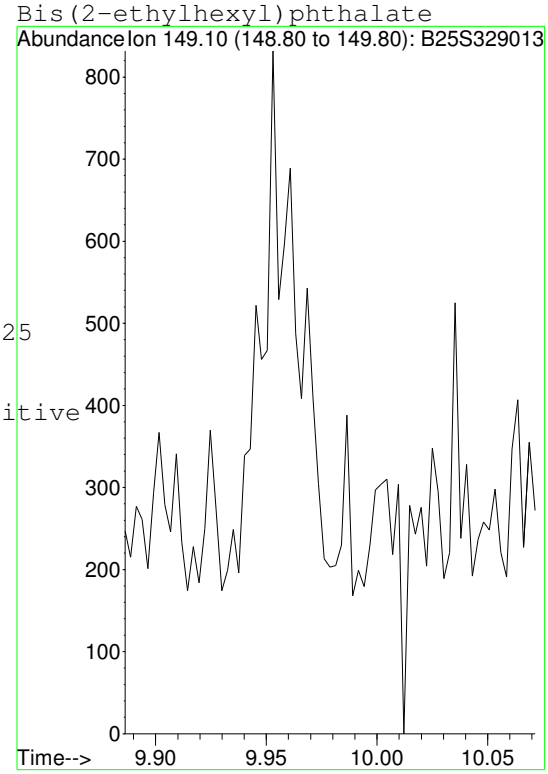
RT : 9.95
Area : 723
Amount: 0.211852

Manual Int. Results

Wed Nov 26 11:57:46 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

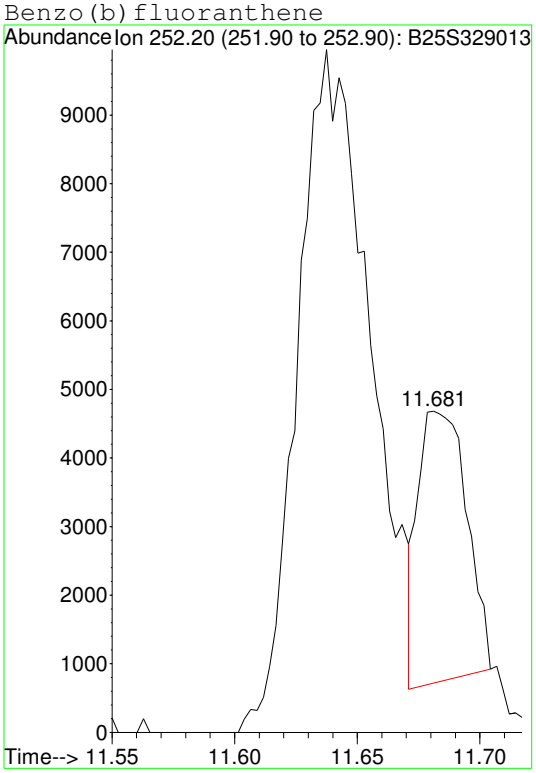
Manual Integration
Bis(2-ethylhexyl)phthalate



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329013.D
Acq On : 25 Nov 2025 6:15 pm
Operator : BGL
Sample : 25K1216-06
Misc :

Quant Time : Wed Nov 26 11:58:11 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Benzo(b)fluoranthene



Original Int. Results

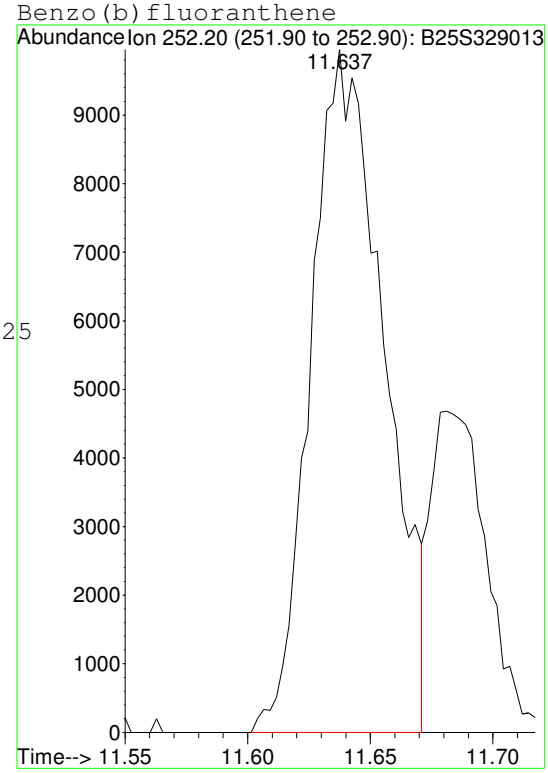
RT : 11.68
Area : 5412
Amount: 0.907068

Manual Int. Results

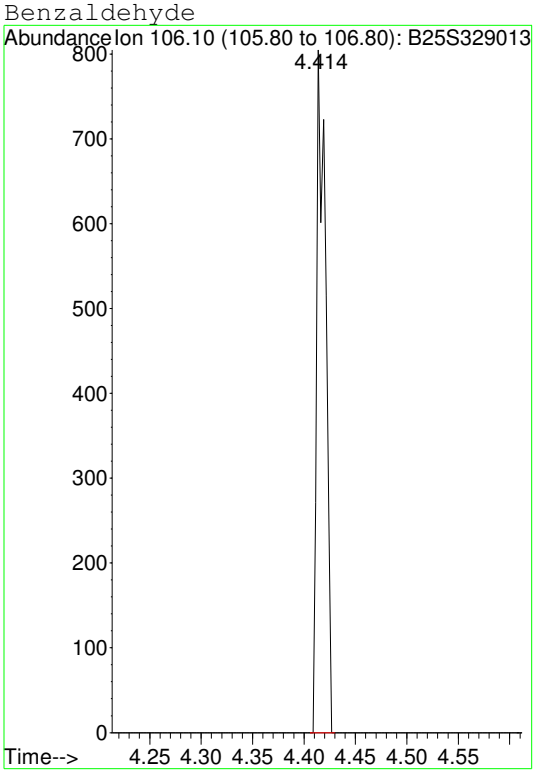
Wed Nov 26 11:57:52 2025

MIuser: BGL
Reason: Other
RT : 11.64
Area : 20704
Amount: 3.47005

Manual Integration
Benzo(b)fluoranthene



Original Integration
Benzaldehyde



Original Int. Results

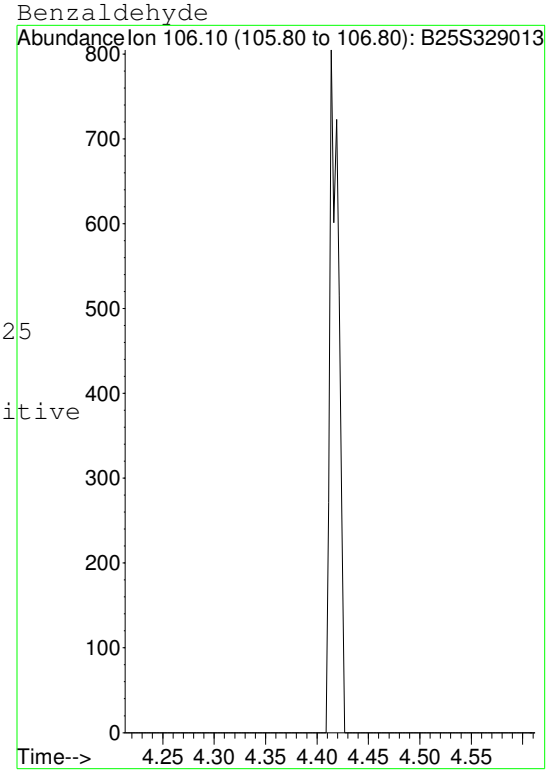
RT : 4.41
Area : 490
Amount: 0.235026

Manual Int. Results

Wed Nov 26 11:58:07 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

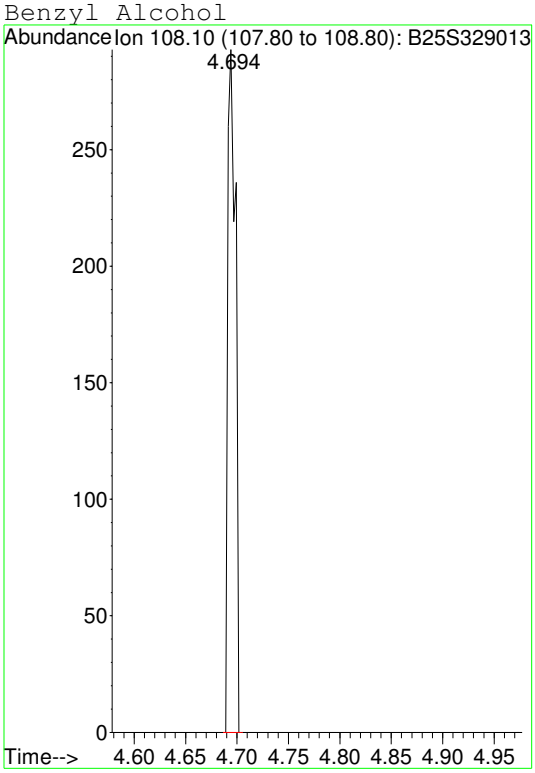
Manual Integration
Benzaldehyde



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329013.D
Acq On : 25 Nov 2025 6:15 pm
Operator : BGL
Sample : 25K1216-06
Misc :

Quant Time : Wed Nov 26 11:58:11 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Benzyl Alcohol



Original Int. Results

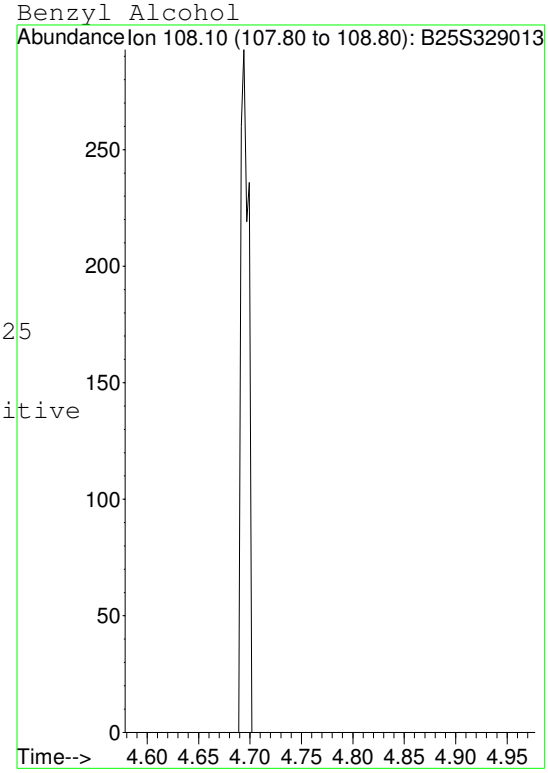
RT : 4.69
Area : 156
Amount: 0.104573

Manual Int. Results

Wed Nov 26 11:58:11 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Benzyl Alcohol



QC DATA

2 - FORM II

SYSTEM MONITORING COMPOUND SUMMARY

SW-846 8270E

Laboratory:	Pace New England	SDG:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Instrument:	GCMSSV2

	2,4,6-TBP (30% - 130%)	2-FlBiphenyl (30% - 130%)	2-Flphenol (30% - 130%)	Nitrobenz-d5 (30% - 130%)	Phenol-d6 (30% - 130%)	Terphnyl-d14 (30% - 130%)
25K1216-01	46.2	40.3	34.6	34.5	34.2	43.4
25K1216-02	54.4	50.9	45.4	48.7	43.1	49.2
25K1216-03	61.8	55.2	50.0	50.3	48.9	61.4
25K1216-04	32.0	35.5	33.2	32.7	32.1	34.3
25K1216-05	53.0	46.8	40.8	39.5	41.6	52.9
25K1216-06	34.7	39.9	34.5	36.6	34.2	38.4
B417963-BLK1	78.5	71.4	65.8	65.8	63.3	80.5
B417963-BS1	77.4	68.3	61.8	59.5	59.7	78.1
B417963-BSD1	73.6	64.2	56.6	54.1	54.8	70.9
B417963-MS1	42.8	40.7	36.1	36.5	35.2	40.7
B417963-MSD1	54.3	47.5	41.4	43.3	40.5	54.9

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

D-3 (0-2in)

Laboratory:	Pace New England	Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B417963	Preparation:	SW-846 3546
% Solids:	82.00	Laboratory ID:	B417963-MS1
Initial/Final:	30.05 g / 1 mL	Sample Lab ID:	25K1216-01
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
2,3,4,6-Tetrachlorophenol	2.029	ND	0.708	34.9	*	40 - 140
Atrazine	2.029	ND	0.927	45.7		40 - 140
Benzaldehyde	2.029	ND	0.569	28.1	*	40 - 140
Biphenyl	2.029	ND	0.840	41.4		40 - 140
Caprolactam	2.029	ND	0.680	33.5	*	40 - 140
Acenaphthene	2.029	0.0150	0.769	37.1	*	40 - 140
Acenaphthylene	2.029	0.0146	0.822	39.8	*	40 - 140
Acetophenone	2.029	ND	0.724	35.7	*	40 - 140
Aniline	2.029	ND	0.377	18.6	*	40 - 140
Anthracene	2.029	0.0714	0.868	39.2	*	40 - 140
Benzo(a)anthracene	2.029	0.483	1.37	43.5		40 - 140
Benzo(a)pyrene	2.029	0.622	1.54	45.3		40 - 140
Benzo(b)fluoranthene	2.029	0.857	1.98	55.2		40 - 140
Benzo(g,h,i)perylene	2.029	0.543	1.29	36.9	*	40 - 140
Benzo(k)fluoranthene	2.029	0.308	1.34	51.0		40 - 140
Bis(2-chloroethoxy)methane	2.029	ND	0.739	36.4	*	40 - 140
Bis(2-chloroethyl)ether	2.029	ND	0.722	35.6	*	40 - 140
2,2'-oxybis(1-Chloropropane)	2.029	ND	0.820	40.4		40 - 140
Bis(2-Ethylhexyl)phthalate	2.029	0.0990	1.08	48.3		40 - 140
4-Bromophenylphenylether	2.029	ND	0.805	39.7	*	40 - 140
Butylbenzylphthalate	2.029	0.0499	0.947	44.2		40 - 140
Carbazole	2.029	0.0588	0.860	39.5	*	40 - 140
4-Chloroaniline	2.029	ND	0.507	25.0	*	40 - 140
4-Chloro-3-methylphenol	2.029	ND	0.723	35.6		30 - 130
2-Chloronaphthalene	2.029	ND	0.713	35.1	*	40 - 140
2-Chlorophenol	2.029	ND	0.683	33.7		30 - 130
4-Chlorophenylphenylether	2.029	ND	0.794	39.1	*	40 - 140
Chrysene	2.029	0.595	1.45	42.2		40 - 140
Dibenz(a,h)anthracene	2.029	0.100	0.816	35.3	*	40 - 140
Dibenzofuran	2.029	ND	0.803	39.6	*	40 - 140

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

D-3 (0-2in)

Laboratory:	Pace New England	Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B417963	Preparation:	SW-846 3546
% Solids:	82.00	Laboratory ID:	B417963-MS1
Initial/Final:	30.05 g / 1 mL	Sample Lab ID:	25K1216-01
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
Di-n-butylphthalate	2.029	ND	0.881	43.4		40 - 140
3,3-Dichlorobenzidine	2.029	ND	0.537	26.5	*	40 - 140
2,4-Dichlorophenol	2.029	ND	0.740	36.5		30 - 130
Diethylphthalate	2.029	ND	0.822	40.5		40 - 140
2,4-Dimethylphenol	2.029	ND	0.737	36.3		30 - 130
Dimethylphthalate	2.029	ND	0.827	40.8		40 - 140
4,6-Dinitro-2-methylphenol	2.029	ND	0.836	41.2		30 - 130
2,4-Dinitrophenol	2.029	ND	0.651	32.1		30 - 130
2,4-Dinitrotoluene	2.029	ND	0.825	40.6		40 - 140
2,6-Dinitrotoluene	2.029	ND	0.816	40.2		40 - 140
Di-n-octylphthalate	2.029	ND	1.35	66.4		40 - 140
Fluoranthene	2.029	1.32	2.44	55.4		40 - 140
Fluorene	2.029	0.0191	0.814	39.2	*	40 - 140
Hexachlorobenzene	2.029	ND	0.845	41.7		40 - 140
Hexachlorobutadiene	2.029	ND	0.804	39.6	*	40 - 140
Hexachlorocyclopentadiene	2.029	ND	0.223	11.0	*	30 - 130
Hexachloroethane	2.029	ND	0.650	32.0	*	40 - 140
Indeno(1,2,3-cd)pyrene	2.029	0.564	1.36	39.1	*	40 - 140
Isophorone	2.029	ND	0.827	40.7		40 - 140
1-Methylnaphthalene	2.029	ND	0.743	36.6	*	40 - 140
2-Methylnaphthalene	2.029	ND	0.692	34.1	*	40 - 140
2-Methylphenol	2.029	ND	0.716	35.3		30 - 130
3/4-Methylphenol	2.029	ND	0.719	35.5		30 - 130
Naphthalene	2.029	0.00933	0.754	36.7	*	40 - 140
2-Nitroaniline	2.029	ND	0.806	39.7	*	40 - 140
3-Nitroaniline	2.029	ND	1.01	49.9		40 - 140
4-Nitroaniline	2.029	ND	0.659	32.5	*	40 - 140
Nitrobenzene	2.029	ND	0.756	37.3	*	40 - 140
2-Nitrophenol	2.029	ND	0.797	39.3		30 - 130
4-Nitrophenol	2.029	ND	0.856	42.2		30 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

D-3 (0-2in)

Laboratory:	Pace New England	Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B417963	Preparation:	SW-846 3546
% Solids:	82.00	Laboratory ID:	B417963-MS1
Initial/Final:	30.05 g / 1 mL	Sample Lab ID:	25K1216-01
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
N-Nitrosodiphenylamine/Diphenylamine	2.029	ND	0.783	38.6	*	40 - 140
N-Nitrosodi-n-propylamine	2.029	ND	0.750	36.9	*	40 - 140
Pentachlorophenol	2.029	ND	0.344	17.0	*	30 - 130
Phenanthrene	2.029	0.451	1.29	41.5		40 - 140
Phenol	2.029	ND	0.711	35.0		30 - 130
Pyrene	2.029	0.895	1.79	44.3		40 - 140
Pyridine	2.029	ND	0.472	23.3	*	40 - 140
1,2,4,5-Tetrachlorobenzene	2.029	ND	0.820	40.4		40 - 140
2,4,5-Trichlorophenol	2.029	ND	0.819	40.4		30 - 130
2,4,6-Trichlorophenol	2.029	ND	0.778	38.4		30 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

D-3 (0-2in)

Laboratory:	Pace New England	Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B417963	Preparation:	SW-846 3546
% Solids:	82.00	Laboratory ID:	B417963-MSD1
Initial/Final:	30.07 g / 1 mL	Sample Lab ID:	25K1216-01
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #		% RPD	QC LIMITS RPD	QC LIMITS REC.
2,3,4,6-Tetrachlorophenol	2.028	0.875	43.2		21.1	30	40 - 140
Atrazine	2.028	1.11	54.6		17.8	30	40 - 140
Benzaldehyde	2.028	0.687	33.9	*	18.7	30	40 - 140
Biphenyl	2.028	0.996	49.1		17.0	30	40 - 140
Caprolactam	2.028	0.842	41.5		21.4	30	40 - 140
Acenaphthene	2.028	0.921	44.7		18.0	30	40 - 140
Acenaphthylene	2.028	0.978	47.5		17.3	30	40 - 140
Acetophenone	2.028	0.837	41.3		14.5	30	40 - 140
Aniline	2.028	0.335	16.5	*	11.8	30	40 - 140
Anthracene	2.028	0.964	44.0		10.5	30	40 - 140
Benzo(a)anthracene	2.028	1.41	45.6		2.92	30	40 - 140
Benzo(a)pyrene	2.028	1.60	48.3		3.91	30	40 - 140
Benzo(b)fluoranthene	2.028	1.81	47.1		8.73	30	40 - 140
Benzo(g,h,i)perylene	2.028	1.52	48.3		16.3	30	40 - 140
Benzo(k)fluoranthene	2.028	1.28	48.1		4.45	30	40 - 140
Bis(2-chloroethoxy)methane	2.028	0.860	42.4		15.2	30	40 - 140
Bis(2-chloroethyl)ether	2.028	0.854	42.1		16.7	30	40 - 140
2,2'-oxybis(1-Chloropropane)	2.028	0.952	46.9		14.9	30	40 - 140
Bis(2-Ethylhexyl)phthalate	2.028	1.44	66.3		28.9	30	40 - 140
4-Bromophenylphenylether	2.028	0.983	48.5		19.9	30	40 - 140
Butylbenzylphthalate	2.028	1.26	59.7		28.4	30	40 - 140
Carbazole	2.028	1.02	47.3		16.7	30	40 - 140
4-Chloroaniline	2.028	0.525	25.9	*	3.47	30	40 - 140
4-Chloro-3-methylphenol	2.028	0.882	43.5		19.9	30	30 - 130
2-Chloronaphthalene	2.028	0.819	40.4		13.9	30	40 - 140
2-Chlorophenol	2.028	0.807	39.8		16.7	30	30 - 130
4-Chlorophenylphenylether	2.028	0.979	48.3		20.8	30	40 - 140
Chrysene	2.028	1.52	45.7		4.79	30	40 - 140
Dibenz(a,h)anthracene	2.028	1.01	45.1		21.7	30	40 - 140
Dibenzofuran	2.028	0.953	47.0		17.0	30	40 - 140

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

D-3 (0-2in)

Laboratory:	Pace New England	Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B417963	Preparation:	SW-846 3546
% Solids:	82.00	Laboratory ID:	B417963-MSD1
Initial/Final:	30.07 g / 1 mL	Sample Lab ID:	25K1216-01
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #		% RPD		QC LIMITS RPD	QC LIMITS REC.
Di-n-butylphthalate	2.028	1.10	54.0		21.6		30	40 - 140
3,3-Dichlorobenzidine	2.028	0.314	15.5	*	52.4	*	30	40 - 140
2,4-Dichlorophenol	2.028	0.913	45.0		20.9		30	30 - 130
Diethylphthalate	2.028	1.03	50.9		22.7		30	40 - 140
2,4-Dimethylphenol	2.028	0.880	43.4		17.7		30	30 - 130
Dimethylphthalate	2.028	0.991	48.9		18.0		30	40 - 140
4,6-Dinitro-2-methylphenol	2.028	0.970	47.8		14.8		30	30 - 130
2,4-Dinitrophenol	2.028	0.792	39.1		19.5		30	30 - 130
2,4-Dinitrotoluene	2.028	0.994	49.0		18.7		30	40 - 140
2,6-Dinitrotoluene	2.028	0.998	49.2		20.0		30	40 - 140
Di-n-octylphthalate	2.028	1.55	76.6		14.2		30	40 - 140
Fluoranthene	2.028	2.42	54.3		0.935		30	40 - 140
Fluorene	2.028	0.967	46.8		17.2		30	40 - 140
Hexachlorobenzene	2.028	1.00	49.5		17.1		30	40 - 140
Hexachlorobutadiene	2.028	0.955	47.1		17.2		30	40 - 140
Hexachlorocyclopentadiene	2.028	0.128	6.30	*	54.4	*	30	30 - 130
Hexachloroethane	2.028	0.669	33.0	*	2.95		30	40 - 140
Indeno(1,2,3-cd)pyrene	2.028	1.53	47.8		12.1		30	40 - 140
Isophorone	2.028	0.959	47.3		14.8		30	40 - 140
1-Methylnaphthalene	2.028	0.860	42.4		14.5		30	40 - 140
2-Methylnaphthalene	2.028	0.809	39.9	*	15.5		30	40 - 140
2-Methylphenol	2.028	0.813	40.1		12.7		30	30 - 130
3/4-Methylphenol	2.028	0.865	42.7		18.4		30	30 - 130
Naphthalene	2.028	0.897	43.8		17.4		30	40 - 140
2-Nitroaniline	2.028	0.963	47.5		17.7		30	40 - 140
3-Nitroaniline	2.028	1.55	76.2		41.6	*	30	40 - 140
4-Nitroaniline	2.028	0.672	33.2	*	2.01		30	40 - 140
Nitrobenzene	2.028	0.878	43.3		15.0		30	40 - 140
2-Nitrophenol	2.028	0.941	46.4		16.5		30	30 - 130
4-Nitrophenol	2.028	1.05	51.9		20.6		30	30 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

D-3 (0-2in)

Laboratory:	Pace New England	Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B417963	Preparation:	SW-846 3546
% Solids:	82.00	Laboratory ID:	B417963-MSD1
Initial/Final:	30.07 g / 1 mL	Sample Lab ID:	25K1216-01
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #		% RPD		QC LIMITS RPD	QC LIMITS REC.
N-Nitrosodiphenylamine/Diphenylamine	2.028	0.940	46.4		18.3		30	40 - 140
N-Nitrosodi-n-propylamine	2.028	0.873	43.0		15.2		30	40 - 140
Pentachlorophenol	2.028	0.547	27.0	*	45.5	*	30	30 - 130
Phenanthrene	2.028	1.36	44.9		5.16		30	40 - 140
Phenol	2.028	0.818	40.4		14.0		30	30 - 130
Pyrene	2.028	1.95	52.2		8.55		30	40 - 140
Pyridine	2.028	0.559	27.6	*	16.8		30	40 - 140
1,2,4,5-Tetrachlorobenzene	2.028	0.942	46.5		13.9		30	40 - 140
2,4,5-Trichlorophenol	2.028	0.973	48.0		17.2		30	30 - 130
2,4,6-Trichlorophenol	2.028	0.945	46.6		19.4		30	30 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Preparation:	SW-846 3546
Batch:	B417963	Laboratory ID:	B417963-BS1
Column:		Initial/Final:	30.05 g / 1 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
2,3,4,6-Tetrachlorophenol	1.664	1.15	68.8	40 - 140
Atrazine	1.664	1.23	74.1	40 - 140
Benzaldehyde	1.664	0.696	41.8	40 - 140
Biphenyl	1.664	1.16	69.9	40 - 140
Caprolactam	1.664	1.06	63.6	40 - 140
Acenaphthene	1.664	1.09	65.4	40 - 140
Acenaphthylene	1.664	1.18	70.6	40 - 140
Acetophenone	1.664	0.959	57.6	40 - 140
Aniline	1.664	0.615	37.0	10 - 140
Anthracene	1.664	1.08	65.0	40 - 140
Benzo(a)anthracene	1.664	1.10	66.3	40 - 140
Benzo(a)pyrene	1.664	1.16	69.9	40 - 140
Benzo(b)fluoranthene	1.664	1.16	69.6	40 - 140
Benzo(g,h,i)perylene	1.664	1.35	81.4	40 - 140
Benzo(k)fluoranthene	1.664	1.13	67.7	40 - 140
Bis(2-chloroethoxy)methane	1.664	0.996	59.9	40 - 140
Bis(2-chloroethyl)ether	1.664	0.965	58.0	40 - 140
2,2'-oxybis(1-Chloropropane)	1.664	1.12	67.6	40 - 140
Bis(2-Ethylhexyl)phthalate	1.664	1.47	88.5	40 - 140
4-Bromophenylphenylether	1.664	1.19	71.7	40 - 140
Butylbenzylphthalate	1.664	1.33	79.8	40 - 140
Carbazole	1.664	1.09	65.4	40 - 140
4-Chloroaniline	1.664	0.675	40.5	10 - 140
4-Chloro-3-methylphenol	1.664	1.08	65.1	30 - 130
2-Chloronaphthalene	1.664	0.956	57.4	40 - 140
2-Chlorophenol	1.664	0.971	58.4	30 - 130
4-Chlorophenylphenylether	1.664	1.08	65.0	40 - 140
Chrysene	1.664	1.07	64.1	40 - 140
Dibenz(a,h)anthracene	1.664	1.39	83.4	40 - 140
Dibenzofuran	1.664	1.10	66.0	40 - 140
Di-n-butylphthalate	1.664	1.23	73.8	40 - 140
3,3-Dichlorobenzidine	1.664	1.05	62.9	20 - 140
2,4-Dichlorophenol	1.664	1.10	65.8	30 - 130
Diethylphthalate	1.664	1.14	68.8	40 - 140
2,4-Dimethylphenol	1.664	1.10	66.4	30 - 130
Dimethylphthalate	1.664	1.18	71.1	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Preparation:	SW-846 3546
Batch:	B417963	Laboratory ID:	B417963-BS1
Column:		Initial/Final:	30.05 g / 1 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
4,6-Dinitro-2-methylphenol	1.664	1.17	70.3	30 - 130
2,4-Dinitrophenol	1.664	1.28	77.1	30 - 130
2,4-Dinitrotoluene	1.664	1.18	71.0	40 - 140
2,6-Dinitrotoluene	1.664	1.23	73.9	40 - 140
Di-n-octylphthalate	1.664	1.43	86.0	40 - 140
Fluoranthene	1.664	1.09	65.5	40 - 140
Fluorene	1.664	1.08	64.7	40 - 140
Hexachlorobenzene	1.664	1.22	73.1	40 - 140
Hexachlorobutadiene	1.664	1.13	67.7	40 - 140
Hexachlorocyclopentadiene	1.664	1.30	77.9	40 - 140
Hexachloroethane	1.664	0.959	57.7	40 - 140
Indeno(1,2,3-cd)pyrene	1.664	1.46	87.8	40 - 140
Isophorone	1.664	1.11	66.6	40 - 140
1-Methylnaphthalene	1.664	1.04	62.2	40 - 140
2-Methylnaphthalene	1.664	0.950	57.1	40 - 140
2-Methylphenol	1.664	1.00	60.3	30 - 130
3/4-Methylphenol	1.664	1.06	63.7	30 - 130
Naphthalene	1.664	1.02	61.1	40 - 140
2-Nitroaniline	1.664	1.34	80.6	40 - 140
3-Nitroaniline	1.664	1.02	61.2	30 - 140
4-Nitroaniline	1.664	1.02	61.3	40 - 140
Nitrobenzene	1.664	1.03	61.7	40 - 140
2-Nitrophenol	1.664	1.10	66.4	30 - 130
4-Nitrophenol	1.664	1.19	71.7	30 - 130
N-Nitrosodiphenylamine/Diphenylamine	1.664	1.12	67.3	40 - 140
N-Nitrosodi-n-propylamine	1.664	1.01	60.7	40 - 140
Pentachlorophenol	1.664	1.03	62.1	30 - 130
Phenanthrene	1.664	1.07	64.2	40 - 140
Phenol	1.664	0.993	59.7	30 - 130
Pyrene	1.664	1.12	67.3	40 - 140
Pyridine	1.664	0.640	38.5	30 - 140
1,2,4,5-Tetrachlorobenzene	1.664	1.13	68.0	40 - 140
2,4,5-Trichlorophenol	1.664	1.19	71.5	30 - 130
2,4,6-Trichlorophenol	1.664	1.17	70.1	30 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Preparation:	SW-846 3546
Batch:	B417963	Laboratory ID:	B417963-BSD1
Column:		Initial/Final:	30.08 g / 1 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
2,3,4,6-Tetrachlorophenol	1.662	1.06	63.9		7.57	20	40 - 140
Atrazine	1.662	1.21	72.9		1.84	30	40 - 140
Benzaldehyde	1.662	0.651	39.1	*	6.67	20	40 - 140
Biphenyl	1.662	1.10	66.1		5.69	20	40 - 140
Caprolactam	1.662	0.880	52.9		18.4	20	40 - 140
Acenaphthene	1.662	0.989	59.5		9.57	30	40 - 140
Acenaphthylene	1.662	1.07	64.1		9.72	30	40 - 140
Acetophenone	1.662	0.908	54.6		5.41	30	40 - 140
Aniline	1.662	0.589	35.4		4.41	50	10 - 140
Anthracene	1.662	0.989	59.5		8.91	30	40 - 140
Benzo(a)anthracene	1.662	0.994	59.8		10.4	30	40 - 140
Benzo(a)pyrene	1.662	1.05	63.2		10.2	30	40 - 140
Benzo(b)fluoranthene	1.662	1.05	63.1		9.89	30	40 - 140
Benzo(g,h,i)perylene	1.662	1.18	71.0		13.7	30	40 - 140
Benzo(k)fluoranthene	1.662	1.02	61.5		9.79	30	40 - 140
Bis(2-chloroethoxy)methane	1.662	0.954	57.4		4.26	30	40 - 140
Bis(2-chloroethyl)ether	1.662	0.917	55.1		5.19	30	40 - 140
2,2'-oxybis(1-Chloropropane)	1.662	1.08	65.0		4.02	30	40 - 140
Bis(2-Ethylhexyl)phthalate	1.662	1.40	84.2		5.01	30	40 - 140
4-Bromophenylphenylether	1.662	1.14	68.8		4.31	30	40 - 140
Butylbenzylphthalate	1.662	1.17	70.5		12.5	30	40 - 140
Carbazole	1.662	0.969	58.3		11.5	30	40 - 140
4-Chloroaniline	1.662	0.653	39.3		3.26	30	10 - 140
4-Chloro-3-methylphenol	1.662	0.930	55.9		15.3	30	30 - 130
2-Chloronaphthalene	1.662	0.972	58.5		1.69	30	40 - 140
2-Chlorophenol	1.662	0.903	54.3		7.23	30	30 - 130
4-Chlorophenylphenylether	1.662	1.07	64.5		0.934	30	40 - 140
Chrysene	1.662	0.974	58.6		9.13	30	40 - 140
Dibenz(a,h)anthracene	1.662	1.17	70.5		16.9	30	40 - 140
Dibenzofuran	1.662	1.04	62.7		5.23	30	40 - 140
Di-n-butylphthalate	1.662	1.13	68.0		8.28	30	40 - 140
3,3-Dichlorobenzidine	1.662	1.00	60.3		4.19	50	20 - 140
2,4-Dichlorophenol	1.662	1.02	61.3		7.31	30	30 - 130
Diethylphthalate	1.662	1.09	65.6		4.89	30	40 - 140
2,4-Dimethylphenol	1.662	1.01	60.6		9.27	30	30 - 130
Dimethylphthalate	1.662	1.06	64.0		10.6	30	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Preparation:	SW-846 3546
Batch:	B417963	Laboratory ID:	B417963-BSD1
Column:		Initial/Final:	30.08 g / 1 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
4,6-Dinitro-2-methylphenol	1.662	1.06	63.8	9.91	30	30 - 130
2,4-Dinitrophenol	1.662	1.07	64.6	17.8	30	30 - 130
2,4-Dinitrotoluene	1.662	1.09	65.4	8.34	30	40 - 140
2,6-Dinitrotoluene	1.662	1.10	65.9	11.5	30	40 - 140
Di-n-octylphthalate	1.662	1.31	79.1	8.48	30	40 - 140
Fluoranthene	1.662	0.969	58.3	11.7	30	40 - 140
Fluorene	1.662	1.04	62.8	3.05	30	40 - 140
Hexachlorobenzene	1.662	1.13	67.8	7.68	30	40 - 140
Hexachlorobutadiene	1.662	1.05	62.9	7.54	30	40 - 140
Hexachlorocyclopentadiene	1.662	1.27	76.6	1.73	30	40 - 140
Hexachloroethane	1.662	0.877	52.8	8.97	30	40 - 140
Indeno(1,2,3-cd)pyrene	1.662	1.23	73.8	17.4	30	40 - 140
Isophorone	1.662	1.01	61.0	8.88	30	40 - 140
1-Methylnaphthalene	1.662	0.905	54.4	13.5	30	40 - 140
2-Methylnaphthalene	1.662	0.846	50.9	11.5	30	40 - 140
2-Methylphenol	1.662	0.912	54.9	9.51	30	30 - 130
3/4-Methylphenol	1.662	0.972	58.5	8.71	30	30 - 130
Naphthalene	1.662	0.932	56.1	8.73	30	40 - 140
2-Nitroaniline	1.662	1.04	62.7	25.1	30	40 - 140
3-Nitroaniline	1.662	0.885	53.2	14.0	30	30 - 140
4-Nitroaniline	1.662	0.928	55.8	9.56	30	40 - 140
Nitrobenzene	1.662	0.941	56.6	8.69	30	40 - 140
2-Nitrophenol	1.662	1.02	61.1	8.35	30	30 - 130
4-Nitrophenol	1.662	1.02	61.5	15.3	50	30 - 130
N-Nitrosodiphenylamine/Diphenylamine	1.662	1.02	61.2	9.59	30	40 - 140
N-Nitrosodi-n-propylamine	1.662	0.933	56.1	7.97	30	40 - 140
Pentachlorophenol	1.662	0.942	56.7	9.23	30	30 - 130
Phenanthrene	1.662	0.974	58.6	9.16	30	40 - 140
Phenol	1.662	0.923	55.5	7.36	30	30 - 130
Pyrene	1.662	1.00	60.2	11.1	30	40 - 140
Pyridine	1.662	0.600	36.1	6.54	30	30 - 140
1,2,4,5-Tetrachlorobenzene	1.662	1.08	65.0	4.58	30	40 - 140
2,4,5-Trichlorophenol	1.662	1.09	65.6	8.65	30	30 - 130
2,4,6-Trichlorophenol	1.662	1.05	63.3	10.2	30	30 - 130

4 - FORM IV
METHOD BLANK SUMMARY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Blank ID:	B417963-BLK1 Batch: B417963	Prepared:	11/21/2025 07:21

Client Sample ID	Laboratory Sample ID	Lab File ID	Time Analyzed
LCS	B417963-BS1	B25S329005.D	14:58
LCS Dup	B417963-BSD1	B25S329006.D	15:22
D-3 (0-2in)	25K1216-01	B25S329008.D	16:12
D-3 (2-12in)	25K1216-02	B25S329009.D	16:36
E-2 (0-2in)	25K1216-03	B25S329010.D	17:01
E-2 (2-12in)	25K1216-04	B25S329011.D	17:26
E-3 (0-2in)	25K1216-05	B25S329012.D	17:51
E-3 (2-12in)	25K1216-06	B25S329013.D	18:15
Matrix Spike	B417963-MS1	B25S329016.D	19:30
Matrix Spike Dup	B417963-MSD1	B25S329017.D	19:54

5 - FORM V
INSTRUMENT PERFORMANCE CHECK

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Lab File ID:	B25S297001.D	Injection Date:	10/24/25
Instrument ID:	GCMSSV2	Injection Time:	10:28
Sequence:	S128430	Lab Sample ID:	S128430-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS/FAIL
68	Less than 2% of 69	0	PASS
69	Base peak, 100% relative abundance	100	PASS
70	Less than 2% of 69	0.449	PASS
197	Less than 2% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.83	PASS
365	1 - 100% of 198	2.77	PASS
441	Less than 150% of 443	83.1	PASS
442	Base peak, 100% relative abundance	100	PASS
443	15 - 24% of 442	19.6	PASS

Client ID	Sample ID	File ID	Date Analyzed	Time Analyzed
1	S128430-CALB	B25S297006.D	10/24/2025	12:36:00
2	S128430-CAL8	B25S297007.D	10/24/2025	13:01:00
5	S128430-CAL1	B25S297017.D	10/24/2025	13:25:00
5	S128430-CAL1	B25S297008.D	10/24/2025	13:25:00
10	S128430-CAL2	B25S297018.D	10/24/2025	13:50:00
10	S128430-CAL2	B25S297009.D	10/24/2025	13:50:00
20	S128430-CAL3	B25S297019.D	10/24/2025	14:15:00
20	S128430-CAL3	B25S297010.D	10/24/2025	14:15:00
50	S128430-CAL4	B25S297011.D	10/24/2025	14:39:00
50	S128430-CAL4	B25S297020.D	10/24/2025	14:39:00
80	S128430-CAL5	B25S297021.D	10/24/2025	15:04:00
80	S128430-CAL5	B25S297012.D	10/24/2025	15:04:00
100	S128430-CAL6	B25S297022.D	10/24/2025	15:28:00
100	S128430-CAL6	B25S297013.D	10/24/2025	15:28:00
120	S128430-CAL7	B25S297014.D	10/24/2025	15:53:00
160	S128430-CALA	B25S297015.D	10/24/2025	16:17:00
Initial Cal Check	S128430-ICV1	B25S297023.D	10/24/2025	16:42:00
Initial Cal Check	S128430-ICV1	B25S297016.D	10/24/2025	16:42:00

CALIBRATION DATA

6 - FORM VI
INITIAL CALIBRATION DATA SHEET

SW-846 8270E

Client: NYDEC HRP Associates - Clifton Park, NY SDG: 25K1216

Project: City of Corning Fire Dept - CO 153522

Calibration: 2500833 Instrument: GCMSSV2

Calibration Date: 10/24/2025 12:00:47AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
2,3,4,6-Tetrachlorophenol	5	0.256213	10	0.2414281	20	0.2824211	50	0.2561438	80	0.2499096	100	0.2621998
Atrazine	5	0.3311913	10	0.3082656	20	0.3437007	50	0.3080851	80	0.2850887	100	0.3019493
Benzaldehyde	5	1.390063	10	1.292213	20	1.543223	50	1.282914	80	1.223788	100	1.253032
Biphenyl	5	1.505823	10	1.571865	20	1.490595	50	1.397595	80	1.438661	100	1.589409
Caprolactam	5	0.1204366	10	0.1178975	20	0.1305606	50	0.1277876	80	0.1180181	100	0.1207597
Acenaphthene	5	1.254484	10	1.327604	20	1.252422	50	1.198035	80	1.253743	100	1.381126
Acenaphthylene	5	1.840819	10	1.991637	20	1.890641	50	1.795819	80	1.879199	100	2.065051
Acetophenone	5	2.103583	10	2.14477	20	2.079944	50	1.860102	80	1.922734	100	2.188547
Aniline	5	2.315676	10	2.493272	20	2.46413	50	2.229163	80	2.383324	100	2.610156
Anthracene	5	1.227242	10	1.303947	20	1.22825	50	1.168241	80	1.207773	100	1.328128
Benzidine	5	0.5091993	10	0.5773081	20	0.5797904	50	0.4671651	80	0.4268974	100	
Benzo(a)anthracene	5	1.273095	10	1.345171	20	1.294436	50	1.276921	80	1.341707	100	1.49563
Benzo(a)pyrene	5	0.9860278	10	1.121871	20	1.108414	50	1.139965	80	1.232532	100	1.365277
Benzo(b)fluoranthene	5	1.112032	10	1.206506	20	1.154639	50	1.200895	80	1.300752	100	1.459693
Benzo(g,h,i)perylene	5	1.049471	10	1.13319	20	1.112451	50	1.08355	80	1.147337	100	1.320981
Benzo(k)fluoranthene	5	1.008207	10	1.233704	20	1.206057	50	1.227662	80	1.290631	100	1.438111
Benzoic Acid	5		10	0.1600469	20	0.1687084	50	0.1879031	80	0.214206	100	0.2565505
Bis(2-chloroethoxy)methane	5	0.4451729	10	0.4575555	20	0.4331134	50	0.4120559	80	0.4181029	100	0.4721129
Bis(2-chloroethyl)ether	5	1.020769	10	1.05449	20	1.02121	50	0.9527834	80	0.9621523	100	1.093662
2,2'-oxybis(1-Chloropropane)	5	1.695359	10	1.744571	20	1.63952	50	1.523713	80	1.554332	100	1.764351
Bis(2-Ethylhexyl)phthalate	5	0.499461	10	0.584435	20	0.6085261	50	0.7521834	80	0.6513781	100	0.7097139
4-Bromophenylphenylether	5	0.193952	10	0.2136713	20	0.2025701	50	0.2039043	80	0.2136581	100	0.2421785
Butylbenzylphthalate	5	0.4689866	10	0.5127762	20	0.509299	50	0.5707425	80	0.5298523	100	0.5837077
Carbazole	5	1.11529	10	1.177145	20	1.158496	50	1.09461	80	1.152228	100	1.286251
4-Chloroaniline	5	0.4421204	10	0.4959108	20	0.478498	50	0.444984	80	0.4627933	100	0.5132213
4-Chloro-3-methylphenol	5	0.2865146	10	0.3127437	20	0.3078064	50	0.2911689	80	0.3151999	100	0.3611059
2-Chloronaphthalene	5	1.407804	10	1.491318	20	1.40893	50	1.27612	80	1.40897	100	1.517604
2-Chlorophenol	5	1.436072	10	1.554859	20	1.52514	50	1.44277	80	1.541841	100	1.754243
4-Chlorophenylphenylether	5	0.6004511	10	0.5939274	20	0.5799868	50	0.5673614	80	0.5791428	100	0.6408027
Chrysene	5	1.256429	10	1.340136	20	1.283825	50	1.227375	80	1.308747	100	1.438359

6 - FORM VI
INITIAL CALIBRATION DATA SHEET

SW-846 8270E

Client: NYDEC HRP Associates - Clifton Park, NY SDG: 25K1216

Project: City of Corning Fire Dept - CO 153522

Calibration: 2500833 Instrument: GCMSSV2

Calibration Date: 10/24/2025 12:00:47AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
Dibenz(a,h)anthracene	5	0.9645117	10	1.034718	20	1.02551	50	1.049932	80	1.137135	100	1.288216
Dibenzofuran	5	1.698854	10	1.74217	20	1.63741	50	1.54476	80	1.614507	100	1.768262
Di-n-butylphthalate	5	0.9778051	10	1.083213	20	1.110388	50	1.197228	80	1.114982	100	1.242406
1,2-Dichlorobenzene	5	1.544756	10	1.573439	20	1.510667	50	1.462011	80	1.522718	100	1.750765
1,3-Dichlorobenzene	5	1.645667	10	1.624998	20	1.611915	50	1.507057	80	1.560813	100	1.780347
1,4-Dichlorobenzene	5	1.665655	10	1.707341	20	1.609077	50	1.550589	80	1.607365	100	1.820449
3,3-Dichlorobenzidine	5	0.3453931	10	0.3947557	20	0.4154251	50	0.4176448	80	0.4394201	100	0.4876775
2,4-Dichlorophenol	5	0.265633	10	0.2958694	20	0.2916236	50	0.283242	80	0.3085406	100	0.3472457
Diethylphthalate	5	1.189056	10	1.251153	20	1.180519	50	1.149576	80	1.133028	100	1.217339
2,4-Dimethylphenol	5	0.313397	10	0.3201284	20	0.2999648	50	0.2956361	80	0.3104086	100	0.3508925
Dimethylphthalate	5	1.261727	10	1.296679	20	1.247793	50	1.189513	80	1.227629	100	1.321584
4,6-Dinitro-2-methylphenol			10	0.093836	20	0.1130302	50	0.1327891	80	0.1554132	100	0.1757676
2,4-Dinitrophenol			10	8.658489E-02	20	0.1100665	50	0.1419796	80	0.1810458	100	0.199487
2,4-Dinitrotoluene	5	0.330822	10	0.3699648	20	0.3804946	50	0.3777146	80	0.4061086	100	0.4304556
2,6-Dinitrotoluene	5	0.2355649	10	0.2798377	20	0.2802176	50	0.280081	80	0.2979121	100	0.3287296
Di-n-octylphthalate			10	0.696383	20	0.7842267	50	1.131827	80	1.011012	100	1.113181
1,2-Diphenylhydrazine/Azobenz	5	0.8608673	10	0.9059331	20	0.8285213	50	0.7788746	80	0.7751617	100	0.8601983
Fluoranthene	5	1.114346	10	1.191463	20	1.199041	50	1.197766	80	1.259599	100	1.427001
Fluorene	5	1.389821	10	1.434149	20	1.389637	50	1.317528	80	1.375004	100	1.483823
Hexachlorobenzene	5	0.220127	10	0.2333584	20	0.226897	50	0.2251531	80	0.2416343	100	0.2717454
Hexachlorobutadiene	5	0.1571668	10	0.1651713	20	0.1553641	50	0.1588435	80	0.1650846	100	0.1834154
Hexachlorocyclopentadiene	5	0.242746	10	0.2841808	20	0.2889722	50	0.3158888	80	0.341801	100	0.3808087
Hexachloroethane	5	0.6203175	10	0.6492861	20	0.6224267	50	0.606105	80	0.6248625	100	0.7134811
Indeno(1,2,3-cd)pyrene	5	0.9031446	10	0.9976068	20	0.9645365	50	0.9857344	80	1.072878	100	1.223671
Isophorone	5	0.6553067	10	0.7095483	20	0.6549648	50	0.6296749	80	0.6411749	100	0.7181848
1-Methylnaphthalene	5	0.7026197	10	0.7270437	20	0.6775965	50	0.6365742	80	0.6790963	100	0.7728031
2-Methylnaphthalene	5	0.7356071	10	0.7770109	20	0.7288925	50	0.6847517	80	0.7192871	100	0.8094476
2-Methylphenol	5	1.380272	10	1.413483	20	1.370056	50	1.29029	80	1.409789	100	1.581492
3/4-Methylphenol	10	1.604095	20	1.642241	40	1.636276	100	1.47219	160	1.548848	200	1.730386
Naphthalene	5	1.113279	10	1.143984	20	1.051762	50	0.9890544	80	1.042137	100	1.160871

6 - FORM VI
INITIAL CALIBRATION DATA SHEET

SW-846 8270E

Client: NYDEC HRP Associates - Clifton Park, NY SDG: 25K1216

Project: City of Corning Fire Dept - CO 153522

Calibration: 2500833 Instrument: GCMSSV2

Calibration Date: 10/24/2025 12:00:47AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
2-Nitroaniline	5	0.3251753	10	0.3584756	20	0.3639928	50	0.3406498	80	0.3726247	100	0.4025075
3-Nitroaniline	5	0.3007473	10	0.3618638	20	0.3630125	50	0.3482835	80	0.3642183	100	0.3874894
4-Nitroaniline	5	0.3422995	10	0.3905407	20	0.3802223	50	0.3704846	80	0.4054228	100	0.4384943
Nitrobenzene	5	0.4020223	10	0.418855	20	0.3938751	50	0.3634783	80	0.3857815	100	0.4286153
2-Nitrophenol	5	0.1677463	10	0.1826668	20	0.1873361	50	0.1863143	80	0.2064189	100	0.2300186
4-Nitrophenol	5	0.1161866	10	0.141844	20	0.150967	50	0.1478709	80	0.166266	100	0.1791611
N-Nitrosodimethylamine	5	0.746352	10	0.7430109	20	0.6945727	50	0.6394413	80	0.6762854	100	0.7459505
N-Nitrosodiphenylamine/Diphen	4.275	0.6608749	8.55	0.7100644	17.1	0.681621	42.75	0.6419732	68.4	0.673458	85.5	0.7460464
N-Nitrosodi-n-propylamine	5	1.099748	10	1.127783	20	1.085745	50	0.9675891	80	0.996397	100	1.123803
Pentachloronitrobenzene	5	3.286041E-02	10	3.773839E-02	20	3.891442E-02	50	4.113394E-02	80	0.0431181	100	4.849397E-02
Pentachlorophenol			10	0.1207782	20	0.1345488	50	0.1500546	80	0.1676134	100	0.1957515
Phenanthrene	5	1.221048	10	1.293555	20	1.206219	50	1.112951	80	1.178203	100	1.280431
Phenol	5	1.942014	10	2.012993	20	2.033406	50	1.868122	80	1.994277	100	2.221164
Pyrene	5	1.542278	10	1.601717	20	1.440409	50	1.317903	80	1.340131	100	1.487276
Pyridine	5	1.643862	10	1.634048	20	1.694978	50	1.571122	80	1.668274	100	1.852779
1,2,4,5-Tetrachlorobenzene	5	0.5408541	10	0.5536381	20	0.5419455	50	0.5289067	80	0.5624545	100	0.6235576
1,2,4-Trichlorobenzene	5	0.3214444	10	0.3240795	20	0.308851	50	0.3002472	80	0.3183171	100	0.3593143
2,4,5-Trichlorophenol	5	0.3402127	10	0.3885385	20	0.3758382	50	0.3770657	80	0.4015365	100	0.4501207
2,4,6-Trichlorophenol	5	0.3209403	10	0.3673774	20	0.360943	50	0.3564486	80	0.3844222	100	0.427761
2-Fluorophenol	10	1.028264	20	1.079138	40	1.068169	100	1.002212	160	1.075807	200	1.228277
Phenol-d6	10	1.715555	20	1.837439	40	1.811572	100	1.669536	160	1.769402	200	1.999543
Nitrobenzene-d5	5	0.3768395	10	0.4040857	20	0.3880241	50	0.3628336	80	0.3834749	100	0.4266115
2-Fluorobiphenyl	5	1.261788	10	1.346732	20	1.280361	50	1.219031	80	1.273011	100	1.396246
2,4,6-Tribromophenol	10	0.1308557	20	0.1537952	40	0.1582036	100	0.1685161	160	0.1833422	200	0.2013775
p-Terphenyl-d14	5	0.8054651	10	0.8483758	20	0.7946964	50	0.7882346	80	0.772249	100	0.8569812

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8270E

Client: NYDEC HRP Associates - Clifton Park, NY SDG: 25K1216

Project: City of Corning Fire Dept - CO 153522

Calibration: 2500833 Instrument: GCMSSV2

Calibration Date: 10/24/2025 12:00:47AM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
2,3,4,6-Tetrachlorophenol												
Atrazine												
Benzaldehyde												
Biphenyl	120	1.518919	2	1.448346								
Caprolactam												
Acenaphthene	120	1.32484	2	1.16632			1	1.395562				
Acenaphthylene	120	1.970316	2	1.730816			1	2.066729				
Acetophenone	120	2.136983										
Aniline	120	2.585645										
Anthracene	120	1.287614	2	1.141052			1	1.355729				
Benzidine			2	0.4038408								
Benzo(a)anthracene	120	1.422087	2	1.237018			1	1.459045				
Benzo(a)pyrene	120	1.337065	2	0.9169048			1	1.027354				
Benzo(b)fluoranthene	120	1.4371	2	0.9754465			1	1.195666				
Benzo(g,h,i)perylene	120	1.267357	2	0.9322043			1	1.063267				
Benzo(k)fluoranthene	120	1.405605	2	1.008914			1	1.142994				
Benzoic Acid												
Bis(2-chloroethoxy)methane	120	0.4497956										
Bis(2-chloroethyl)ether	120	1.079769										
2,2'-oxybis(1-Chloropropane)	120	1.726022										
Bis(2-Ethylhexyl)phthalate	120	0.6967439	2	0.4071155								
4-Bromophenylphenylether	120	0.2318418										
Butylbenzylphthalate	120	0.5737382										
Carbazole	120	1.246471	2	1.032242			1	1.186958				
4-Chloroaniline	120	0.4833052										
4-Chloro-3-methylphenol	120	0.3473233										
2-Chloronaphthalene	120	1.450904										
2-Chlorophenol	120	1.766914										
4-Chlorophenylphenylether	120	0.6264475										
Chrysene	120	1.379335	2	1.233977			1	1.539852				

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8270E

Client: NYDEC HRP Associates - Clifton Park, NY SDG: 25K1216

Project: City of Corning Fire Dept - CO 153522

Calibration: 2500833 Instrument: GCMSSV2

Calibration Date: 10/24/2025 12:00:47AM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
Dibenz(a,h)anthracene	120	1.23786	2	0.8600631			1	0.9765966				
Dibenzofuran	120	1.691583	2	1.639869			1	1.919735				
Di-n-butylphthalate	120	1.213591										
1,2-Dichlorobenzene	120	1.728856										
1,3-Dichlorobenzene	120	1.762846										
1,4-Dichlorobenzene	120	1.809268										
3,3-Dichlorobenzidine	120	0.4393876										
2,4-Dichlorophenol	120	0.3380535										
Diethylphthalate	120	1.213152										
2,4-Dimethylphenol	120	0.3457875										
Dimethylphthalate	120	1.300191	2	1.193278								
4,6-Dinitro-2-methylphenol	120	0.1756364										
2,4-Dinitrophenol	120	0.218673										
2,4-Dinitrotoluene	120	0.4405303										
2,6-Dinitrotoluene	120	0.3245783										
Di-n-octylphthalate	120	1.148385										
1,2-Diphenylhydrazine/Azobenz	120	0.8011161										
Fluoranthene	120	1.389503	2	1.045021			1	1.291852				
Fluorene	120	1.446655	2	1.329403			1	1.521406				
Hexachlorobenzene	120	0.2628841	2	0.2220944								
Hexachlorobutadiene	120	0.1819575	2	0.1437011								
Hexachlorocyclopentadiene	120	0.3725675										
Hexachloroethane	120	0.7062431	2	0.6103998								
Indeno(1,2,3-cd)pyrene	120	1.180456	2	0.8391326			1	0.9418806				
Isophorone	120	0.6997271										
1-Methylnaphthalene	120	0.7474298	2	0.6235262			1	0.7595626				
2-Methylnaphthalene	120	0.7824722	2	0.6859692			1	0.7994168				
2-Methylphenol	120	1.599564										
3/4-Methylphenol	240	1.703288	4	1.432758								
Naphthalene	120	1.125121	2	1.068926			1	1.204957				

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8270E

Client: NYDEC HRP Associates - Clifton Park, NY SDG: 25K1216

Project: City of Corning Fire Dept - CO 153522

Calibration: 2500833 Instrument: GCMSSV2

Calibration Date: 10/24/2025 12:00:47AM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
2-Nitroaniline	120	0.3883644										
3-Nitroaniline	120	0.3785845										
4-Nitroaniline	120	0.4368648										
Nitrobenzene	120	0.4146968										
2-Nitrophenol	120	0.2236726										
4-Nitrophenol	120	0.1809674										
N-Nitrosodimethylamine	120	0.7403601										
N-Nitrosodiphenylamine/Diphen	102.6	0.7132586										
N-Nitrosodi-n-propylamine	120	1.094108										
Pentachloronitrobenzene	120	4.851371E-02										
Pentachlorophenol	120	0.1929354										
Phenanthrene	120	1.242136	2	1.20486			1	1.506556				
Phenol	120	2.260358	2	1.811552								
Pyrene	120	1.437668	2	1.405548			1	1.630494				
Pyridine	120	1.841631										
1,2,4,5-Tetrachlorobenzene	120	0.5922978	2	0.5128015								
1,2,4-Trichlorobenzene	120	0.3477681										
2,4,5-Trichlorophenol	120	0.435209										
2,4,6-Trichlorophenol	120	0.420609										
2-Fluorophenol	240	1.228208			320	1.230307						
Phenol-d6	240	1.984016			320	1.954344						
Nitrobenzene-d5	120	0.4126881			160	0.4300867						
2-Fluorobiphenyl	120	1.332097			160	1.454942						
2,4,6-Tribromophenol	240	0.2039833			320	0.2210989						
p-Terphenyl-d14	120	0.8450927			160	0.9157247						

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Calibration:	2500833	Instrument:	GCMSSV2
		Calibration Date:	10/24/2025 12:00:47AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
2,3,4,6-Tetrachlorophenol	0.2580526	5.4			20	
Atrazine	0.3130468	6.7			20	
Benzaldehyde	1.330872	8.9			20	
Biphenyl	1.495152	4.4			20	
Caprolactam	0.1225767	4.3			20	
Acenaphthene	1.283793	6.1			20	
Acenaphthylene	1.914559	6.1			20	
Acetophenone	2.06238	6.0			20	
Aniline	2.440195	5.7			20	
Anthracene	1.249775	5.9			20	
Benzidine	0.4940335	15.1			20	
Benzo(a)anthracene	1.349457	6.7			20	
Benzo(a)pyrene	1.137268	13.4			20	
Benzo(b)fluoranthene	1.22697	12.5			20	
Benzo(g,h,i)perylene	1.123312	10.3			20	
Benzo(k)fluoranthene	1.217987	12.4			20	
Benzoic Acid	0.197483	19.8			20	
Bis(2-chloroethoxy)methane	0.4411299	4.9			20	
Bis(2-chloroethyl)ether	1.026405	5.3			20	
2,2'-oxybis(1-Chloropropane)	1.663981	5.7			20	
Bis(2-Ethylhexyl)phthalate	0.6136946	18.8			20	
4-Bromophenylphenylether	0.2145394	7.9			20	
Butylbenzylphthalate	0.5355861	7.9			20	
Carbazole	1.161077	6.6			20	
4-Chloroaniline	0.4744047	5.5			20	
4-Chloro-3-methylphenol	0.317409	8.7			20	
2-Chloronaphthalene	1.423093	5.5			20	
2-Chlorophenol	1.574548	8.6			20	
4-Chlorophenylphenylether	0.5983028	4.5			20	
Chrysene	1.334226	7.8			20	
Dibenz(a,h)anthracene	1.063838	12.8			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Calibration:	2500833	Instrument:	GCMSSV2
		Calibration Date:	10/24/2025 12:00:47AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Dibenzofuran	1.695239	6.4			20	
Di-n-butylphthalate	1.13423	8.0			20	
1,2-Dichlorobenzene	1.584745	7.0			20	
1,3-Dichlorobenzene	1.641949	6.1			20	
1,4-Dichlorobenzene	1.681392	6.2			20	
3,3-Dichlorobenzidine	0.4199577	10.5			20	
2,4-Dichlorophenol	0.3043154	9.6			20	
Diethylphthalate	1.190546	3.4			20	
2,4-Dimethylphenol	0.3194593	6.7			20	
Dimethylphthalate	1.254799	3.9			20	
4,6-Dinitro-2-methylphenol	0.1410788	23.9	0.992		0.99	
2,4-Dinitrophenol	0.1563061	33.3			20	*
2,4-Dinitrotoluene	0.3908701	9.7			20	
2,6-Dinitrotoluene	0.2895602	10.9			20	
Di-n-octylphthalate	0.9808358	19.8			20	
1,2-Diphenylhydrazine/Azobenzene	0.8300961	5.8			20	
Fluoranthene	1.235066	9.9			20	
Fluorene	1.409714	4.8			20	
Hexachlorobenzene	0.2379867	8.2			20	
Hexachlorobutadiene	0.163838	8.2			20	
Hexachlorocyclopentadiene	0.3181379	15.8			20	
Hexachloroethane	0.6441402	6.6			20	
Indeno(1,2,3-cd)pyrene	1.012116	12.4			20	
Isophorone	0.6726545	5.3			20	
1-Methylnaphthalene	0.7029169	7.6			20	
2-Methylnaphthalene	0.7469839	6.3			20	
2-Methylphenol	1.434992	7.9			20	
3/4-Methylphenol	1.59626	6.6			20	
Naphthalene	1.10001	6.1			20	
2-Nitroaniline	0.3645414	7.3			20	
3-Nitroaniline	0.3577428	7.9			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Calibration:	2500833	Instrument:	GCMSSV2
		Calibration Date:	10/24/2025 12:00:47AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
4-Nitroaniline	0.3949041	8.9			20	
Nitrobenzene	0.4010463	5.5			20	
2-Nitrophenol	0.1977391	11.6			20	
4-Nitrophenol	0.1547519	14.8			20	
N-Nitrosodimethylamine	0.7122818	6.0			20	
N-Nitrosodiphenylamine/Diphenylamine	0.6896138	5.2			20	
N-Nitrosodi-n-propylamine	1.070739	5.9			20	
Pentachloronitrobenzene	4.153899E-02	13.8			20	
Pentachlorophenol	0.1602803	19.1			20	
Phenanthrene	1.249551	8.8			20	
Phenol	2.017986	7.8			20	
Pyrene	1.467047	7.4			20	
Pyridine	1.700956	6.3			20	
1,2,4,5-Tetrachlorobenzene	0.557057	6.4			20	
1,2,4-Trichlorobenzene	0.3257174	6.4			20	
2,4,5-Trichlorophenol	0.395503	9.5			20	
2,4,6-Trichlorophenol	0.3769288	10.0			20	
2-Fluorophenol	1.117548	8.6			20	
Phenol-d6	1.842676	6.8			20	
Nitrobenzene-d5	0.3980805	6.1			20	
2-Fluorobiphenyl	1.320526	5.9			20	
2,4,6-Tribromophenol	0.1776466	17.0			20	
p-Terphenyl-d14	0.8283524	5.7			20	

INITIAL CALIBRATION STANDARDS

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Sequence:	S128430	Instrument:	GCMSSV2
Calibration:	2500833		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
25J0422	DFTPP Tuning standard - 50ng	S128430-TUN1	B25S297001.D	10/24/25 10:28
25J0519	SEMI BNA curve9- 1.0 ugmL	S128430-CALB	B25S297006.D	10/24/25 12:36
25J0518	SEMI BNA curve8- 2.0 ugmL	S128430-CAL8	B25S297007.D	10/24/25 13:01
25J0511	SEMI BNA curve#1- 5 ugmL	S128430-CAL1	B25S297008.D	10/24/25 13:25
25J0512	SEMI BNA curve#2- 10 ugmL	S128430-CAL2	B25S297009.D	10/24/25 13:50
25J0513	SEMI BNA curve#3- 20 ugmL	S128430-CAL3	B25S297010.D	10/24/25 14:15
25J0514	SEMI BNA curve#4- 50 ugmL	S128430-CAL4	B25S297011.D	10/24/25 14:39
25J0515	SEMI BNA curve5- 80 ugmL	S128430-CAL5	B25S297012.D	10/24/25 15:04
25J0516	SEMI BNA curve6- 100 ugmL	S128430-CAL6	B25S297013.D	10/24/25 15:28
25J0517	SEMI BNA curve7- 120 ugmL	S128430-CAL7	B25S297014.D	10/24/25 15:53
25J0509	SEMI BNA Calibration Std-160ug/ml- DEF	S128430-CALA	B25S297015.D	10/24/25 16:17
25J0511	SEMI BNA curve#1- 5 ugmL	S128430-CAL1	B25S297017.D	10/24/25 17:06
25J0512	SEMI BNA curve#2- 10 ugmL	S128430-CAL2	B25S297018.D	10/24/25 17:31
25J0513	SEMI BNA curve#3- 20 ugmL	S128430-CAL3	B25S297019.D	10/24/25 17:55
25J0514	SEMI BNA curve#4- 50 ugmL	S128430-CAL4	B25S297020.D	10/24/25 18:19
25J0515	SEMI BNA curve5- 80 ugmL	S128430-CAL5	B25S297021.D	10/24/25 18:44
25J0516	SEMI BNA curve6- 100 ugmL	S128430-CAL6	B25S297022.D	10/24/25 19:08

Injection Log

C:\msdchem\1\data\B102425\

Date	Filename	Lab ID	Sample Info
24 Oct 2025 10:28 am	B25S297001.D	DFTPP 50ng 25j0422	f1659 102225.U
24 Oct 2025 10:54 am	B25S297002.D	50TEST	
24 Oct 2025 11:18 am	B25S297003.D	STD1.0 TEST	
24 Oct 2025 11:43 am	B25S297004.D	BLANK	
24 Oct 2025 12:08 pm	B25S297005.D	8270std 1.0 ppm 25J0519	
24 Oct 2025 12:36 pm	B25S297006.D	8270std 1.0 ppm 25J0519 reprp	
24 Oct 2025 1:01 pm	B25S297007.D	8270std 2 ppm 25J0518	
24 Oct 2025 1:25 pm	B25S297008.D	8270std 5 ppm 25J0511	
24 Oct 2025 1:50 pm	B25S297009C.D	8270std 10 ppm 25J0512	LRCHK
24 Oct 2025 1:50 pm	B25S297009.D	8270std 10 ppm 25J0512	
24 Oct 2025 2:15 pm	B25S297010.D	8270std 20 ppm 25J0513	
24 Oct 2025 2:39 pm	B25S297011C.D	8270std 50 ppm 25J0514	LRCHK
24 Oct 2025 2:39 pm	B25S297011.D	8270std 50 ppm 25J0514	
24 Oct 2025 3:04 pm	B25S297012.D	8270std 80 ppm 25J0515	
24 Oct 2025 3:28 pm	B25S297013.D	8270std 100 ppm 25J0516	
24 Oct 2025 3:53 pm	B25S297014.D	8270std 120ppm 25J0517	
24 Oct 2025 4:17 pm	B25S297015.D	8270std 160ppm 25J0509	
24 Oct 2025 4:42 pm	B25S297016.D	8270ICV 50ppm 25J0520	
24 Oct 2025 5:06 pm	B25S297017.D	NCExtras 5 ppm 25F0299	
24 Oct 2025 5:31 pm	B25S297018.D	NCExtras 10 ppm 25F0300	
24 Oct 2025 5:55 pm	B25S297019.D	NCExtras 20 ppm 25F0301	
24 Oct 2025 6:19 pm	B25S297020.D	NCExtras 50 ppm 25F0302	
24 Oct 2025 6:44 pm	B25S297021.D	NCExtras 80 ppm 25F0303	
24 Oct 2025 7:08 pm	B25S297022.D	NCExtras 100 ppm 25F0304	
24 Oct 2025 7:33 pm	B25S297023.D	8270ICV 50ppm 25J0520	
3 Nov 2025 2:16 pm	B25S297024.D	tuntest	

Response Factor Report GCMSSV2

Method Path : C:\MSDCHEM\1\METHODS\
Method File : BN210245.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Nov 17 11:48:07 2025
Response Via : Initial Calibration

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Calibration Files
2 =B25S297007.D 5 =B25S297008.D 10 =B25S297009.D 20 =B25S297010.D 50 =B25S297011.D 80 =B25S297012.D
100 =B25S297013.D 120 =B25S297014.D 160 =B25S297015.D 1 =B25S297006.D

		Compound	2	5	10	20	50	80	100	120	160	1	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------										1.118	8.57
2)	S	2-Fluorophenol		1.028	1.079	1.068	1.002	1.076	1.228	1.228	1.230		1.843	6.79
3)	S	Phenol-d6		1.716	1.837	1.812	1.670	1.769	2.000	1.984	1.954		0.712	6.00
4)	T	N-Nitrosodimet...		0.746	0.743	0.695	0.639	0.676	0.746	0.740			1.701	6.28
5)	T	Pyridine		1.644	1.634	1.695	1.571	1.668	1.853	1.842			2.440	5.72
6)	T	Aniline		2.316	2.493	2.464	2.229	2.383	2.610	2.586			2.018	7.76
7)	T	Phenol	1.812	1.942	2.013	2.033	1.868	1.994	2.221	2.260			1.026	5.30
8)	T	Bis(2-chloroet...		1.021	1.054	1.021	0.953	0.962	1.094	1.080			1.575	8.59
9)	T	2-Chlorophenol		1.436	1.555	1.525	1.443	1.542	1.754	1.767			1.642	6.08
10)	T	1,3-Dichlorobe...		1.646	1.625	1.612	1.507	1.561	1.780	1.763			1.681	6.16
11)	T	1,4-Dichlorobe...		1.666	1.707	1.609	1.551	1.607	1.820	1.809			1.585	7.03
12)	T	1,2-Dichlorobe...		1.545	1.573	1.511	1.462	1.523	1.751	1.729			1.435	7.94
13)	T	2- METHYLPHENOL		1.380	1.413	1.370	1.290	1.410	1.581	1.600			1.664	5.69
14)	T	2,2'-oxybis(1-...		1.695	1.745	1.640	1.524	1.554	1.764	1.726			2.062	5.96
15)	T	Acetophenone		2.104	2.145	2.080	1.860	1.923	2.189	2.137			1.596	6.60
16)	T	3/4- METHYLPHENOL	1.433	1.604	1.642	1.636	1.472	1.549	1.730	1.703			1.071	5.89
17)	T	N-Nitroso-Di-N...		1.100	1.128	1.086	0.968	0.996	1.124	1.094			0.644	6.61
18)	T	Hexachloroethane	0.610	0.620	0.649	0.622	0.606	0.625	0.713	0.706				
19)	I	NAPHTHALENE-d8	----------ISTD----------										0.398	6.08
20)	S	Nitrobenzene-d5		0.377	0.404	0.388	0.363	0.383	0.427	0.413	0.430		0.401	5.54
21)	T	NITROBENZENE		0.402	0.419	0.394	0.363	0.386	0.429	0.415			0.673	5.30
22)	T	Isophorone		0.655	0.710	0.655	0.630	0.641	0.718	0.700			0.198	11.60
23)	T	2-Nitrophenol		0.168	0.183	0.187	0.186	0.206	0.230	0.224			0.319	6.70
24)	T	2,4-Dimethylph...		0.313	0.320	0.300	0.296	0.310	0.351	0.346			0.441	4.86
25)	T	Bis(2-Chloroet...		0.445	0.458	0.433	0.412	0.418	0.472	0.450			0.197	19.76
26)	T	Benzoic Acid			0.160	0.169	0.188	0.214	0.257				0.304	9.65
27)	T	2,4-Dichloroph...		0.266	0.296	0.292	0.283	0.309	0.347	0.338			0.326	6.42
28)	T	1,2,4-Trichlor...		0.321	0.324	0.309	0.300	0.318	0.359	0.348			1.100	6.13
29)	T	Naphthalene	1.069	1.113	1.144	1.052	0.989	1.042	1.161	1.125		1.205	0.474	5.52
30)	T	4-Chloroaniline		0.442	0.496	0.478	0.445	0.463	0.513	0.483			0.164	8.19
31)	T	Hexachlorobuta...	0.144	0.157	0.165	0.155	0.159	0.165	0.183	0.182			0.317	8.69
32)	T	4-Chloro-3-Met...		0.287	0.313	0.308	0.291	0.315	0.361	0.347			0.747	6.28
33)	T	2-MethylNaphth...	0.686	0.736	0.777	0.729	0.685	0.719	0.809	0.782		0.799	0.703	7.56
34)	T	1-Methylnaphth...	0.624	0.703	0.727	0.678	0.637	0.679	0.773	0.747		0.760		
35)	I	ACENAPHTHENE-D10	----------ISTD----------										1.321	5.88
36)	S	2-Fluorobiphenyl		1.262	1.347	1.280	1.219	1.273	1.396	1.332	1.455			

Method Path : C:\MSDCHEM\1\METHODS\
Method File : BN210245.M
Title : Semivolatiles by GC/MS by modified 8270

37)	S	2,4,6-Tribromo...		0.131	0.154	0.158	0.169	0.183	0.201	0.204	0.221		0.178	17.02
38)	T	Hexachlorocycl...		0.243	0.284	0.289	0.316	0.342	0.381	0.373			0.318	15.79
39)	T	1,2,4,5-Tetrac...	0.513	0.541	0.554	0.542	0.529	0.562	0.624	0.592			0.557	6.42
40)	T	2,4,6-Trichlor...		0.321	0.367	0.361	0.356	0.384	0.428	0.421			0.377	9.96
41)	T	2,4,5-Trichlor...		0.340	0.389	0.376	0.377	0.402	0.450	0.435			0.396	9.48
42)	T	2-ChloroNaphth...		1.408	1.491	1.409	1.276	1.409	1.518	1.451			1.423	5.49
43)	T	2-Nitroaniline		0.325	0.358	0.364	0.341	0.373	0.403	0.388			0.365	7.29
44)	T	1,1-Biphenyl	1.448	1.506	1.572	1.491	1.398	1.439	1.589	1.519			1.495	4.41
45)	T	DIMETHYL PHTHA...	1.193	1.262	1.297	1.248	1.190	1.228	1.322	1.300			1.255	3.95
46)	T	2,6-DinitroTol...		0.236	0.280	0.280	0.280	0.298	0.329	0.325			0.290	10.94
47)	T	Acenaphthylene	1.731	1.841	1.992	1.891	1.796	1.879	2.065	1.970		2.067	1.915	6.12
48)	T	3-Nitroaniline		0.301	0.362	0.363	0.348	0.364	0.387	0.379			0.358	7.86
49)	T	Acenaphthene	1.166	1.254	1.328	1.252	1.198	1.254	1.381	1.325		1.396	1.284	6.13
50)	T	2,4-Dinitrophenol			0.087	0.110	0.142	0.181	0.199	0.219			0.156	33.33
51)	T	4-Nitrophenol		0.116	0.142	0.151	0.148	0.166	0.179	0.181			0.155	14.76
52)	T	Dibenzofuran	1.640	1.699	1.742	1.637	1.545	1.615	1.768	1.692		1.920	1.695	6.38
53)	T	2,4-Dinitrotol...		0.331	0.370	0.380	0.378	0.406	0.430	0.441			0.391	9.68
54)	T	DIETHYL PHTHALATE		1.189	1.251	1.181	1.150	1.133	1.217	1.213			1.191	3.43
55)	T	4-Chlorophenyl...		0.600	0.594	0.580	0.567	0.579	0.641	0.626			0.598	4.47
56)	T	Flourene	1.329	1.390	1.434	1.390	1.318	1.375	1.484	1.447		1.521	1.410	4.82
57)	T	4-Nitroaniline		0.342	0.391	0.380	0.370	0.405	0.438	0.437			0.395	8.87
58)	I	PHENANTHRENE-D10	----------ISTD----------											
59)	T	4,6-Dinitro-2-...			0.094	0.113	0.133	0.155	0.176	0.176			0.141	23.91
60)	T	N-Nitrosodiphe...		0.662	0.711	0.683	0.643	0.675	0.747	0.715			0.691	5.16
61)	T	1,2-Diphenylhy...		0.861	0.906	0.829	0.779	0.775	0.860	0.801			0.830	5.84
62)	T	4-Bromophenyl ...		0.194	0.214	0.203	0.204	0.214	0.242	0.232			0.215	7.95
63)	T	Hexachlorobenzene	0.222	0.220	0.233	0.227	0.225	0.242	0.272	0.263			0.238	8.18
64)	T	Pentachlorophenol			0.121	0.135	0.150	0.168	0.196	0.193			0.160	19.14
65)	T	Pentachloronit...		0.033	0.038	0.039	0.041	0.043	0.048	0.049			0.042	13.77
66)	T	Phenanthrene	1.205	1.221	1.294	1.206	1.113	1.178	1.280	1.242		1.507	1.250	8.83
67)	T	Anthracene	1.141	1.227	1.304	1.228	1.168	1.208	1.328	1.288		1.356	1.250	5.86
68)	T	Carbazole	1.032	1.115	1.177	1.158	1.095	1.152	1.286	1.246		1.187	1.161	6.61
69)	T	Di-N-Butyl Pht...		0.978	1.083	1.110	1.197	1.115	1.242	1.214			1.134	8.05
70)	T	Flouranthene	1.045	1.114	1.191	1.199	1.198	1.260	1.427	1.390		1.292	1.235	9.91
71)	I	CHRYSENE-D12	----------ISTD----------											
72)	S	p-Terphenyl-d14		0.805	0.848	0.795	0.788	0.772	0.857	0.845	0.916		0.828	5.69
73)	T	Benzidine	0.404	0.509	0.577	0.580	0.467	0.427					0.494	15.12
74)	T	Pyrene	1.406	1.542	1.602	1.440	1.318	1.340	1.487	1.438		1.630	1.467	7.41
75)	T	Butylbenzyl ph...		0.469	0.513	0.509	0.571	0.530	0.584	0.574			0.536	7.88
76)	T	3,3'-Dichlorob...		0.345	0.395	0.415	0.418	0.439	0.488	0.439			0.420	10.45
77)	T	Benzo(a)anthra...	1.237	1.273	1.345	1.294	1.277	1.342	1.496	1.422		1.459	1.349	6.70
78)	T	Chrysene	1.234	1.256	1.340	1.284	1.227	1.309	1.438	1.379		1.540	1.334	7.77
79)	T	Bis(2-ethylhex...	0.407	0.499	0.584	0.609	0.752	0.651	0.710	0.697			0.614	18.81
80)	I	PERYLENE-D12	----------ISTD----------											
81)	T	Di-n-octylphth...			0.696	0.784	1.132	1.011	1.113	1.148			0.981	19.82

198.221
169.23
0.8537

V-04

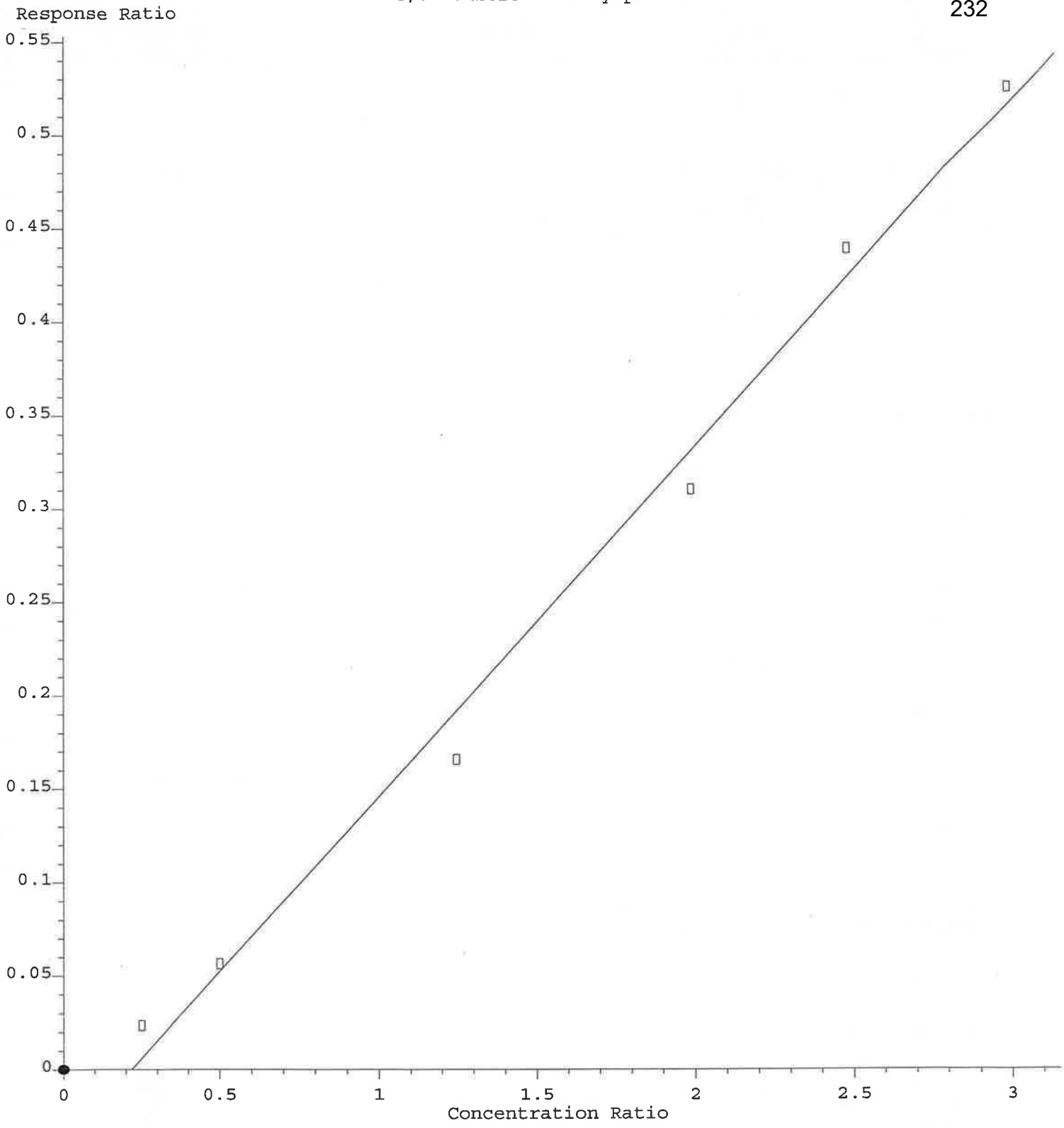
-.992

Method Path : C:\MSDCHEM\1\METHODS\
Method File : BN210245.M
Title : Semivolatiles by GC/MS by modified 8270

82)	T	Benzo(b)fluora...	0.975	1.112	1.207	1.155	1.201	1.301	1.460	1.437	1.196	1.227	12.48
83)	T	Benzo(k)fluora...	1.009	1.008	1.234	1.206	1.228	1.291	1.438	1.406	1.143	1.218	12.41
84)	T	Benzo(a)pyrene	0.917	0.986	1.122	1.108	1.140	1.233	1.365	1.337	1.027	1.137	13.39
85)	T	Indeno(1,2,3-c...	0.839	0.903	0.998	0.965	0.986	1.073	1.224	1.180	0.942	1.012	12.43
86)	T	Dibenz(a,h)ant...	0.860	0.965	1.035	1.026	1.050	1.137	1.288	1.238	0.977	1.064	12.76
87)	T	Benzo(g,h,i)pe...	0.932	1.049	1.133	1.112	1.084	1.147	1.321	1.267	1.063	1.123	10.33
88)	I	1,4-Dichlorobenzen...	----------ISTD----------										
89)		1,4-Dioxane	0.768	0.690	0.760	0.635	0.598	0.623				0.679	10.65
90)		Benzaldehyde	1.390	1.292	1.543	1.283	1.224	1.253				1.331	8.89
91)		Benzyl Alcohol	0.843	0.905	1.078	0.944	0.944	0.999				0.952	8.44
92)	I	NAPHTHALENE-d8 (2)	----------ISTD----------										
93)		2,6-Dichloroph...	0.326	0.324	0.362	0.317	0.309	0.324				0.327	5.54
94)		Caprolactam	0.120	0.118	0.131	0.128	0.118	0.121				0.123	4.34
95)	I	ACENAPHTHENE-D10 (2)	----------ISTD----------										
96)		2,3,4,6-Tetrac...	0.256	0.241	0.282	0.256	0.250	0.262				0.258	5.37
97)		Atrazine	0.331	0.308	0.344	0.308	0.285	0.302				0.313	6.73

(#) = Out of Range

4,6-Dinitro-2-Methylphenol



Response = 1.859e-001 * Amt - 4.050e-002
Coef of Det (r^2) = 0.992 Curve Fit: Linear
Method Name: C:\MSDCHEM\1\METHODS\BN210245.M
Calibration Table Last Updated: Mon Nov 17 11:48:07 2025

GC/MS QA-QC Check Report

Tune File : C:\msdchem\1\data\B102425\B25S297001.D
Tune Time : 24 Oct 2025 10:28 am

Daily Calibration File : C:\msdchem\1\data\B102425\B25S297011.D

	2-FLUPH-D6	NITRO2-FLU	1,4-D	NAP-D	ACE-D
			68730	277939	156569
	2,4,6TERP-		PHEN-	CHRY-	PERY-
			252852	243698	256883

File	Sample		Surrogate Recovery %				Internal Standard Responses		
B25S297006.D									
	8270std 1.		1*	1*	1*	1*	51711	205750	113474
			1*	1*			187235	150482	167070
B25S297007.D									
	8270std	2	2*	2*	2*	2*	60059	243422	135023
			1*	2*			219096	171008	188242
B25S297008.D									
	8270std	5	5*	5*	5*	5*	57635	230634	130342
			4*	5*			211805	165122	181074
B25S297009.D									
	8270std	1	10*	10*	10*	10*	58341	231832	129861
			9*	10*			207852	164446	176334
B25S297010.D									
	8270std	2	20*	22*	21*	19*	64120	264231	146893
			18*	18*			234309	209217	235284
B25S297011.D									
	8270std	5	46	49	48	46	68730	277939	156569
			46	45			252852	243698	256883
B25S297012.D									
	8270std	8	79	82	80	76	62725	255357	144353
			80	71			231840	233617	253232
B25S297013.D									
	8270std	1	113	116	111	105	54291	226173	132560
			109	99			205906	210996	229246
B25S297014.D									
	8270std	1	134*	134*	127	121	52447	224851	133676
			135*	121			216468	222361	226415
B25S297015.D									
	8270std	1	177*	173*	175*	178*	50023	207836	115480
			198*	177*			184574	192426	197909
B25S297016.D									
	8270ICV	5	0*	0*	0*	0*	73425	283019	154952
			0*	0*			255270	241240	264313
B25S297023.D									
	8270ICV	5	0*	0*	0*	0*	62455	255536	146203
			0*	0*			233458	202012	220250

(fails) - fails 12hr time check * - fails criteria

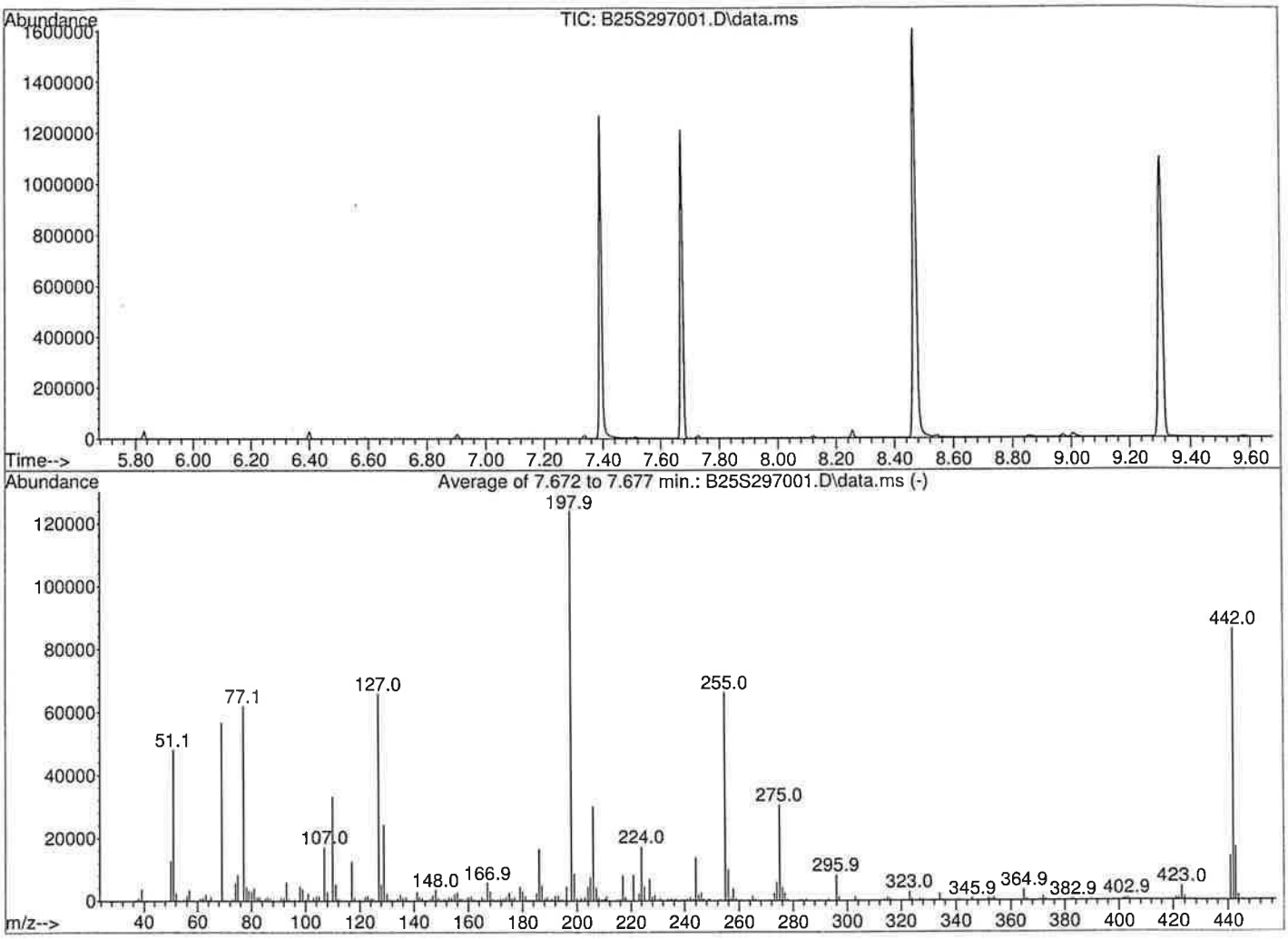
Created: Tue Nov 04 12:22:32 2025 GCMSSV2

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297001.D
Acq On : 24 Oct 2025 10:28 am
Operator : BGL
Sample : DFTPP 50ng 25j0422 f1659 102225.U
Misc :
ALS Vial : 1 Sample Multiplier: 1

Reviewed By:
Christian Merchant NOV 19 2025

Integration File: rteint.p

Method : C:\msdchem\1\methods\DFTPPE.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Fri Aug 22 13:07:04 2025



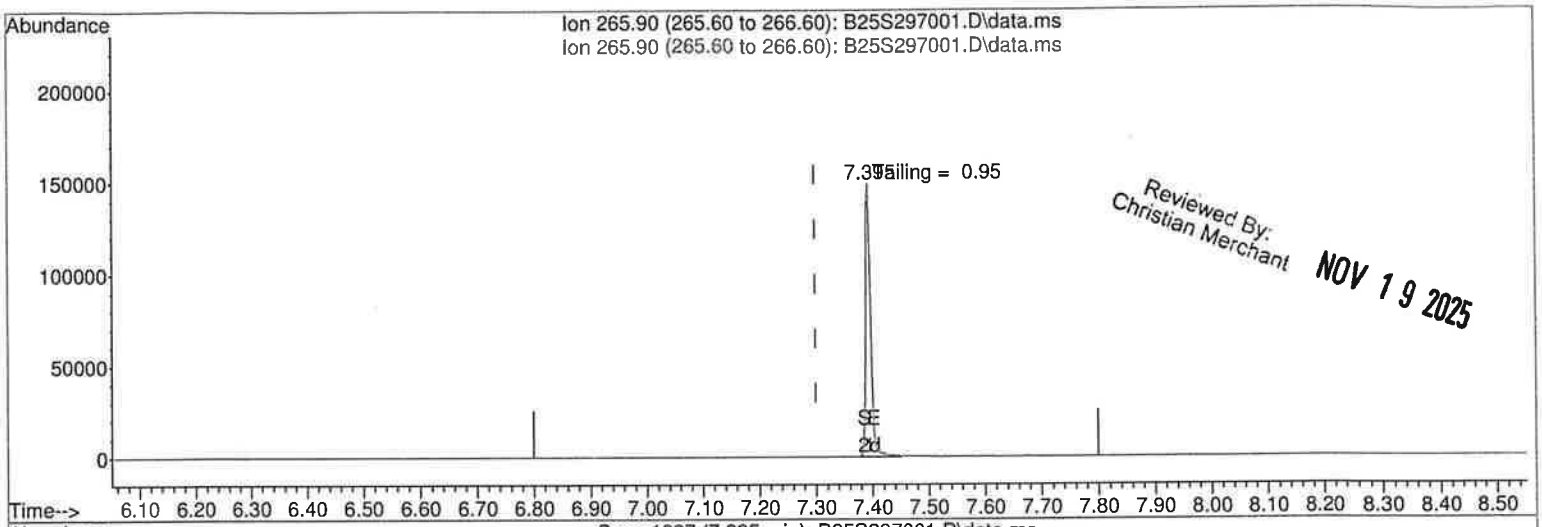
AutoFind: Scans 2095, 2096, 2097; Background Corrected with Scan 2088

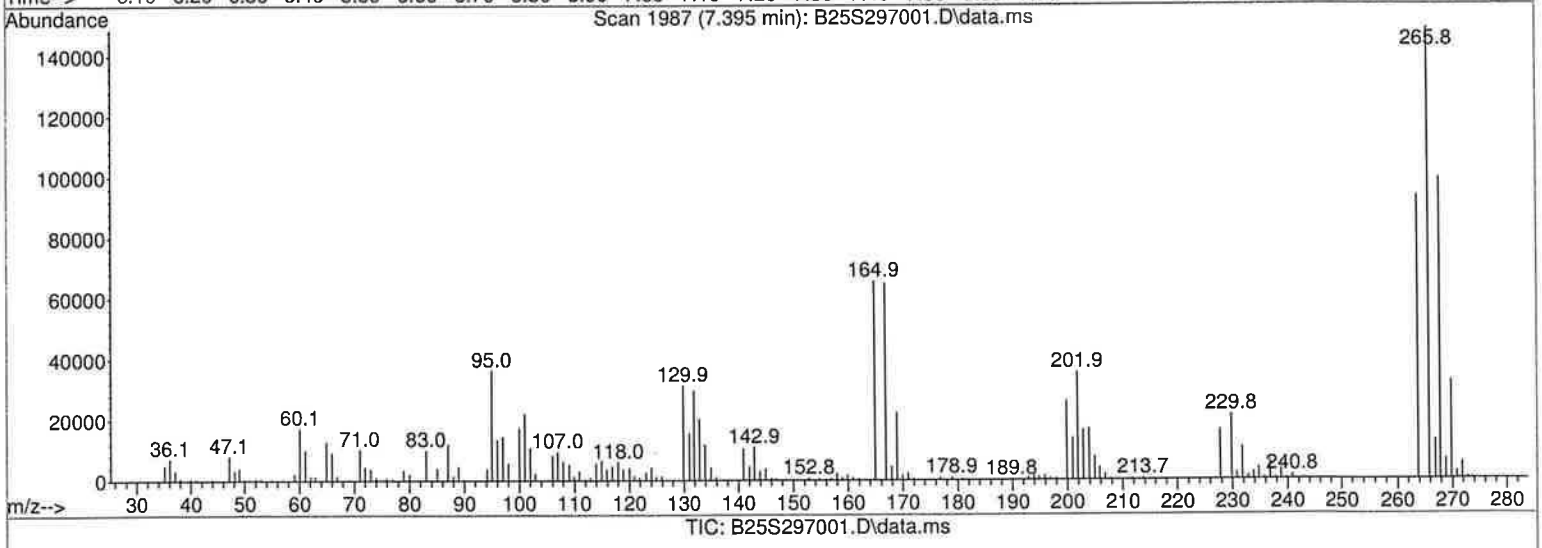
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	56621	PASS
70	69	0.00	2	0.4	254	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	123901	PASS
199	198	5	9	6.8	8466	PASS
365	198	1	100	2.8	3434	PASS
441	443	0.01	150	83.1	14045	PASS
442	198	50	100	69.5	86093	PASS
443	442	15	24	19.6	16893	PASS

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297001.D
Acq On : 24 Oct 2025 10:28 am
Operator : BGL
Sample : DFTPP 50ng 25j0422 f1659 102225.U Inst : GCMSSV2
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 04 12:47:10 2025
Quant Method : C:\msdchem\1\methods\DFTPPE.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 22 13:07:04 2025
Response via : Initial Calibration





TIC: B25S297001.D\data.ms

(1) Pentachlorophenol

7.395min (+ 0.095) 0.00

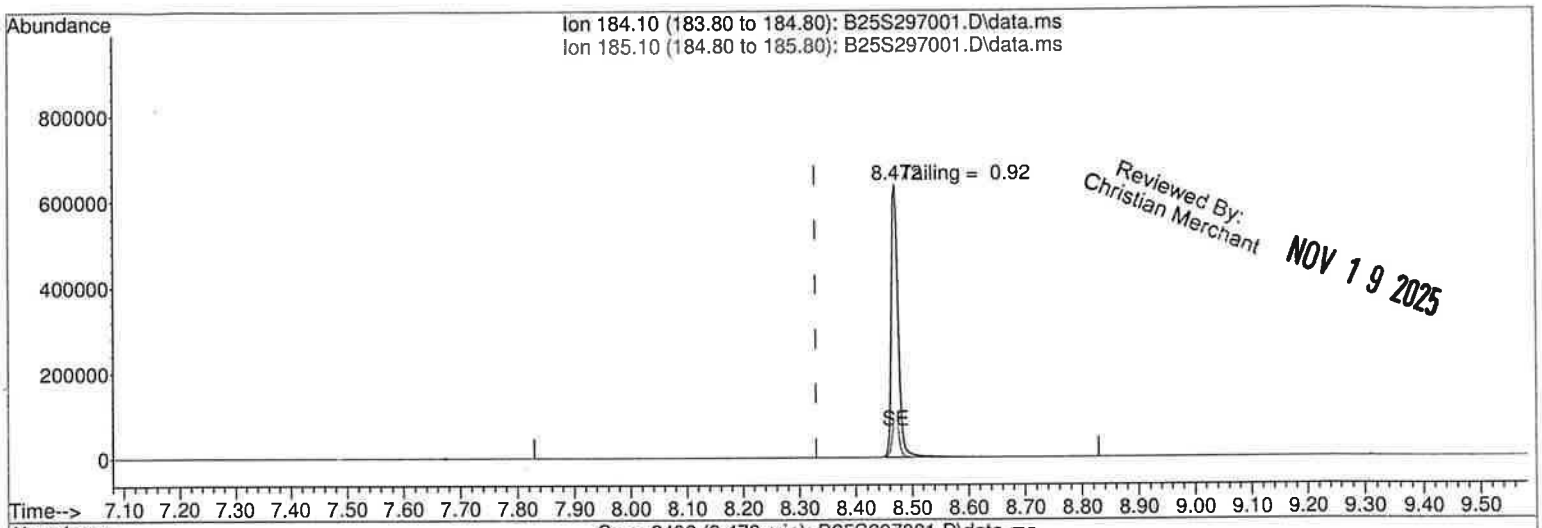
response 92885

Ion	Exp%	Act%
265.90	100.00	100.00
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00

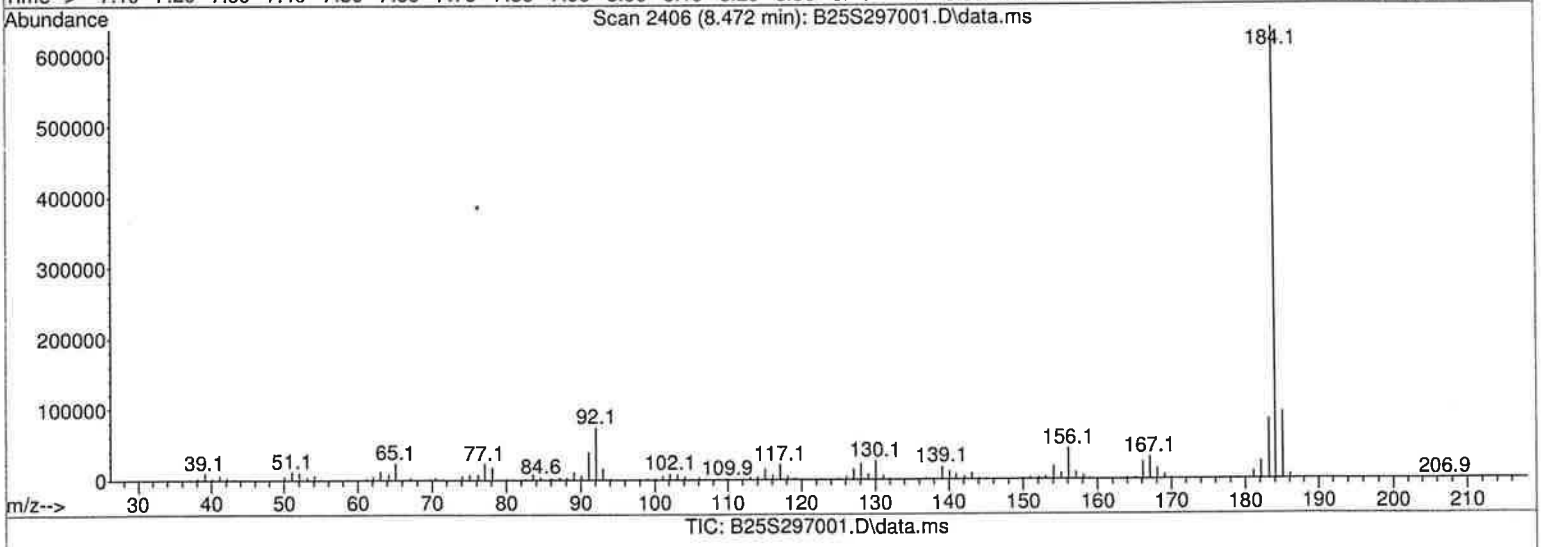
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297001.D
Acq On : 24 Oct 2025 10:28 am
Operator : BGL
Sample : DFTPP 50ng 25j0422 f1659 102225.U Inst : GCMSSV2
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 04 12:47:10 2025
Quant Method : C:\msdchem\1\methods\DFTPPE.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 22 13:07:04 2025
Response via : Initial Calibration



Reviewed By:
Christian Merchant
NOV 19 2025



TIC: B25S297001.D\data.ms

(3) Benzidine

8.472min (+ 0.142) 0.00

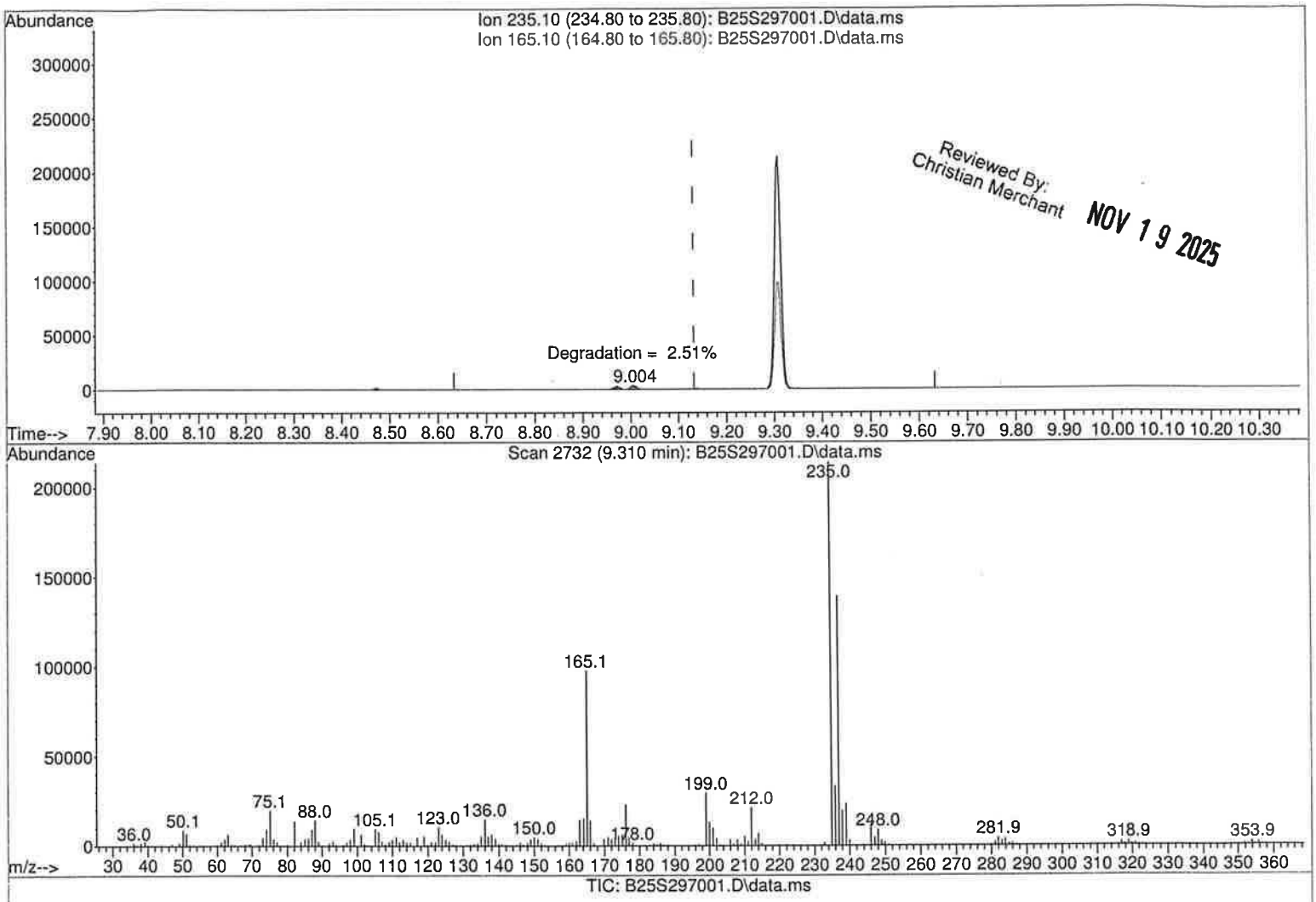
response 541328

Ion	Exp%	Act%
184.10	100.00	100.00
185.10	14.00	14.77
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297001.D
Acq On : 24 Oct 2025 10:28 am
Operator : BGL
Sample : DFTPP 50ng 25j0422 f1659 102225.U Inst : GCMSSV2
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 04 12:47:10 2025
Quant Method : C:\msdchem\1\methods\DFTPPE.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 22 13:07:04 2025
Response via : Initial Calibration



(4) DDT

9.310min (+ 0.177) 0.00

response 201399

Ion	Exp%	Act%
235.10	100.00	100.00
165.10	46.40	46.42
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297004.D
Acq On : 24 Oct 2025 11:43 am
Operator : BGL
Sample : BLANK Inst : GCMSSV2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 24 11:59:17 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 24 11:38:45 2025
Response via : Initial Calibration

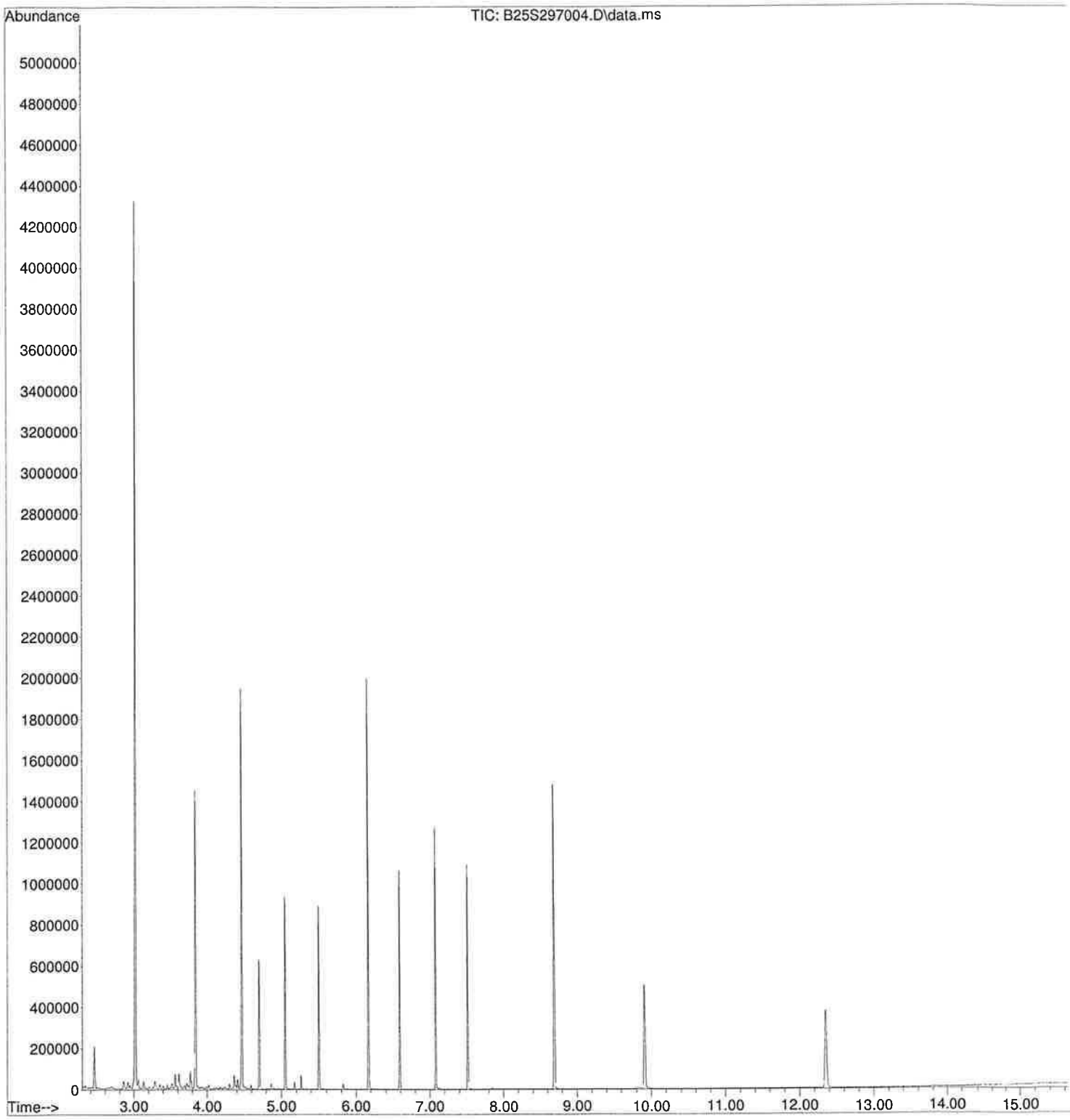
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.705	152	70672	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	5.502	136	284283	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	6.592	164	156337	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	7.513	188	260718	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.912	240	207818	40.00	ug/ml	0.00
80) PERYLENE-D12	12.358	264	218507	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	3.843	112	302553	159.85	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 79.92%			
3) Phenol-d6	4.468	99	518158	178.01	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 89.00%			
20) Nitrobenzene-d5	5.052	82	215681	83.48	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 83.48%			
36) 2-Fluorobiphenyl	6.168	172	401817	76.11	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 76.11%			
37) 2,4,6-Tribromophenol	7.081	330	92684	131.31	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 65.66%			
72) p-Terphenyl-d14	8.693	244	402929	89.41	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 89.41%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297004.D
Acq On : 24 Oct 2025 11:43 am
Operator : BGL
Sample : BLANK Inst : GCMSSV2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 24 11:59:17 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 24 11:38:45 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297006.D
Acq On : 24 Oct 2025 12:36 pm
Operator : BGL
Sample : 8270std 1.0 ppm 25J0519 reprp Inst : GCMSSV2
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 04 13:11:38 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 11:46:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.704	152	51711	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	5.502	136	205750	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	6.592	164	113474	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	7.513	188	187235	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.912	240	150482	40.00	ug/ml	0.00
80) PERYLENE-D12	12.360	264	167070	40.00	ug/ml	0.00
88) 1,4-Dichlorobenzene-D4...	0.000	152	0m	40.00	ug/ml	-4.70
92) NAPHTHALENE-d8 (2)	0.000	136	0m	40.00	ug/ml	-5.50
95) ACENAPHTHENE-D10 (2)	0.000	164	0m	40.00	ug/ml	-6.59
System Monitoring Compounds						
2) 2-Fluorophenol	3.843	112	2953	2.04	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 1.02%#			
3) Phenol-d6	4.465	99	4513	1.89	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 0.95%#			
20) Nitrobenzene-d5	5.054	82	2152	1.05	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 1.05%#			
36) 2-Fluorobiphenyl	6.168	172	4142	1.11	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 1.11%#			
37) 2,4,6-Tribromophenol	7.078	330	663	1.32	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 0.66%#			
72) p-Terphenyl-d14	8.690	244	3286	1.05	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 1.05%#			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.789	42	1120	1.22	ug/ml	86
5) Pyridine	2.871	79	1112	0.52	ug/ml	97
6) Aniline	4.491	93	2837	0.90	ug/ml#	91
7) Phenol	4.473	94	2696	1.01	ug/ml	95
8) Bis(2-chloroethyl)ether	4.535	63	1486	1.12	ug/ml	87
9) 2-Chlorophenol	4.568	128	2127	1.04	ug/ml	94
10) 1,3-Dichlorobenzene	4.668	146	2387	1.12	ug/ml	97
11) 1,4-Dichlorobenzene	4.715	146	2432	1.12	ug/ml	95
12) 1,2-Dichlorobenzene	4.812	146	2235	1.09	ug/ml	97
13) 2- METHYLPHENOL	4.856	108	1823	0.98	ug/ml	94
14) 2,2'-oxybis(1-chloropr...	4.892	45	473	0.25	ug/ml#	59
15) Acetophenone	4.956	105	3104	1.16	ug/ml	95
16) 3/4- METHYLPHENOL	4.954	107	4138	2.01	ug/ml	94
17) N-Nitroso-Di-N-Propyla...	4.956	70	1657	1.20	ug/ml	90
18) Hexachloroethane	5.026	117	970	1.16	ug/ml	94
21) NITROBENZENE	5.064	77	2237	1.08	ug/ml	97
22) Isophorone	5.214	82	3528	1.02	ug/ml	99
23) 2-Nitrophenol	5.265	139	837	0.82	ug/ml	99
24) 2,4-Dimethylphenol	5.283	122	1606	0.98	ug/ml	91
25) Bis(2-Chloroethoxy)met...	5.342	93	2404	1.06	ug/ml	91
26) Benzoic Acid	5.322	122	26	N.D.		
27) 2,4-Dichlorophenol	5.412	162	1359	0.87	ug/ml	95
28) 1,2,4-Trichlorobenzene	5.468	180	1787	1.07	ug/ml	93
29) Naphthalene	5.517	128	6198	1.10	ug/ml	99
30) 4-Chloroaniline	5.548	127	2131	0.87	ug/ml	98
31) Hexachlorobutadiene	5.592	225	911	1.08	ug/ml	96
32) 4-Chloro-3-Methylphenol	5.841	107	1559	0.96	ug/ml	94
33) 2-MethylNaphthalene	5.944	142	4112	1.07	ug/ml	97
34) 1-Methylnaphthalene	6.006	142	3907	1.08	ug/ml	99
38) Hexachlorocyclopentadiene	6.044	237	745	0.83	ug/ml	94
39) 1,2,4,5-Tetrachloroben...	6.049	216	1661	1.05	ug/ml	98
40) 2,4,6-Trichlorophenol	6.116	196	921	0.86	ug/ml	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297006.D
Acq On : 24 Oct 2025 12:36 pm
Operator : BGL
Sample : 8270std 1.0 ppm 25J0519 reprp Inst : GCMSSV2
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 04 13:11:38 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 11:46:29 2025
Response via : Initial Calibration

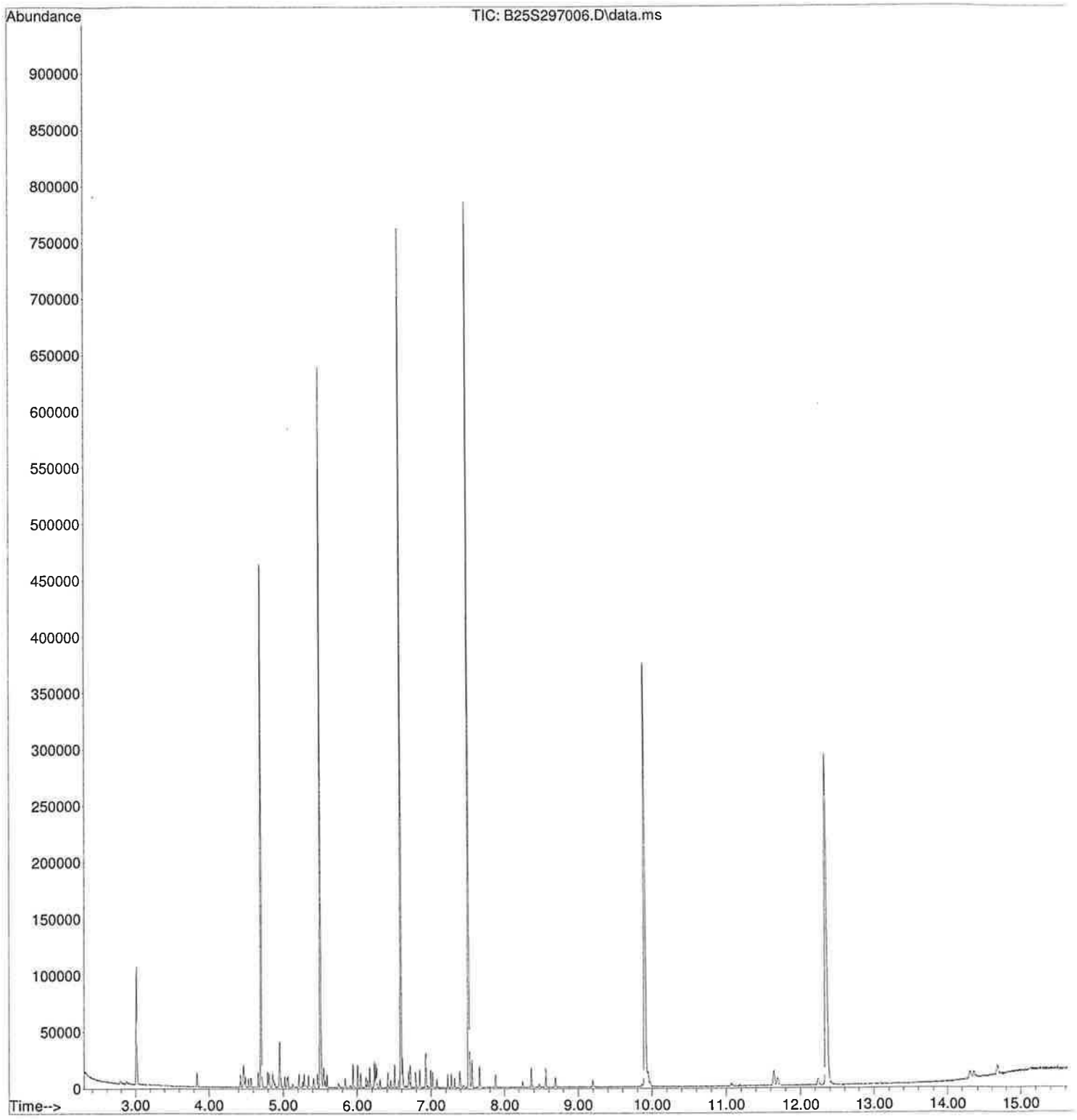
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 2,4,5-Trichlorophenol	6.116	196	921	0.82 ug/ml	88
42) 2-ChloroNaphthalene	6.247	162	4517	1.12 ug/ml	98
43) 2-Nitroaniline	6.307	65	989	0.96 ug/ml#	83
44) 1,1-Biphenyl	6.232	154	4887	1.15 ug/ml	97
45) DIMETHYL PHTHALATE	6.412	163	3795	1.07 ug/ml	98
46) 2,6-DinitroToluene	6.451	165	640	0.78 ug/ml	92
47) Acenaphthylene	6.505	152	5863	1.08 ug/ml	99
48) 3-Nitroaniline	6.559	138	737	0.73 ug/ml	87
49) Acenaphthene	6.613	154	3959	1.09 ug/ml	93
50) 2,4-Dinitrophenol	6.628	184	24	N.D.	
51) 4-Nitrophenol	6.656	109	123	0.28 ug/ml#	1
52) Dibenzofuran	6.718	168	5446	1.13 ug/ml	100
53) 2,4-Dinitrotoluene	6.700	165	839	0.76 ug/ml	85
54) DIETHYL PHTHALATE	6.847	149	3809	1.13 ug/ml	99
55) 4-Chlorophenyl phenyl ...	6.926	204	1958	1.15 ug/ml	96
56) Flourene	6.931	166	4316	1.08 ug/ml	94
57) 4-Nitroaniline	6.937	138	695	0.62 ug/ml#	60
59) 4,6-Dinitro-2-Methylph...	6.955	198	178	6.35 ug/ml#	74
60) N-Nitrosodiphenylamine	6.996	169	2666	0.82 ug/ml	95
61) 1,2-Diphenylhydrazine	7.024	77	4342	1.12 ug/ml	96
62) 4-Bromophenyl phenyl e...	7.230	248	1068	1.06 ug/ml	98
63) Hexachlorobenzene	7.273	284	1199	1.08 ug/ml	89
64) Pentachlorophenol	7.392	266	338	0.45 ug/ml	91
65) Pentachloronitrobenzene	7.399	295	133	0.68 ug/ml#	87
66) Phenanthrene	7.528	178	7052	1.21 ug/ml	97
67) Anthracene	7.559	178	6346	1.08 ug/ml	99
68) Carbazole	7.657	167	5556	1.02 ug/ml	97
69) Di-N-Butyl Phthalate	7.873	149	4725	0.89 ug/ml	97
70) Flouranthene	8.366	202	6047	1.05 ug/ml	96
73) Benzidine	8.467	184	1830	0.98 ug/ml	92
74) Pyrene	8.559	202	6134	1.11 ug/ml	98
75) Butylbenzyl phthalate	9.197	149	1769	0.88 ug/ml	85
76) 3,3'-Dichlorobenzidine	9.868	252	1131	0.72 ug/ml	90
77) Benzo(a)anthracene	9.899	228	5489m	1.09 ug/ml	
78) Chrysene	9.948	228	5793	1.15 ug/ml	100
79) Bis(2-ethylhexyl)phtha...	9.974	149	1846	0.80 ug/ml#	87
81) Di-n-octylphthalate	11.069	149	2325	0.57 ug/ml#	96
82) Benzo(b)fluoranthene	11.645	252	4994	0.97 ug/ml	94
83) Benzo(k)fluoranthene	11.694	252	4774	0.94 ug/ml	93
84) Benzo(a)pyrene	12.239	252	4291	0.90 ug/ml	92
85) Indeno(1,2,3-cd)pyrene	14.304	276	3934	0.93 ug/ml	78
86) Dibenz(a,h)anthracene	14.358	278	4079	0.92 ug/ml	83
87) Benzo(g,h,i)perylene	14.674	276	4441	0.95 ug/ml	87
89) 1,4-Dioxane	0.000		0	N.D. d	
90) Benzaldehyde	0.000		0	N.D. d	
91) Benzyl Alcohol	0.000		0	N.D. d	
93) 2,6-Dichlorophenol	0.000		0	N.D. d	
94) Caprolactam	0.000		0	N.D. d	
96) Biphenyl	0.000		0	N.D. d	
97) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D. d	
98) Atrazine	0.000		0	N.D. d	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297006.D
Acq On : 24 Oct 2025 12:36 pm
Operator : BGL
Sample : 8270std 1.0 ppm 25J0519 reprp Inst : GCMSSV2
Misc :
ALS Vial : 6 Sample Multiplier: 1

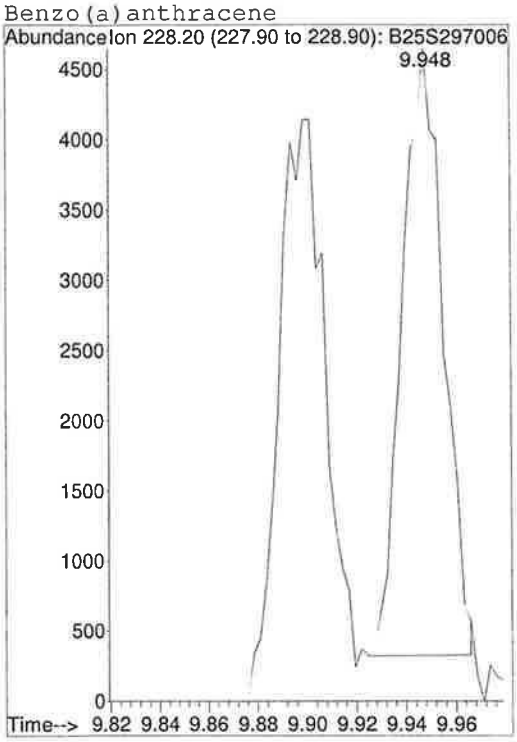
Quant Time: Nov 04 13:11:38 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 11:46:29 2025
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297006.D
Acq On : 24 Oct 2025 12:36 pm
Operator : BGL
Sample : 8270std 1.0 ppm 25J0519 reprp
Misc :

Quant Time : Tue Nov 04 13:13:55 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Tue Nov 04 11:46:29 2025

Original Integration
Benzo(a)anthracene



Original Int. Results

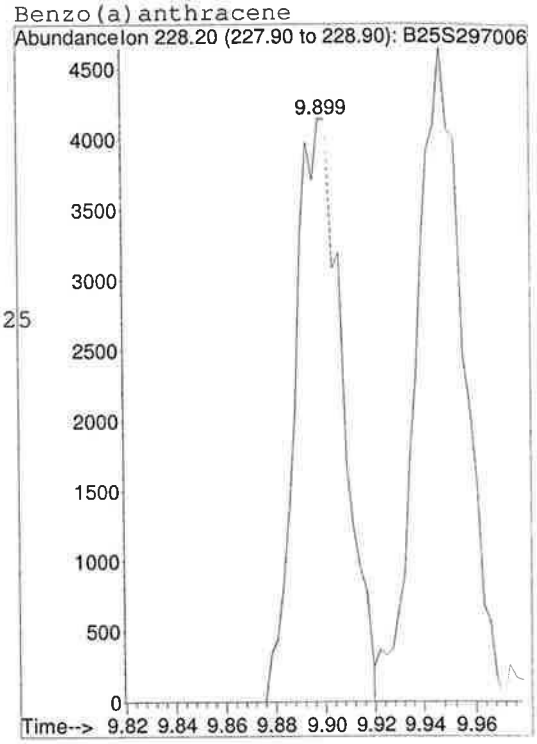
RT : 9.95
Area : 4968
Amount: 0.989871

Manual Int. Results

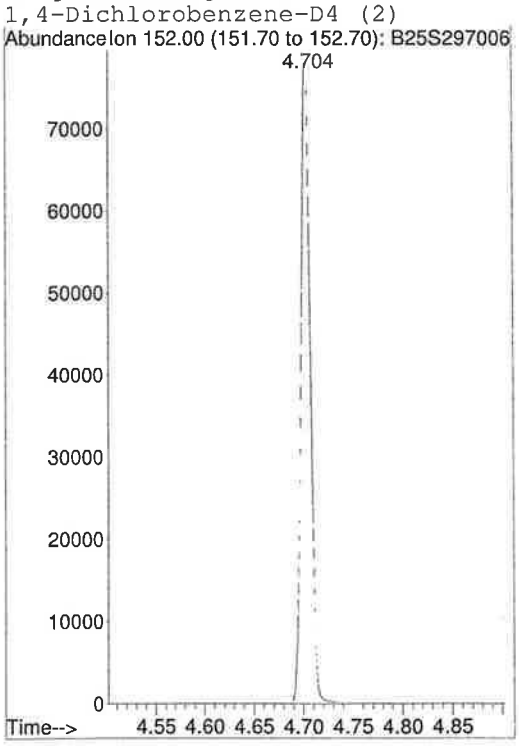
Tue Nov 04 13:13:55 2025

MIuser: bgl
Reason: Other
RT : 9.90
Area : 5489
Amount: 1.09368

Manual Integration
Benzo(a)anthracene



Original Integration
1,4-Dichlorobenzene-D4 (2)



Original Int. Results

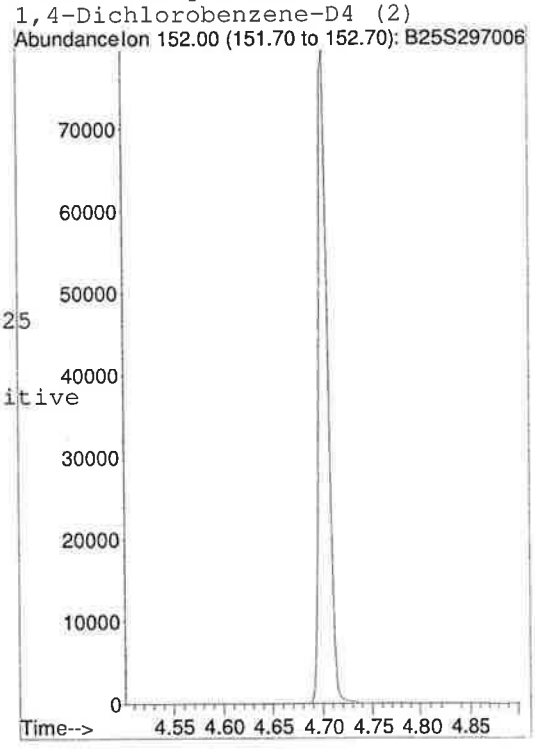
RT : 4.70
Area : 51711
Amount: 40

Manual Int. Results

Tue Nov 04 13:13:24 2025

MIuser: bgl
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

Manual Integration
1,4-Dichlorobenzene-D4 (2)



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297007.D
Acq On : 24 Oct 2025 1:01 pm
Operator : BGL
Sample : 8270std 2 ppm 25J0518 Inst : GCMSSV2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 04 13:25:24 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:14:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.702	152	60059	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	5.502	136	243422	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	6.592	164	135023	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	7.513	188	219096	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.912	240	171008	40.00	ug/ml	0.00
80) PERYLENE-D12	12.358	264	188242	40.00	ug/ml	0.00
88) 1,4-Dichlorobenzene-D4...	0.000	152	0m	40.00	ug/ml	-4.70
92) NAPHTHALENE-d8 (2)	0.000	136	0m	40.00	ug/ml	-5.50
95) ACENAPHTHENE-D10 (2)	0.000	164	0m	40.00	ug/ml	-6.59
System Monitoring Compounds						
2) 2-Fluorophenol	3.843	112	5919	3.53	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 1.76%#			
3) Phenol-d6	4.466	99	9749	3.52	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 1.76%#			
20) Nitrobenzene-d5	5.054	82	4284	1.77	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 1.77%#			
36) 2-Fluorobiphenyl	6.168	172	8387	1.88	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 1.88%#			
37) 2,4,6-Tribromophenol	7.078	330	1475	2.46	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 1.23%#			
72) p-Terphenyl-d14	8.691	244	6564	1.85	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 1.85%#			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.784	42	2151	2.01	ug/ml#	76
5) Pyridine	2.851	79	4003m	1.62	ug/ml	
6) Aniline	4.491	93	5876	1.60	ug/ml#	94
7) Phenol	4.473	94	5440	1.75	ug/ml	97
8) Bis(2-chloroethyl)ether	4.535	63	3093	2.01	ug/ml	88
9) 2-Chlorophenol	4.568	128	4099	1.73	ug/ml	98
10) 1,3-Dichlorobenzene	4.666	146	4691	1.90	ug/ml	98
11) 1,4-Dichlorobenzene	4.715	146	4964	1.97	ug/ml	91
12) 1,2-Dichlorobenzene	4.813	146	4406	1.85	ug/ml	94
13) 2- METHYLPHENOL	4.856	108	4136	1.92	ug/ml	93
14) 2,2'-oxybis(1-chloropr...	4.874	45	5300	2.41	ug/ml#	66
15) Acetophenone	4.957	105	5992	1.94	ug/ml	99
16) 3/4- METHYLPHENOL	4.952	107	8605	3.59	ug/ml	95
17) N-Nitroso-Di-N-Propyla...	4.954	70	3072	1.91	ug/ml	85
18) Hexachloroethane	5.026	117	1833	1.90	ug/ml	96
21) NITROBENZENE	5.065	77	4382	1.80	ug/ml	93
22) Isophorone	5.214	82	7543	1.84	ug/ml	94
23) 2-Nitrophenol	5.265	139	1759	1.46	ug/ml	97
24) 2,4-Dimethylphenol	5.283	122	3610	1.86	ug/ml	88
25) Bis(2-Chloroethoxy)met...	5.342	93	5064	1.89	ug/ml	95
26) Benzoic Acid	5.330	122	149	N.D.		
27) 2,4-Dichlorophenol	5.412	162	3005	1.62	ug/ml	97
28) 1,2,4-Trichlorobenzene	5.466	180	3652	1.84	ug/ml	94
29) Naphthalene	5.515	128	13010	1.94	ug/ml	99
30) 4-Chloroaniline	5.548	127	4393	1.52	ug/ml	99
31) Hexachlorobutadiene	5.592	225	1749	1.75	ug/ml	95
32) 4-Chloro-3-Methylphenol	5.839	107	3118	1.61	ug/ml	96
33) 2-MethylNaphthalene	5.947	142	8349	1.84	ug/ml	98
34) 1-Methylnaphthalene	6.006	142	7589	1.77	ug/ml	96
38) Hexachlorocyclopentadiene	6.042	237	1548	1.44	ug/ml	97
39) 1,2,4,5-Tetrachloroben...	6.047	216	3462	1.84	ug/ml	99
40) 2,4,6-Trichlorophenol	6.116	196	2047	1.61	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297007.D
Acq On : 24 Oct 2025 1:01 pm
Operator : BGL
Sample : 8270std 2 ppm 25J0518 Inst : GCMSSV2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 04 13:25:24 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:14:08 2025
Response via : Initial Calibration

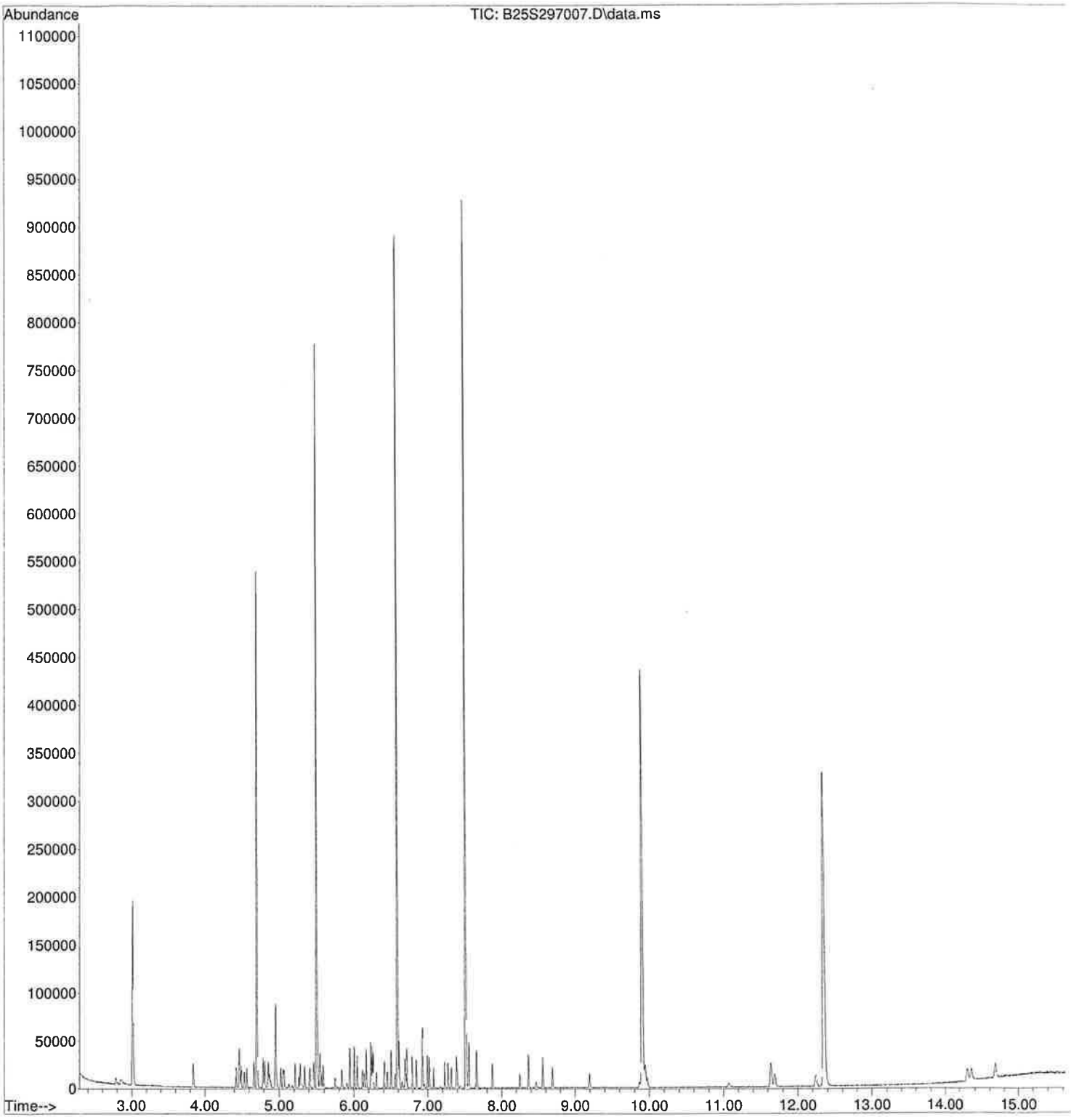
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 2,4,5-Trichlorophenol	6.140	196	2026	1.52 ug/ml	97
42) 2-ChloroNaphthalene	6.248	162	9226	1.92 ug/ml	98
43) 2-Nitroaniline	6.307	65	1980	1.61 ug/ml	98
44) 1,1-Biphenyl	6.230	154	9778	1.94 ug/ml	98
45) DIMETHYL PHTHALATE	6.412	163	8056	1.90 ug/ml	98
46) 2,6-DinitroToluene	6.451	165	1374	1.41 ug/ml	95
47) Acenaphthylene	6.505	152	11685	1.81 ug/ml	99
48) 3-Nitroaniline	6.559	138	1665	1.38 ug/ml	90
49) Acenaphthene	6.613	154	7874	1.82 ug/ml	96
50) 2,4-Dinitrophenol	6.623	184	287	0.54 ug/ml#	52
51) 4-Nitrophenol	6.654	109	527	1.01 ug/ml#	81
52) Dibenzofuran	6.718	168	11071	1.93 ug/ml	96
53) 2,4-Dinitrotoluene	6.700	165	1691	1.28 ug/ml#	81
54) DIETHYL PHTHALATE	6.847	149	7319	1.82 ug/ml	98
55) 4-Chlorophenyl phenyl ...	6.924	204	3612	1.79 ug/ml	98
56) Flourene	6.932	166	8975	1.89 ug/ml	97
57) 4-Nitroaniline	6.934	138	1875	1.41 ug/ml#	78
59) 4,6-Dinitro-2-Methylph...	6.952	198	485	6.63 ug/ml#	71
60) N-Nitrosodiphenylamine	6.996	169	5696	1.51 ug/ml	100
61) 1,2-Diphenylhydrazine	7.022	77	8519	1.87 ug/ml	98
62) 4-Bromophenyl phenyl e...	7.227	248	1960	1.67 ug/ml	93
63) Hexachlorobenzene	7.274	284	2433	1.87 ug/ml	99
64) Pentachlorophenol	7.389	266	757	0.86 ug/ml	97
65) Pentachloronitrobenzene	7.400	295	244	1.07 ug/ml#	56
66) Phenanthrene	7.528	178	13199	1.93 ug/ml	99
67) Anthracene	7.559	178	12500	1.83 ug/ml	100
68) Carbazole	7.657	167	11308	1.78 ug/ml	99
69) Di-N-Butyl Phthalate	7.873	149	9673	1.56 ug/ml	98
70) Flouranthene	8.367	202	11448	1.69 ug/ml	97
73) Benzidine	8.467	184	3453	1.63 ug/ml	96
74) Pyrene	8.559	202	12018	1.92 ug/ml	99
75) Butylbenzyl phthalate	9.195	149	3507	1.53 ug/ml	88
76) 3,3'-Dichlorobenzidine	9.871	252	2487	1.39 ug/ml	93
77) Benzo(a)anthracene	9.902	228	10577	1.83 ug/ml	98
78) Chrysene	9.948	228	10551	1.85 ug/ml	98
79) Bis(2-ethylhexyl)phtha...	9.979	149	3481	1.33 ug/ml	97
81) Di-n-octylphthalate	11.069	149	4504	0.98 ug/ml#	98
82) Benzo(b)fluoranthene	11.640	252	9181	1.59 ug/ml	94
83) Benzo(k)fluoranthene	11.689	252	9496	1.66 ug/ml	89
84) Benzo(a)pyrene	12.245	252	8630	1.61 ug/ml	84
85) Indeno(1,2,3-cd)pyrene	14.304	276	7898	1.66 ug/ml	86
86) Dibenz(a,h)anthracene	14.356	278	8095	1.62 ug/ml	93
87) Benzo(g,h,i)perylene	14.672	276	8774	1.66 ug/ml	99
89) 1,4-Dioxane	0.000		0	N.D. d	
90) Benzaldehyde	0.000		0	N.D. d	
91) Benzyl Alcohol	0.000		0	N.D. d	
93) 2,6-Dichlorophenol	0.000		0	N.D. d	
94) Caprolactam	0.000		0	N.D. d	
96) Biphenyl	0.000		0	N.D. d	
97) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D. d	
98) Atrazine	0.000		0	N.D. d	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297007.D
Acq On : 24 Oct 2025 1:01 pm
Operator : BGL
Sample : 8270std 2 ppm 25J0518 Inst : GCMSSV2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 04 13:25:24 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:14:08 2025
Response via : Initial Calibration

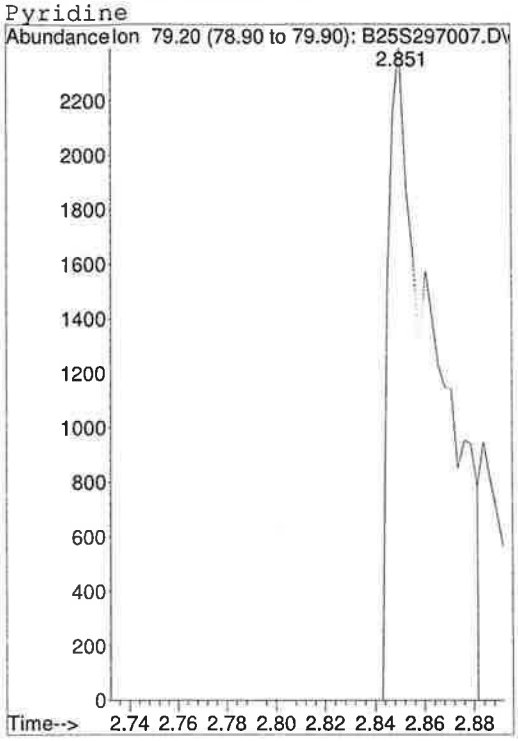


Manual Integration Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297007.D
Acq On : 24 Oct 2025 1:01 pm
Operator : BGL
Sample : 8270std 2 ppm 25J0518
Misc :

Quant Time : Tue Nov 04 13:28:12 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Tue Nov 04 13:14:08 2025

Original Integration
Pyridine



Original Int. Results

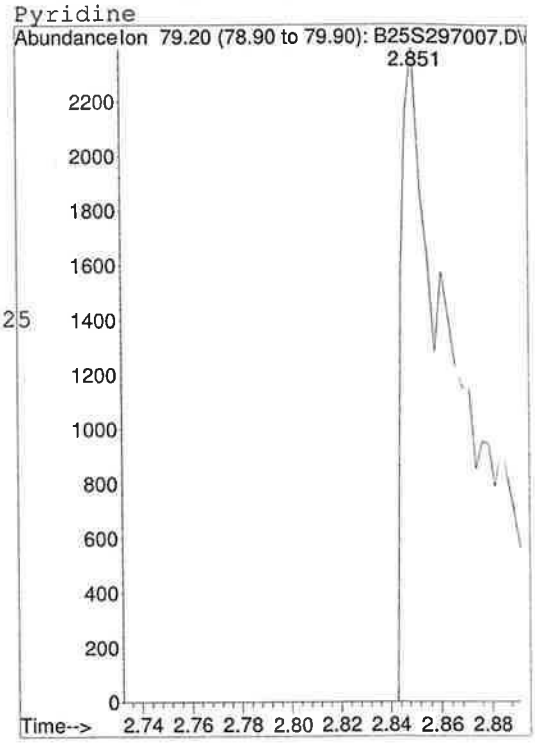
RT : 2.85
Area : 3231
Amount: 1.30815

Manual Int. Results

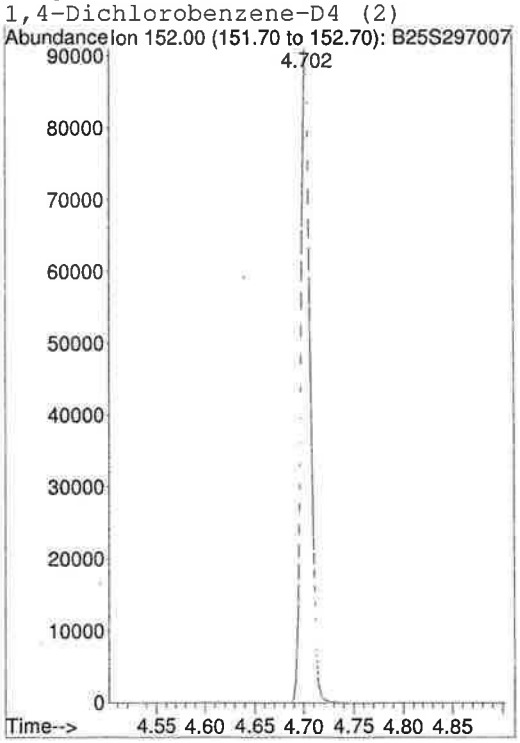
Tue Nov 04 13:26:08 2025

MIuser: bgl
Reason: Other
RT : 2.85
Area : 4003
Amount: 1.62071

Manual Integration
Pyridine



Original Integration
1,4-Dichlorobenzene-D4 (2)



Original Int. Results

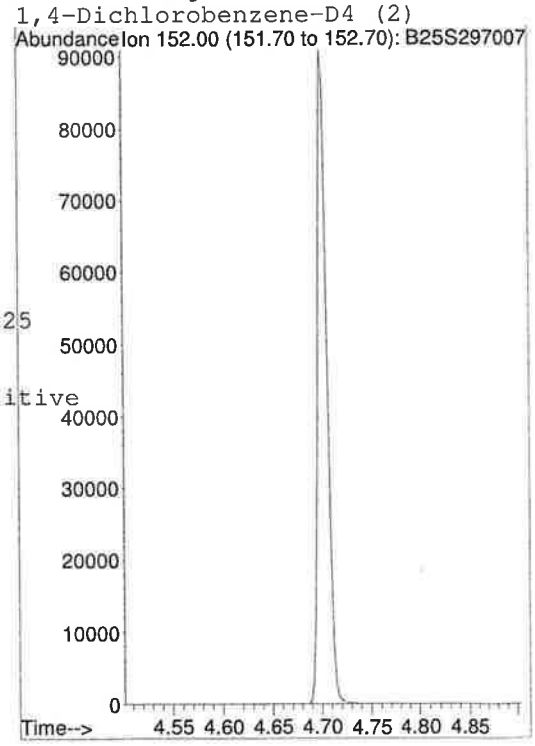
RT : 4.70
Area : 60059
Amount: 40

Manual Int. Results

Tue Nov 04 13:28:12 2025

MIuser: bgl
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

Manual Integration
1,4-Dichlorobenzene-D4 (2)



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297008.D
Acq On : 24 Oct 2025 1:25 pm
Operator : BGL
Sample : 8270std 5 ppm 25J0511 Inst : GCMSSV2
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 04 13:35:03 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:33:32 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.702	152	57635	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	5.502	136	230634	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	6.592	164	130342	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	7.513	188	211805	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.909	240	165122	40.00	ug/ml	0.00
80) PERYLENE-D12	12.360	264	181074	40.00	ug/ml	0.00
88) 1,4-Dichlorobenzene-D4...	0.000	152	0m	40.00	ug/ml	-4.70
92) NAPHTHALENE-d8 (2)	0.000	136	0m	40.00	ug/ml	-5.50
95) ACENAPHTHENE-D10 (2)	0.000	164	0m	40.00	ug/ml	-6.59
System Monitoring Compounds						
2) 2-Fluorophenol	3.843	112	14816	9.20	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery =	4.60%#		
3) Phenol-d6	4.465	99	24719	9.31	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery =	4.66%#		
20) Nitrobenzene-d5	5.054	82	10864	4.73	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery =	4.73%#		
36) 2-Fluorobiphenyl	6.168	172	20558	4.78	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery =	4.78%#		
37) 2,4,6-Tribromophenol	7.081	330	4264	7.37	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery =	3.69%#		
72) p-Terphenyl-d14	8.690	244	16625	4.86	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery =	4.86%#		
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.778	42	5377	5.24	ug/ml#	77
5) Pyridine	2.827	79	11843	5.00	ug/ml	86
6) Aniline	4.491	93	16683	4.74	ug/ml#	96
7) Phenol	4.473	94	13991	4.68	ug/ml	99
8) Bis(2-chloroethyl)ether	4.535	63	7354	4.97	ug/ml	97
9) 2-Chlorophenol	4.568	128	10346	4.56	ug/ml	97
10) 1,3-Dichlorobenzene	4.669	146	11856	5.01	ug/ml	98
11) 1,4-Dichlorobenzene	4.715	146	12000	4.95	ug/ml	97
12) 1,2-Dichlorobenzene	4.813	146	11129	4.87	ug/ml	99
13) 2- METHYLPHENOL	4.856	108	9944	4.81	ug/ml	90
14) 2,2'-oxybis(1-chloropr...	4.874	45	12214	5.78	ug/ml#	65
15) Acetophenone	4.957	105	15155	5.10	ug/ml	98
16) 3/4- METHYLPHENOL	4.951	107	23113	10.05	ug/ml	98
17) N-Nitroso-Di-N-Propyla...	4.957	70	7923	5.14	ug/ml	91
18) Hexachloroethane	5.023	117	4469	4.82	ug/ml	95
21) NITROBENZENE	5.065	77	11590	5.01	ug/ml	94
22) Isophorone	5.214	82	18892	4.87	ug/ml	98
23) 2-Nitrophenol	5.265	139	4836	4.24	ug/ml	98
24) 2,4-Dimethylphenol	5.283	122	9035	4.91	ug/ml	95
25) Bis(2-Chloroethoxy)met...	5.342	93	12834	5.05	ug/ml	95
26) Benzoic Acid	5.342	122	272	0.25	ug/ml#	1
27) 2,4-Dichlorophenol	5.412	162	7658	4.36	ug/ml	98
28) 1,2,4-Trichlorobenzene	5.466	180	9267	4.93	ug/ml	98
29) Naphthalene	5.515	128	32095	5.06	ug/ml	99
30) 4-Chloroaniline	5.545	127	12746	4.66	ug/ml	97
31) Hexachlorobutadiene	5.592	225	4531	4.80	ug/ml	95
32) 4-Chloro-3-Methylphenol	5.839	107	8260	4.52	ug/ml	99
33) 2-MethylNaphthalene	5.944	142	21207	4.92	ug/ml	98
34) 1-Methylnaphthalene	6.006	142	20256	5.00	ug/ml	97
38) Hexachlorocyclopentadiene	6.042	237	3955	3.82	ug/ml	98
39) 1,2,4,5-Tetrachloroben...	6.049	216	8812	4.85	ug/ml	98
40) 2,4,6-Trichlorophenol	6.116	196	5229	4.26	ug/ml	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297008.D
Acq On : 24 Oct 2025 1:25 pm
Operator : BGL
Sample : 8270std 5 ppm 25J0511 Inst : GCMSSV2
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 04 13:35:03 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:33:32 2025
Response via : Initial Calibration

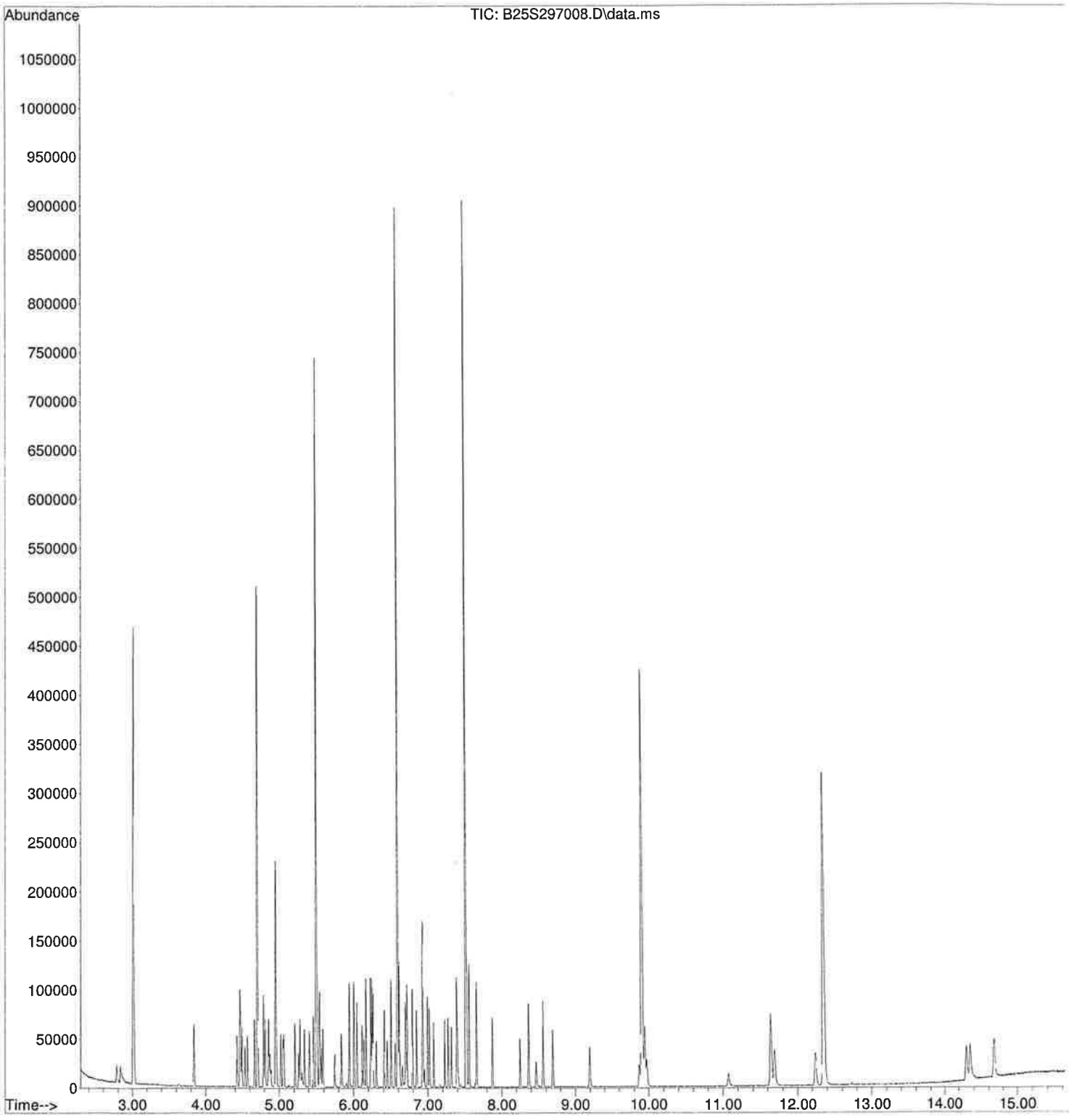
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 2,4,5-Trichlorophenol	6.139	196	5543	4.30 ug/ml	89
42) 2-ChloroNaphthalene	6.247	162	22937	4.95 ug/ml	99
43) 2-Nitroaniline	6.307	65	5298	4.46 ug/ml	97
44) 1,1-Biphenyl	6.232	154	24534	5.04 ug/ml	98
45) DIMETHYL PHTHALATE	6.412	163	20557	5.03 ug/ml	100
46) 2,6-DinitroToluene	6.453	165	3838	4.07 ug/ml	95
47) Acenaphthylene	6.505	152	29992	4.81 ug/ml	99
48) 3-Nitroaniline	6.559	138	4900	4.20 ug/ml	92
49) Acenaphthene	6.613	154	20439	4.89 ug/ml	97
50) 2,4-Dinitrophenol	6.623	184	976	1.92 ug/ml#	1
51) 4-Nitrophenol	6.654	109	1893	3.75 ug/ml#	91
52) Dibenzofuran	6.718	168	27679	5.01 ug/ml	98
53) 2,4-Dinitrotoluene	6.703	165	5390	4.23 ug/ml	95
54) DIETHYL PHTHALATE	6.847	149	19373	4.99 ug/ml	99
55) 4-Chlorophenyl phenyl ...	6.924	204	9783	5.02 ug/ml	96
56) Flourene	6.932	166	22644	4.93 ug/ml	100
57) 4-Nitroaniline	6.934	138	5577	4.33 ug/ml	87
59) 4,6-Dinitro-2-Methylph...	6.955	198	1785	8.03 ug/ml	91
60) N-Nitrosodiphenylamine	6.996	169	14960	4.09 ug/ml	100
61) 1,2-Diphenylhydrazine	7.022	77	22792	5.19 ug/ml	95
62) 4-Bromophenyl phenyl e...	7.227	248	5135	4.52 ug/ml	99
63) Hexachlorobenzene	7.274	284	5828	4.62 ug/ml	96
64) Pentachlorophenol	7.392	266	2660	3.13 ug/ml	93
65) Pentachloronitrobenzene	7.400	295	870	3.96 ug/ml	95
66) Phenanthrene	7.528	178	32328	4.89 ug/ml	99
67) Anthracene	7.559	178	32492	4.91 ug/ml	99
68) Carbazole	7.657	167	29528	4.80 ug/ml	98
69) Di-N-Butyl Phthalate	7.873	149	25888	4.31 ug/ml	98
70) Flouranthene	8.366	202	29503	4.51 ug/ml	97
73) Benzidine	8.467	184	10510	5.15 ug/ml	93
74) Pyrene	8.559	202	31833	5.26 ug/ml	99
75) Butylbenzyl phthalate	9.197	149	9680	4.38 ug/ml	87
76) 3,3'-Dichlorobenzidine	9.868	252	7129	4.11 ug/ml	95
77) Benzo(a)anthracene	9.899	228	26277	4.72 ug/ml	97
78) Chrysene	9.945	228	25933	4.71 ug/ml	98
79) Bis(2-ethylhexyl)phtha...	9.974	149	10309	4.07 ug/ml	97
81) Di-n-octylphthalate	11.072	149	12632	2.84 ug/ml#	90
82) Benzo(b)fluoranthene	11.640	252	25170	4.53 ug/ml	94
83) Benzo(k)fluoranthene	11.692	252	22820	4.14 ug/ml	86
84) Benzo(a)pyrene	12.242	252	22318	4.34 ug/ml	92
85) Indeno(1,2,3-cd)pyrene	14.304	276	20442	4.46 ug/ml	93
86) Dibenz(a,h)anthracene	14.356	278	21831	4.53 ug/ml	92
87) Benzo(g,h,i)perylene	14.677	276	23754	4.67 ug/ml	87
89) 1,4-Dioxane	0.000		0	N.D. d	
90) Benzaldehyde	0.000		0	N.D. d	
91) Benzyl Alcohol	0.000		0	N.D. d	
93) 2,6-Dichlorophenol	0.000		0	N.D. d	
94) Caprolactam	0.000		0	N.D. d	
96) Biphenyl	0.000		0	N.D. d	
97) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D. d	
98) Atrazine	0.000		0	N.D. d	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297008.D
Acq On : 24 Oct 2025 1:25 pm
Operator : BGL
Sample : 8270std 5 ppm 25J0511 Inst : GCMSSV2
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 04 13:35:03 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:33:32 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297009.D
Acq On : 24 Oct 2025 1:50 pm
Operator : BGL
Sample : 8270std 10 ppm 25J0512 Inst : GCMSSV2
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 04 13:38:53 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:36:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.702	152	58341	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	5.502	136	231832	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	6.592	164	129861	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	7.513	188	207852	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.909	240	164446	40.00	ug/ml	0.00
80) PERYLENE-D12	12.355	264	176334	40.00	ug/ml	0.00
88) 1,4-Dichlorobenzene-D4...	0.000	152	0m	40.00	ug/ml	-4.70
92) NAPHTHALENE-d8 (2)	0.000	136	0m	40.00	ug/ml	-5.50
95) ACENAPHTHENE-D10 (2)	0.000	164	0m	40.00	ug/ml	-6.59
System Monitoring Compounds						
2) 2-Fluorophenol	3.840	112	31479	19.31	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery =	9.65%#		
3) Phenol-d6	4.463	99	53599	19.94	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery =	9.97%#		
20) Nitrobenzene-d5	5.052	82	23420	10.15	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery =	10.15%#		
36) 2-Fluorobiphenyl	6.168	172	43722	10.20	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery =	10.20%#		
37) 2,4,6-Tribromophenol	7.078	330	9986	17.31	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery =	8.65%#		
72) p-Terphenyl-d14	8.690	244	34878	10.24	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery =	10.24%#		
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.773	42	10837	10.43	ug/ml#	75
5) Pyridine	2.814	79	23833	9.76	ug/ml	92
6) Aniline	4.491	93	36365	10.22	ug/ml	96
7) Phenol	4.473	94	29360	9.70	ug/ml	97
8) Bis(2-chloroethyl)ether	4.532	63	15380	10.27	ug/ml	97
9) 2-Chlorophenol	4.568	128	22678	9.87	ug/ml	98
10) 1,3-Dichlorobenzene	4.666	146	23701	9.90	ug/ml	97
11) 1,4-Dichlorobenzene	4.712	146	24902	10.15	ug/ml	100
12) 1,2-Dichlorobenzene	4.810	146	22949	9.93	ug/ml	99
13) 2- METHYLPHENOL	4.856	108	20616	9.85	ug/ml	92
14) 2,2'-oxybis(1-chloropr...	4.874	45	25445m	11.89	ug/ml	
15) Acetophenone	4.956	105	31282	10.40	ug/ml	99
16) 3/4- METHYLPHENOL	4.951	107	47905 20	20.58	ug/ml	98
17) N-Nitroso-Di-N-Propyla...	4.956	70	16449	10.53	ug/ml	89
18) Hexachloroethane	5.023	117	9470	10.08	ug/ml	100
21) NITROBENZENE	5.064	77	24276	10.44	ug/ml	96
22) Isophorone	5.211	82	41124	10.55	ug/ml	96
23) 2-Nitrophenol	5.262	139	10587	9.24	ug/ml	100
24) 2,4-Dimethylphenol	5.283	122	18554	10.03	ug/ml	96
25) Bis(2-Chloroethoxy)met...	5.342	93	26519	10.37	ug/ml	96
26) Benzoic Acid	5.314	122	9276	8.36	ug/ml	93
27) 2,4-Dichlorophenol	5.412	162	17148	9.72	ug/ml	99
28) 1,2,4-Trichlorobenzene	5.466	180	18783	9.95	ug/ml	98
29) Naphthalene	5.514	128	66303	10.40	ug/ml	100
30) 4-Chloroaniline	5.545	127	28742	10.45	ug/ml	98
31) Hexachlorobutadiene	5.592	225	9573	10.08	ug/ml	98
32) 4-Chloro-3-Methylphenol	5.838	107	18126	9.86	ug/ml	99
33) 2-MethylNaphthalene	5.944	142	45034	10.40	ug/ml	97
34) 1-Methylnaphthalene	6.006	142	42138	10.34	ug/ml	98
38) Hexachlorocyclopentadiene	6.042	237	9226	8.93	ug/ml	100
39) 1,2,4,5-Tetrachloroben...	6.049	216	17974	9.94	ug/ml	98
40) 2,4,6-Trichlorophenol	6.116	196	11927	9.75	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297009.D
Acq On : 24 Oct 2025 1:50 pm
Operator : BGL
Sample : 8270std 10 ppm 25J0512 Inst : GCMSSV2
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 04 13:38:53 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:36:44 2025
Response via : Initial Calibration

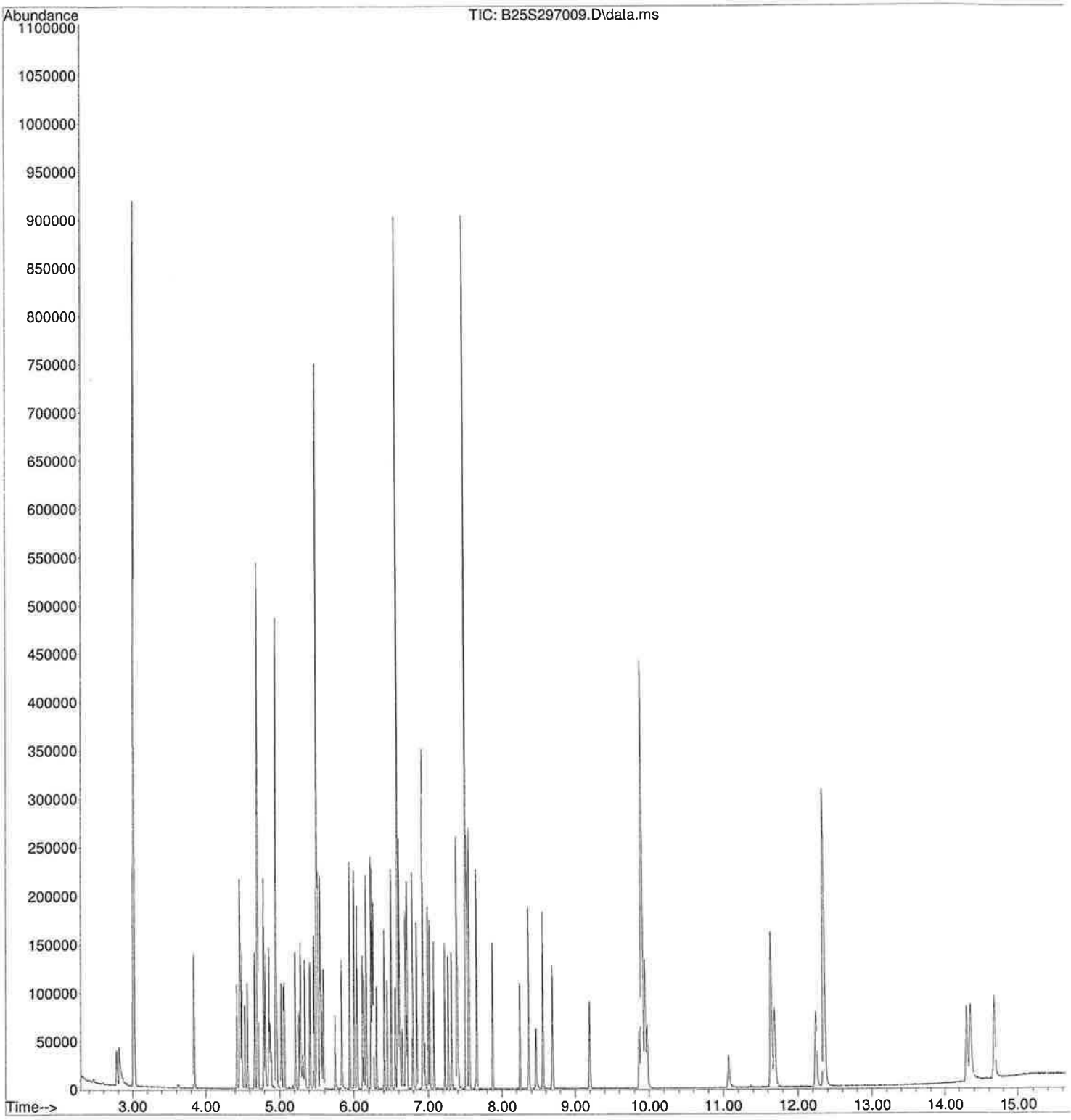
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 2,4,5-Trichlorophenol	6.139	196	12614	9.82 ug/ml	93
42) 2-ChloroNaphthalene	6.247	162	48416	10.48 ug/ml	98
43) 2-Nitroaniline	6.307	65	11638	9.83 ug/ml	98
44) 1,1-Biphenyl	6.229	154	51031	10.51 ug/ml	97
45) DIMETHYL PHTHALATE	6.412	163	42097	10.33 ug/ml	100
46) 2,6-DinitroToluene	6.451	165	9085	9.66 ug/ml	99
47) Acenaphthylene	6.505	152	64659	10.40 ug/ml	100
48) 3-Nitroaniline	6.559	138	11748	10.12 ug/ml	93
49) Acenaphthene	6.613	154	43101	10.34 ug/ml	98
50) 2,4-Dinitrophenol	6.623	184	2811	5.54 ug/ml#	1
51) 4-Nitrophenol	6.651	109	4605	9.17 ug/ml	97
52) Dibenzofuran	6.718	168	56560	10.28 ug/ml	100
53) 2,4-Dinitrotoluene	6.703	165	12011	9.47 ug/ml	96
54) DIETHYL PHTHALATE	6.847	149	40619	10.51 ug/ml	99
55) 4-Chlorophenyl phenyl ...	6.924	204	19282	9.93 ug/ml	98
56) Flourene	6.931	166	46560	10.17 ug/ml	98
57) 4-Nitroaniline	6.934	138	12679	9.89 ug/ml	87
59) 4,6-Dinitro-2-Methylph...	6.952	198	4876	11.42 ug/ml	96
60) N-Nitrosodiphenylamine	6.996	169	31547	8.79 ug/ml	100
61) 1,2-Diphenylhydrazine	7.021	77	47075	10.91 ug/ml	95
62) 4-Bromophenyl phenyl e...	7.227	248	11103	9.96 ug/ml	99
63) Hexachlorobenzene	7.273	284	12126	9.81 ug/ml	97
64) Pentachlorophenol	7.392	266	6276	7.54 ug/ml	96
65) Pentachloronitrobenzene	7.399	295	1961	9.09 ug/ml	97
66) Phenanthrene	7.528	178	67217	10.35 ug/ml	99
67) Anthracene	7.559	178	67757	10.43 ug/ml	99
68) Carbazole	7.657	167	61168	10.14 ug/ml	99
69) Di-N-Butyl Phthalate	7.875	149	56287	9.55 ug/ml	100
70) Flouranthene	8.366	202	61912	9.65 ug/ml	98
73) Benzidine	8.467	184	23734	11.69 ug/ml	93
74) Pyrene	8.559	202	65849	10.92 ug/ml	99
75) Butylbenzyl phthalate	9.197	149	21081	9.57 ug/ml	87
76) 3,3'-Dichlorobenzidine	9.868	252	16229	9.40 ug/ml	97
77) Benzo(a)anthracene	9.896	228	55302	9.97 ug/ml	99
78) Chrysene	9.945	228	55095	10.04 ug/ml	98
79) Bis(2-ethylhexyl)phtha...	9.976	149	24027	9.52 ug/ml	97
81) Di-n-octylphthalate	11.074	149	30699	7.10 ug/ml	91
82) Benzo(b)fluoranthene	11.643	252	53187	9.83 ug/ml	94
83) Benzo(k)fluoranthene	11.689	252	54386	10.13 ug/ml	94
84) Benzo(a)pyrene	12.242	252	49456	9.86 ug/ml	94
85) Indeno(1,2,3-cd)pyrene	14.302	276	43978	9.86 ug/ml	90
86) Dibenz(a,h)anthracene	14.353	278	45614	9.73 ug/ml	93
87) Benzo(g,h,i)perylene	14.677	276	49955	10.09 ug/ml	89
89) 1,4-Dioxane	0.000		0	N.D. d	
90) Benzaldehyde	0.000		0	N.D. d	
91) Benzyl Alcohol	0.000		0	N.D. d	
93) 2,6-Dichlorophenol	0.000		0	N.D. d	
94) Caprolactam	0.000		0	N.D. d	
96) Biphenyl	0.000		0	N.D. d	
97) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D. d	
98) Atrazine	0.000		0	N.D. d	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297009.D
Acq On : 24 Oct 2025 1:50 pm
Operator : BGL
Sample : 8270std 10 ppm 25J0512 Inst : GCMSSV2
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 04 13:38:53 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:36:44 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297010.D
Acq On : 24 Oct 2025 2:15 pm
Operator : BGL
Sample : 8270std 20 ppm 25J0513 Inst : GCMSSV2
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 04 13:44:28 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:41:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.702	152	64120	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	5.502	136	264231	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	6.592	164	146893	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	7.513	188	234309	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.912	240	209217	40.00	ug/ml	0.00
80) PERYLENE-D12	12.360	264	235284	40.00	ug/ml	0.00
88) 1,4-Dichlorobenzene-D4...	0.000	152	0m	40.00	ug/ml	-4.70
92) NAPHTHALENE-d8 (2)	0.000	136	0m	40.00	ug/ml	-5.50
95) ACENAPHTHENE-D10 (2)	0.000	164	0m	40.00	ug/ml	-6.59
System Monitoring Compounds						
2) 2-Fluorophenol	3.840	112	68491	38.23	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 19.11%#			
3) Phenol-d6	4.465	99	116158	39.32	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 19.66%#			
20) Nitrobenzene-d5	5.052	82	51264	19.50	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 19.50%#			
36) 2-Fluorobiphenyl	6.168	172	94038	19.39	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 19.39%#			
37) 2,4,6-Tribromophenol	7.081	330	23239	35.62	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 17.81%#			
72) p-Terphenyl-d14	8.690	244	83132	19.19	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 19.19%#			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.768	42	22268	19.50	ug/ml#	73
5) Pyridine	2.799	79	54341	20.18	ug/ml	91
6) Aniline	4.491	93	79000	20.20	ug/ml	97
7) Phenol	4.473	94	65191	19.60	ug/ml	96
8) Bis(2-chloroethyl)ether	4.532	63	32740	19.90	ug/ml	94
9) 2-Chlorophenol	4.568	128	48896	19.37	ug/ml	96
10) 1,3-Dichlorobenzene	4.666	146	51678	19.63	ug/ml	98
11) 1,4-Dichlorobenzene	4.715	146	51587	19.14	ug/ml	100
12) 1,2-Dichlorobenzene	4.810	146	48432	19.07	ug/ml	99
13) 2- METHYLPHENOL	4.856	108	43924	19.09	ug/ml	92
14) 2,2'-oxybis(1-chloropr...	4.872	45	52563m	22.35	ug/ml	
15) Acetophenone	4.957	105	66683	20.17	ug/ml	100
16) 3/4- METHYLPHENOL	4.951	107	104918 40	41.00	ug/ml	98
17) N-Nitroso-Di-N-Propyla...	4.957	70	34809	20.28	ug/ml	92
18) Hexachloroethane	5.023	117	19955	19.33	ug/ml	99
21) NITROBENZENE	5.064	77	52037	19.64	ug/ml	96
22) Isophorone	5.214	82	86531	19.47	ug/ml	98
23) 2-Nitrophenol	5.263	139	24750	18.95	ug/ml	99
24) 2,4-Dimethylphenol	5.283	122	39630	18.79	ug/ml	96
25) Bis(2-Chloroethoxy)met...	5.342	93	57221	19.64	ug/ml	96
26) Benzoic Acid	5.324	122	22289	17.62	ug/ml	97
27) 2,4-Dichlorophenol	5.412	162	38528	19.17	ug/ml	99
28) 1,2,4-Trichlorobenzene	5.466	180	40804	18.96	ug/ml	99
29) Naphthalene	5.517	128	138954	19.12	ug/ml	99
30) 4-Chloroaniline	5.545	127	63217	20.17	ug/ml	99
31) Hexachlorobutadiene	5.592	225	20526	18.97	ug/ml	98
32) 4-Chloro-3-Methylphenol	5.839	107	40666	19.40	ug/ml	98
33) 2-MethylNaphthalene	5.944	142	96298	19.52	ug/ml	97
34) 1-Methylnaphthalene	6.006	142	89521	19.28	ug/ml	99
38) Hexachlorocyclopentadiene	6.042	237	21224	18.17	ug/ml	100
39) 1,2,4,5-Tetrachloroben...	6.049	216	39804	19.46	ug/ml	100
40) 2,4,6-Trichlorophenol	6.116	196	26510	19.15	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297010.D
Acq On : 24 Oct 2025 2:15 pm
Operator : BGL
Sample : 8270std 20 ppm 25J0513 Inst : GCMSSV2
Misc :
ALS Vial : 10 Sample Multiplier: 1

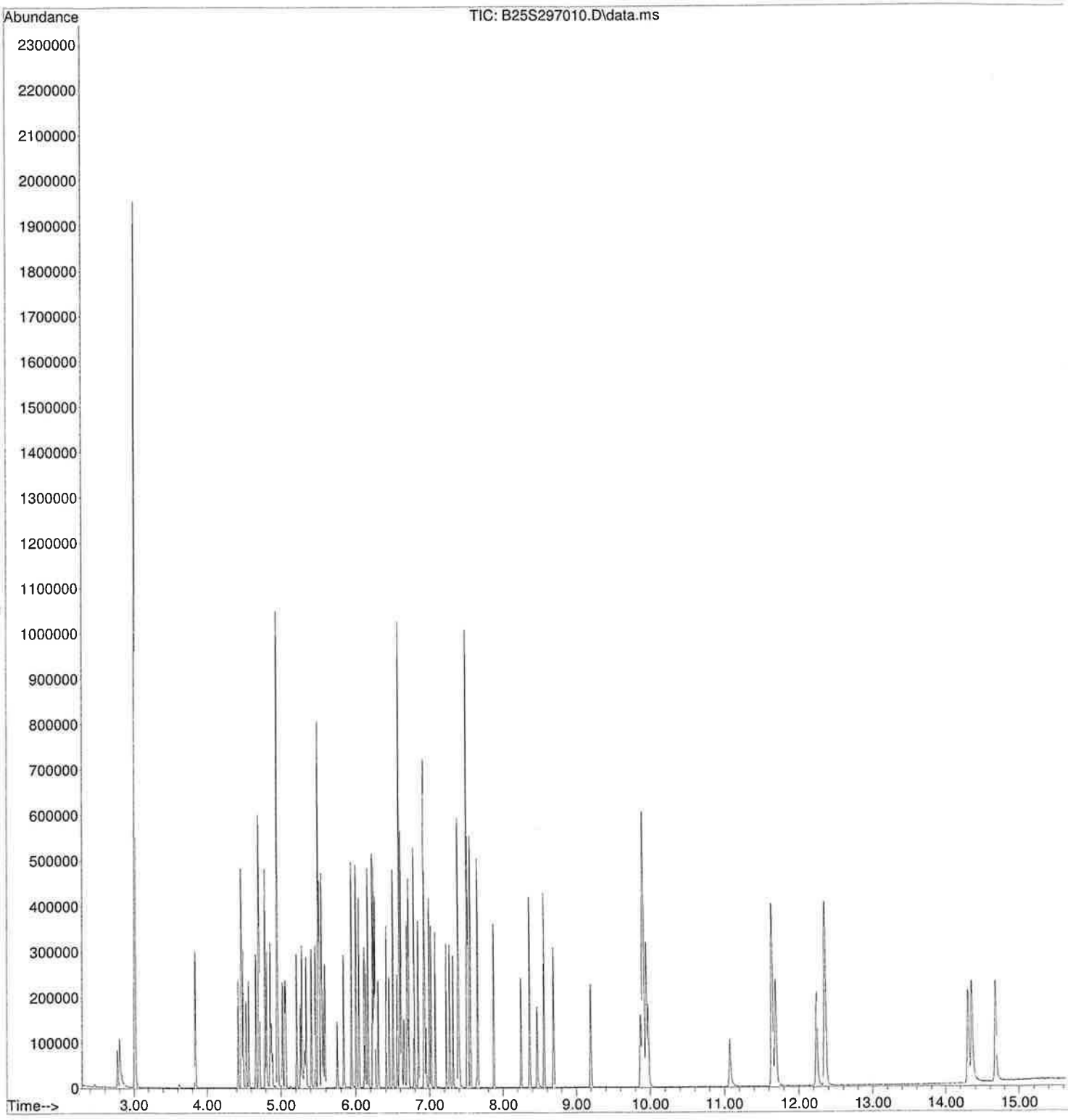
Quant Time: Nov 04 13:44:28 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:41:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 2,4,5-Trichlorophenol	6.139	196	27604	19.00 ug/ml	90
42) 2-ChloroNaphthalene	6.247	162	103481	19.80 ug/ml	97
43) 2-Nitroaniline	6.304	65	26734	19.97 ug/ml	98
44) 1,1-Biphenyl	6.229	154	109479	19.94 ug/ml	98
45) DIMETHYL PHTHALATE	6.412	163	91646	19.89 ug/ml	99
46) 2,6-DinitroToluene	6.453	165	20581	19.35 ug/ml	98
47) Acenaphthylene	6.505	152	138861	19.75 ug/ml	100
48) 3-Nitroaniline	6.559	138	26662	20.29 ug/ml	96
49) Acenaphthene	6.613	154	91986	19.51 ug/ml	98
50) 2,4-Dinitrophenol	6.623	184	8084	14.08 ug/ml#	1
51) 4-Nitrophenol	6.651	109	11088	19.51 ug/ml	96
52) Dibenzofuran	6.718	168	120262	19.32 ug/ml	99
53) 2,4-Dinitrotoluene	6.703	165	27946	19.47 ug/ml	98
54) DIETHYL PHTHALATE	6.847	149	86705	19.83 ug/ml	99
55) 4-Chlorophenyl phenyl ...	6.924	204	42598	19.39 ug/ml	98
56) Flourene	6.931	166	102064	19.72 ug/ml	100
57) 4-Nitroaniline	6.937	138	27926	19.26 ug/ml	89
59) 4,6-Dinitro-2-Methylph...	6.955	198	13242	18.87 ug/ml	99
60) N-Nitrosodiphenylamine	6.996	169	68276	16.88 ug/ml	99
61) 1,2-Diphenylhydrazine	7.021	77	97065	19.96 ug/ml	96
62) 4-Bromophenyl phenyl e...	7.227	248	23732	18.88 ug/ml	99
63) Hexachlorobenzene	7.273	284	26582	19.07 ug/ml	99
64) Pentachlorophenol	7.392	266	15763	16.79 ug/ml	98
65) Pentachloronitrobenzene	7.399	295	4559	18.74 ug/ml	99
66) Phenanthrene	7.528	178	141314	19.31 ug/ml	99
67) Anthracene	7.559	178	143895	19.66 ug/ml	100
68) Carbazole	7.657	167	135723	19.96 ug/ml	98
69) Di-N-Butyl Phthalate	7.873	149	130087	19.58 ug/ml	99
70) Flouranthene	8.366	202	140473	19.42 ug/ml	98
73) Benzidine	8.467	184	60651	23.47 ug/ml	94
74) Pyrene	8.562	202	150679	19.64 ug/ml	99
75) Butylbenzyl phthalate	9.197	149	53277	19.02 ug/ml	88
76) 3,3'-Dichlorobenzidine	9.868	252	43457	19.78 ug/ml	96
77) Benzo(a)anthracene	9.899	228	135409	19.18 ug/ml	97
78) Chrysene	9.948	228	134299	19.24 ug/ml	98
79) Bis(2-ethylhexyl)phtha...	9.976	149	63657	19.83 ug/ml	99
81) Di-n-octylphthalate	11.074	149	92258	15.99 ug/ml	94
82) Benzo(b)fluoranthene	11.643	252	135834	18.82 ug/ml	94
83) Benzo(k)fluoranthene	11.694	252	141883	19.80 ug/ml	96
84) Benzo(a)pyrene	12.247	252	130396	19.49 ug/ml	94
85) Indeno(1,2,3-cd)pyrene	14.307	276	113470	19.06 ug/ml	91
86) Dibenz(a,h)anthracene	14.356	278	120643	19.28 ug/ml	92
87) Benzo(g,h,i)perylene	14.677	276	130871	19.81 ug/ml	88
89) 1,4-Dioxane	0.000		0	N.D. d	
90) Benzaldehyde	0.000		0	N.D. d	
91) Benzyl Alcohol	0.000		0	N.D. d	
93) 2,6-Dichlorophenol	0.000		0	N.D. d	
94) Caprolactam	0.000		0	N.D. d	
96) Biphenyl	0.000		0	N.D. d	
97) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D. d	
98) Atrazine	0.000		0	N.D. d	

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

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297010.D
Acq On : 24 Oct 2025 2:15 pm
Operator : BGL
Sample : 8270std 20 ppm 25J0513 Inst : GCMSSV2
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 04 13:44:28 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:41:34 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297011.D
Acq On : 24 Oct 2025 2:39 pm
Operator : BGL
Sample : 8270std 50 ppm 25J0514 Inst : GCMSSV2
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 04 13:48:49 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:47:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.702	152	68730	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	5.502	136	277939	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	6.592	164	156569	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	7.513	188	252852	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.915	240	243698	40.00	ug/ml	0.00
80) PERYLENE-D12	12.360	264	256883	40.00	ug/ml	0.00
88) 1,4-Dichlorobenzene-D4...	0.000	152	0m	40.00	ug/ml	-4.70
92) NAPHTHALENE-d8 (2)	0.000	136	0m	40.00	ug/ml	-5.50
95) ACENAPHTHENE-D10 (2)	0.000	164	0m	40.00	ug/ml	-6.59
System Monitoring Compounds						
2) 2-Fluorophenol	3.840	112	172205	89.68	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 44.84%			
3) Phenol-d6	4.465	99	286868	90.60	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 45.30%			
20) Nitrobenzene-d5	5.054	82	126057	45.59	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 45.59%			
36) 2-Fluorobiphenyl	6.168	172	238578	46.16	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 46.16%			
37) 2,4,6-Tribromophenol	7.081	330	65961	94.86	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 47.43%			
72) p-Terphenyl-d14	8.690	244	240114	47.58	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 47.58%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.766	42	54936	44.89	ug/ml#	73
5) Pyridine	2.791	79	134979	46.51	ug/ml	94
6) Aniline	4.491	93	191513	45.68	ug/ml	98
7) Phenol	4.476	94	160495	45.02	ug/ml	97
8) Bis(2-chloroethyl)ether	4.535	63	81856	46.41	ug/ml	94
9) 2-Chlorophenol	4.568	128	123952	45.82	ug/ml	98
10) 1,3-Dichlorobenzene	4.668	146	129475	45.89	ug/ml	99
11) 1,4-Dichlorobenzene	4.712	146	133215	46.11	ug/ml	98
12) 1,2-Dichlorobenzene	4.810	146	125605	46.13	ug/ml	99
13) 2- METHYLPHENOL	4.859	108	110852	44.96	ug/ml	93
14) 2,2'-oxybis(1-chloropr...	4.874	45	130906	45.78	ug/ml#	63
15) Acetophenone	4.957	105	159806	45.10	ug/ml	100
16) 3/4- METHYLPHENOL	4.954	107	252959	92.23	ug/ml	98
17) N-Nitroso-Di-N-Propyla...	4.959	70	83128	45.18	ug/ml	93
18) Hexachloroethane	5.023	117	52072	47.05	ug/ml	97
21) NITROBENZENE	5.067	77	126281	45.31	ug/ml	96
22) Isophorone	5.214	82	218764	46.81	ug/ml	98
23) 2-Nitrophenol	5.265	139	64730	47.11	ug/ml	97
24) 2,4-Dimethylphenol	5.283	122	102711	46.29	ug/ml	96
25) Bis(2-Chloroethoxy)met...	5.345	93	143158	46.70	ug/ml	99
26) Benzoic Acid	5.340	122	65282	49.05	ug/ml	94
27) 2,4-Dichlorophenol	5.412	162	98405	46.54	ug/ml	99
28) 1,2,4-Trichlorobenzene	5.466	180	104313	46.09	ug/ml	99
29) Naphthalene	5.517	128	343621	44.96	ug/ml	100
30) 4-Chloroaniline	5.545	127	154598	46.90	ug/ml	100
31) Hexachlorobutadiene	5.592	225	55186	48.48	ug/ml	99
32) 4-Chloro-3-Methylphenol	5.841	107	101159	45.89	ug/ml	99
33) 2-MethylNaphthalene	5.944	142	237899	45.84	ug/ml	98
34) 1-Methylnaphthalene	6.006	142	221161	45.28	ug/ml	99
38) Hexachlorocyclopentadiene	6.042	237	61823	49.65	ug/ml	99
39) 1,2,4,5-Tetrachloroben...	6.049	216	103513	47.47	ug/ml	99
40) 2,4,6-Trichlorophenol	6.116	196	69761	47.28	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297011.D
Acq On : 24 Oct 2025 2:39 pm
Operator : BGL
Sample : 8270std 50 ppm 25J0514 Inst : GCMSSV2
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 04 13:48:49 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:47:19 2025
Response via : Initial Calibration

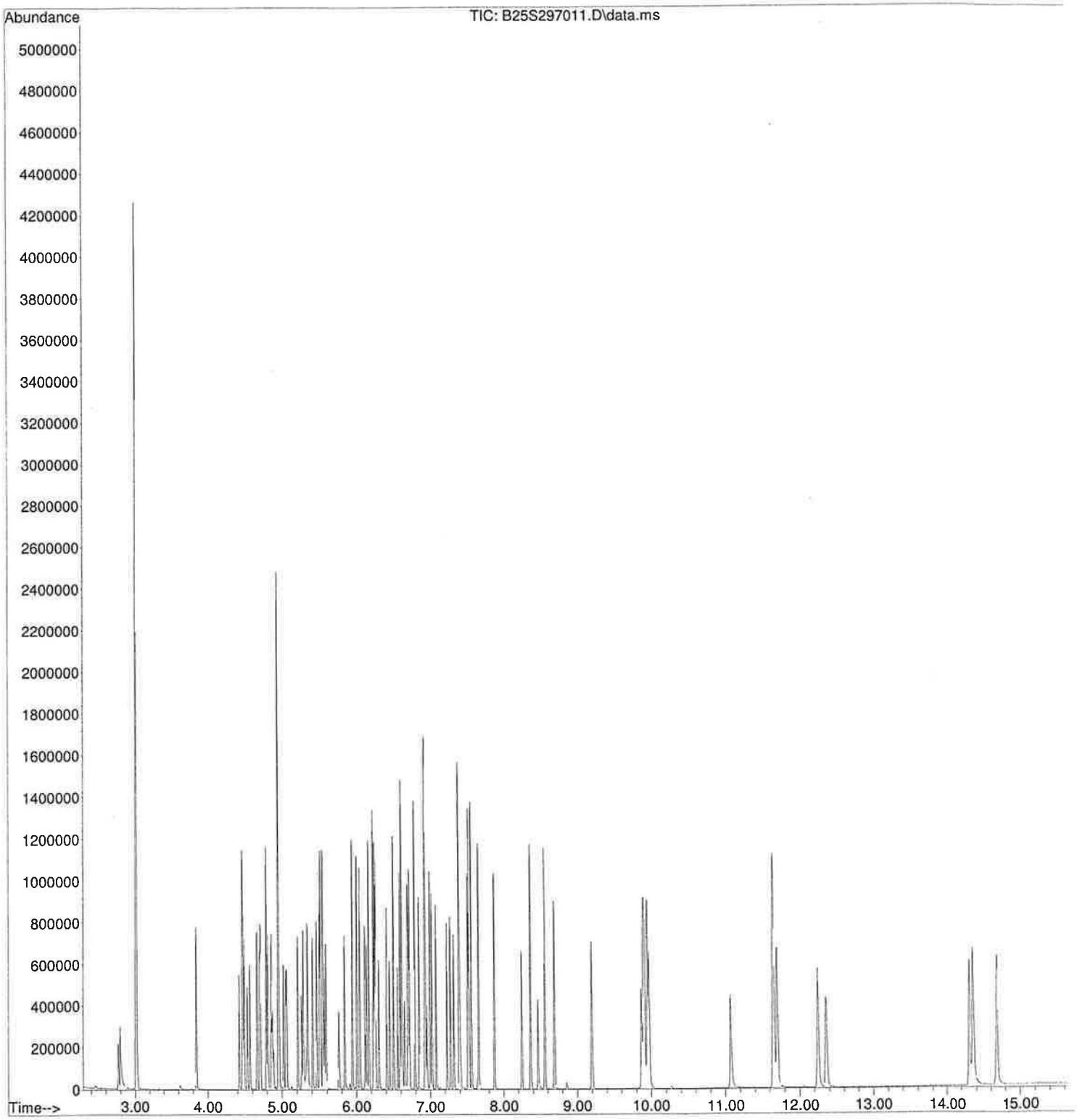
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 2,4,5-Trichlorophenol	6.139	196	73796	47.65 ug/ml	93
42) 2-ChloroNaphthalene	6.250	162	249751	44.84 ug/ml	97
43) 2-Nitroaniline	6.307	65	66669	46.72 ug/ml	99
44) 1,1-Biphenyl	6.232	154	273525	46.74 ug/ml	99
45) DIMETHYL PHTHALATE	6.412	163	232801	47.40 ug/ml	99
46) 2,6-DinitroToluene	6.453	165	54815	48.36 ug/ml	97
47) Acenaphthylene	6.505	152	351462	46.90 ug/ml	99
48) 3-Nitroaniline	6.561	138	68163	48.68 ug/ml	99
49) Acenaphthene	6.613	154	234469	46.66 ug/ml	98
50) 2,4-Dinitrophenol	6.623	184	27787	45.42 ug/ml#	84
51) 4-Nitrophenol	6.654	109	28940	47.78 ug/ml	93
52) Dibenzofuran	6.718	168	302327	45.56 ug/ml	97
53) 2,4-Dinitrotoluene	6.703	165	73923	48.32 ug/ml	97
54) DIETHYL PHTHALATE	6.849	149	224985	48.28 ug/ml	99
55) 4-Chlorophenyl phenyl ...	6.924	204	111039	47.41 ug/ml	97
56) Flourene	6.931	166	257855	46.73 ug/ml	99
57) 4-Nitroaniline	6.939	138	72508	46.91 ug/ml	91
59) 4,6-Dinitro-2-Methylph...	6.957	198	41970	43.53 ug/ml	94
60) N-Nitrosodiphenylamine	6.996	169	173484	39.73 ug/ml	99
61) 1,2-Diphenylhydrazine	7.024	77	246175	46.91 ug/ml	95
62) 4-Bromophenyl phenyl e...	7.227	248	64447	47.52 ug/ml	96
63) Hexachlorobenzene	7.274	284	71163	47.30 ug/ml	98
64) Pentachlorophenol	7.392	266	47427	46.81 ug/ml	98
65) Pentachloronitrobenzene	7.402	295	13001	49.51 ug/ml	95
66) Phenanthrene	7.528	178	351765	44.53 ug/ml	100
67) Anthracene	7.562	178	369240	46.74 ug/ml	100
68) Carbazole	7.657	167	345968	47.14 ug/ml	99
69) Di-N-Butyl Phthalate	7.873	149	378402	52.78 ug/ml	100
70) Flouranthene	8.366	202	378572	48.49 ug/ml	99
73) Benzidine	8.467	184	142309	47.28 ug/ml	93
74) Pyrene	8.562	202	401463	44.92 ug/ml	100
75) Butylbenzyl phthalate	9.197	149	173861	53.28 ug/ml	90
76) 3,3'-Dichlorobenzidine	9.868	252	127224	49.72 ug/ml	97
77) Benzo(a)anthracene	9.902	228	388979	47.31 ug/ml	97
78) Chrysene	9.953	228	373886	46.00 ug/ml	99
79) Bis(2-ethylhexyl)phtha...	9.976	149	229132	61.28 ug/ml	99
81) Di-n-octylphthalate	11.072	149	363434	57.70 ug/ml	95
82) Benzo(b)fluoranthene	11.653	252	385612	48.94 ug/ml	94
83) Benzo(k)fluoranthene	11.704	252	394207	50.40 ug/ml	97
84) Benzo(a)pyrene	12.252	252	366047	50.12 ug/ml	95
85) Indeno(1,2,3-cd)pyrene	14.314	276	316523	48.70 ug/ml	92
86) Dibenz(a,h)anthracene	14.361	278	337137	49.35 ug/ml	94
87) Benzo(g,h,i)perylene	14.687	276	347932	48.23 ug/ml	90
89) 1,4-Dioxane	0.000		0	N.D. d	
90) Benzaldehyde	0.000		0	N.D. d	
91) Benzyl Alcohol	0.000		0	N.D. d	
93) 2,6-Dichlorophenol	0.000		0	N.D. d	
94) Caprolactam	0.000		0	N.D. d	
96) Biphenyl	0.000		0	N.D. d	
97) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D. d	
98) Atrazine	0.000		0	N.D. d	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297011.D
Acq On : 24 Oct 2025 2:39 pm
Operator : BGL
Sample : 8270std 50 ppm 25J0514 Inst : GCMSSV2
Misc :
ALS Vial : 11 Sample Multiplier: 1

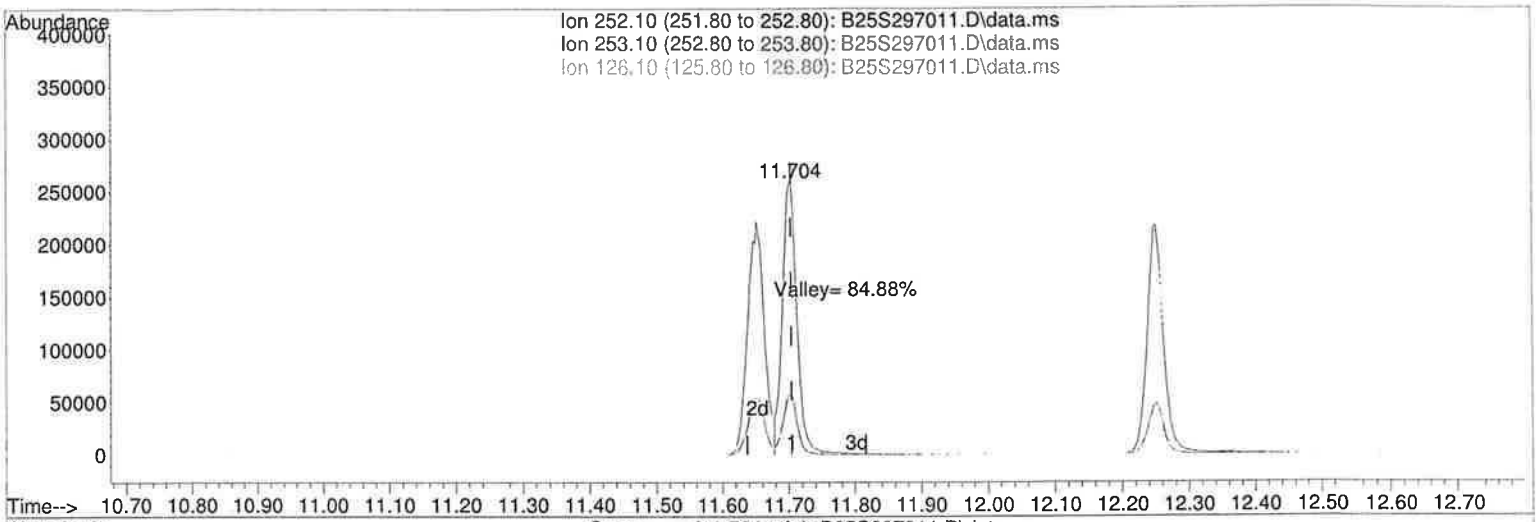
Quant Time: Nov 04 13:48:49 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:47:19 2025
Response via : Initial Calibration

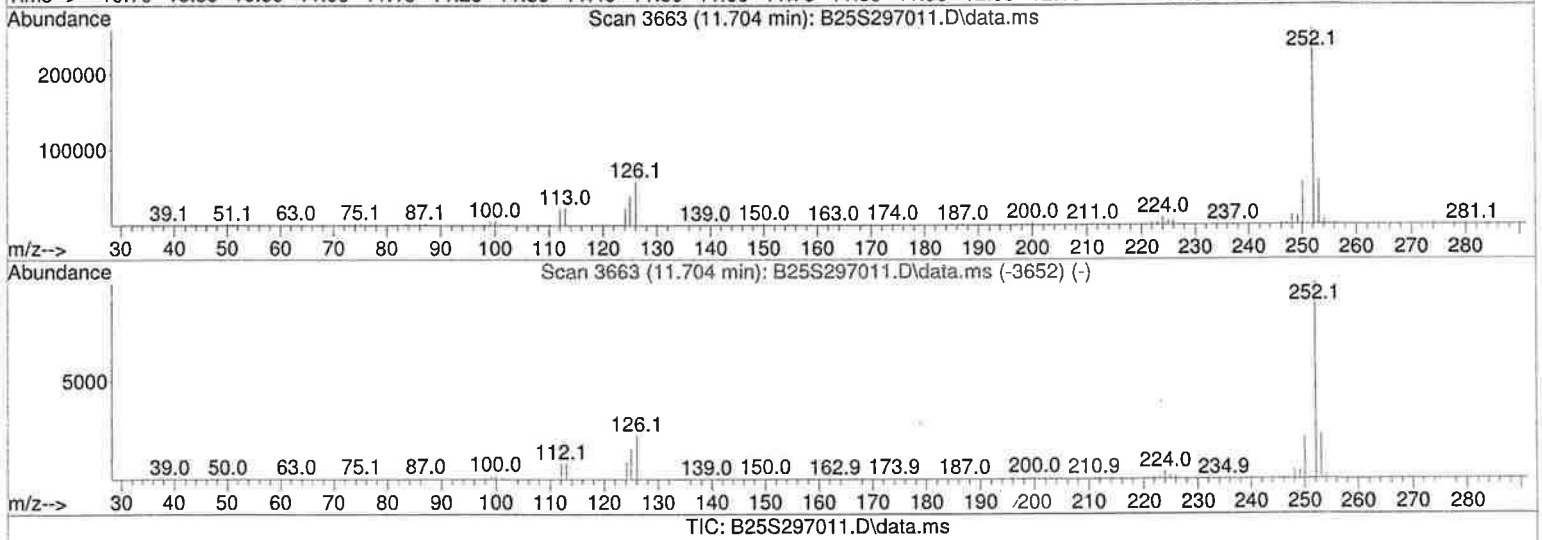


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297011.D
Acq On : 24 Oct 2025 2:39 pm
Operator : BGL
Sample : 8270std 50 ppm 25J0514 Inst : GCMSSV2
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 04 13:48:49 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:47:19 2025
Response via : Initial Calibration





TIC: B25S297011.D\data.ms

(83) Benzo(k)fluoranthene (T)

11.704min (0.000) 50.40 ug/ml

response 394207

Ion	Exp%	Act%
252.10	100.00	100.00
253.10	20.70	21.27
126.10	19.40	21.91
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297012.D
Acq On : 24 Oct 2025 3:04 pm
Operator : BGL
Sample : 8270std 80 ppm 25J0515 Inst : GCMSSV2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 04 13:52:28 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:51:17 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.702	152	62725	40.00	ug/ml	# 0.00
19) NAPHTHALENE-d8	5.504	136	255357	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	6.592	164	144353	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	7.515	188	231840	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.917	240	233617	40.00	ug/ml	0.00
80) PERYLENE-D12	12.363	264	253232	40.00	ug/ml	0.00
88) 1,4-Dichlorobenzene-D4...	0.000	152	0m	40.00	ug/ml	-4.70
92) NAPHTHALENE-d8 (2)	0.000	136	0m	40.00	ug/ml	-5.50
95) ACENAPHTHENE-D10 (2)	0.000	164	0m	40.00	ug/ml	-6.59
System Monitoring Compounds						
2) 2-Fluorophenol	3.840	112	269920	154.02	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 77.01%			
3) Phenol-d6	4.468	99	443943	153.64	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 76.82%			
20) Nitrobenzene-d5	5.054	82	195846	77.09	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 77.09%			
36) 2-Fluorobiphenyl	6.170	172	367526	77.12	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 77.12%			
37) 2,4,6-Tribromophenol	7.081	330	105864	165.13	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 82.56%			
72) p-Terphenyl-d14	8.690	244	360821	74.58	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 74.58%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.763	42	84840	75.96	ug/ml#	72
5) Pyridine	2.786	79	209285	78.89	ug/ml	94
6) Aniline	4.494	93	298988	78.14	ug/ml	100
7) Phenol	4.476	94	250182m	76.90	ug/ml	
8) Bis(2-chloroethyl)ether	4.535	63	120702	74.99	ug/ml	96
9) 2-Chlorophenol	4.568	128	193424	78.34	ug/ml	98
10) 1,3-Dichlorobenzene	4.666	146	195804	76.05	ug/ml	99
11) 1,4-Dichlorobenzene	4.715	146	201644	76.48	ug/ml	99
12) 1,2-Dichlorobenzene	4.813	146	191025	76.87	ug/ml	98
13) 2- METHYLPHENOL	4.859	108	176858	78.59	ug/ml	93
14) 2,2'-oxybis(1-chloropr...	4.874	45	194991	74.72	ug/ml#	62
15) Acetophenone	4.959	105	241207	74.58	ug/ml	99
16) 3/4- METHYLPHENOL	4.957	107	388606	155.25	ug/ml	97
17) N-Nitroso-Di-N-Propyla...	4.962	70	124998	74.45	ug/ml	95
18) Hexachloroethane	5.023	117	78389	77.61	ug/ml	96
21) NITROBENZENE	5.067	77	197024	76.94	ug/ml	98
22) Isophorone	5.216	82	327457	76.26	ug/ml	99
23) 2-Nitrophenol	5.265	139	105421	83.51	ug/ml	96
24) 2,4-Dimethylphenol	5.286	122	158530	77.76	ug/ml	97
25) Bis(2-Chloroethoxy)met...	5.345	93	213531	75.82	ug/ml	100
26) Benzoic Acid	5.347	122	109398	89.47	ug/ml	91
27) 2,4-Dichlorophenol	5.414	162	157576	81.11	ug/ml	98
28) 1,2,4-Trichlorobenzene	5.466	180	162569	78.18	ug/ml	99
29) Naphthalene	5.517	128	532234	75.79	ug/ml	100
30) 4-Chloroaniline	5.548	127	236355	78.05	ug/ml	99
31) Hexachlorobutadiene	5.592	225	84311	80.61	ug/ml	98
32) 4-Chloro-3-Methylphenol	5.841	107	160977	79.47	ug/ml	99
33) 2-MethylNaphthalene	5.944	142	367350	77.05	ug/ml	98
34) 1-Methylnaphthalene	6.008	142	346824	77.29	ug/ml	98
38) Hexachlorocyclopentadiene	6.042	237	98680	85.95	ug/ml	99
39) 1,2,4,5-Tetrachloroben...	6.049	216	162384	80.78	ug/ml	99
40) 2,4,6-Trichlorophenol	6.119	196	110985	81.59	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297012.D
Acq On : 24 Oct 2025 3:04 pm
Operator : BGL
Sample : 8270std 80 ppm 25J0515 Inst : GCMSSV2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 04 13:52:28 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:51:17 2025
Response via : Initial Calibration

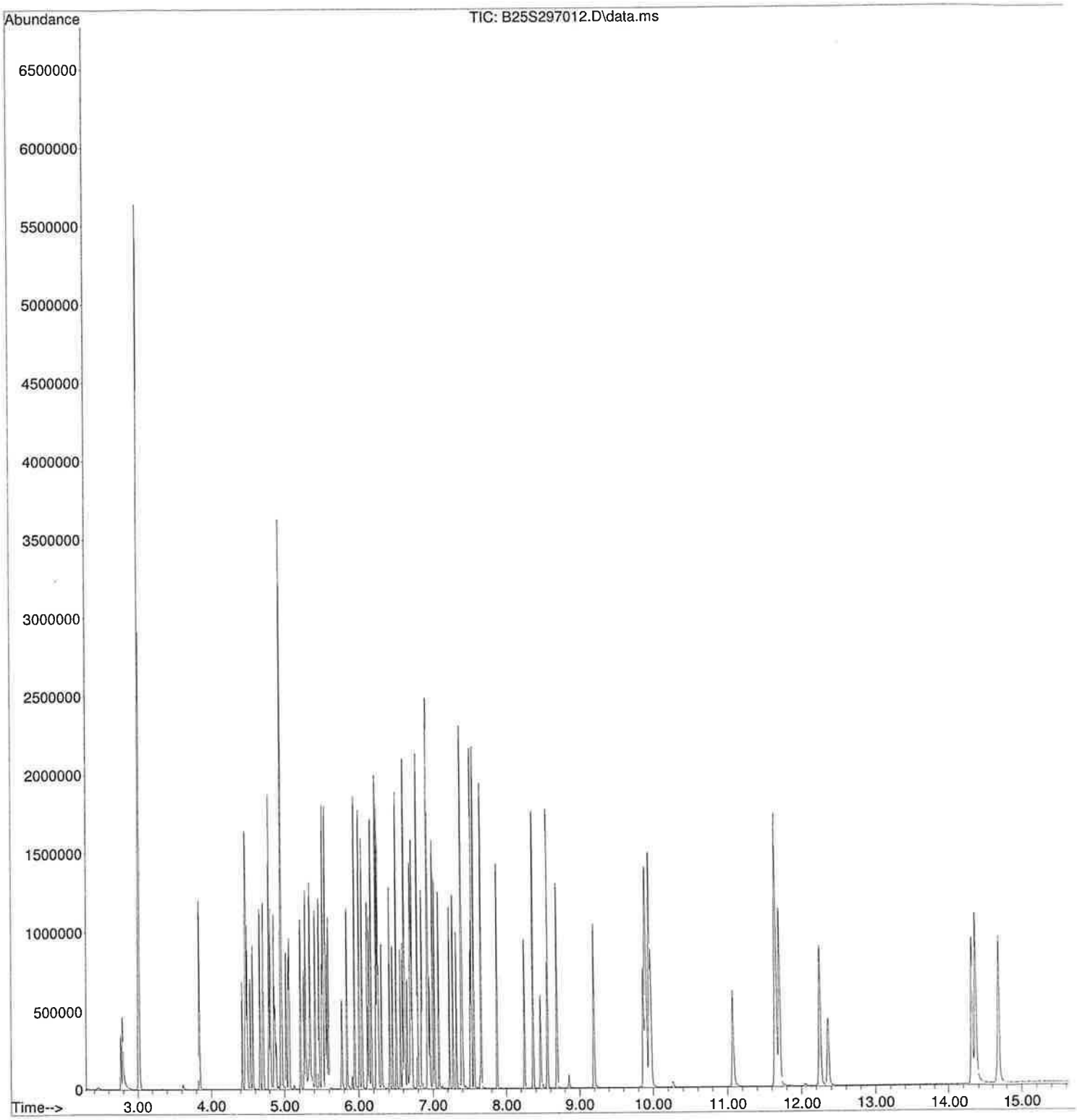
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 2,4,5-Trichlorophenol	6.142	196	115926	81.18 ug/ml	91
42) 2-ChloroNaphthalene	6.250	162	406778	79.21 ug/ml	99
43) 2-Nitroaniline	6.307	65	107579	81.77 ug/ml	98
44) 1,1-Biphenyl	6.232	154	415350	76.98 ug/ml	99
45) DIMETHYL PHTHALATE	6.415	163	354424	78.27 ug/ml	100
46) 2,6-DinitroToluene	6.456	165	86009	82.31 ug/ml	96
47) Acenaphthylene	6.507	152	542536	78.52 ug/ml	99
48) 3-Nitroaniline	6.561	138	105152	81.45 ug/ml	99
49) Acenaphthene	6.613	154	361963	78.13 ug/ml	99
50) 2,4-Dinitrophenol	6.625	184	52269	92.66 ug/ml#	92
51) 4-Nitrophenol	6.656	109	48002	85.95 ug/ml	93
52) Dibenzofuran	6.721	168	466118	76.19 ug/ml	97
53) 2,4-Dinitrotoluene	6.705	165	117246	83.12 ug/ml	98
54) DIETHYL PHTHALATE	6.849	149	327112	76.14 ug/ml	98
55) 4-Chlorophenyl phenyl ...	6.926	204	167202	77.44 ug/ml	97
56) Flourene	6.931	166	396972	78.03 ug/ml	99
57) 4-Nitroaniline	6.942	138	117048	82.13 ug/ml	87
59) 4,6-Dinitro-2-Methylph...	6.957	198	72062	76.17 ug/ml	93
60) N-Nitrosodiphenylamine	6.998	169	266990	66.69 ug/ml	98
61) 1,2-Diphenylhydrazine	7.024	77	359427	74.71 ug/ml	97
62) 4-Bromophenyl phenyl e...	7.230	248	99069	79.67 ug/ml	95
63) Hexachlorobenzene	7.276	284	112041	81.23 ug/ml	97
64) Pentachlorophenol	7.394	266	77719	83.66 ug/ml	99
65) Pentachloronitrobenzene	7.405	295	19993	83.04 ug/ml	94
66) Phenanthrene	7.531	178	546309	75.43 ug/ml	100
67) Anthracene	7.562	178	560020	77.31 ug/ml	100
68) Carbazole	7.659	167	534265	79.39 ug/ml	99
69) Di-N-Butyl Phthalate	7.875	149	516995	78.64 ug/ml	100
70) Flouranthene	8.369	202	584051	81.59 ug/ml	99
73) Benzidine	8.467	184	199461	69.13 ug/ml	94
74) Pyrene	8.562	202	626155	73.08 ug/ml	99
75) Butylbenzyl phthalate	9.197	149	247565	79.14 ug/ml	91
76) 3,3'-Dichlorobenzidine	9.871	252	205312	83.71 ug/ml	97
77) Benzo(a)anthracene	9.904	228	626891	79.54 ug/ml	97
78) Chrysene	9.956	228	611491	78.47 ug/ml	98
79) Bis(2-ethylhexyl)phtha...	9.974	149	304346	84.91 ug/ml	99
81) Di-n-octylphthalate	11.074	149	512041	82.46 ug/ml	96
82) Benzo(b)fluoranthene	11.658	252	658784	84.81 ug/ml	95
83) Benzo(k)fluoranthene	11.709	252	653658	84.77 ug/ml	96
84) Benzo(a)pyrene	12.252	252	624233	86.70 ug/ml	95
85) Indeno(1,2,3-cd)pyrene	14.320	276	543374	84.80 ug/ml	93
86) Dibenz(a,h)anthracene	14.368	278	575918	85.51 ug/ml	95
87) Benzo(g,h,i)perylene	14.693	276	581085	81.71 ug/ml	89
89) 1,4-Dioxane	0.000		0	N.D. d	
90) Benzaldehyde	0.000		0	N.D. d	
91) Benzyl Alcohol	0.000		0	N.D. d	
93) 2,6-Dichlorophenol	0.000		0	N.D. d	
94) Caprolactam	0.000		0	N.D. d	
96) Biphenyl	0.000		0	N.D. d	
97) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D. d	
98) Atrazine	0.000		0	N.D. d	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297012.D
Acq On : 24 Oct 2025 3:04 pm
Operator : BGL
Sample : 8270std 80 ppm 25J0515 Inst : GCMSSV2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 04 13:52:28 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:51:17 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297013.D
Acq On : 24 Oct 2025 3:28 pm
Operator : BGL
Sample : 8270std 100 ppm 25J0516 Inst : GCMSSV2
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 04 13:57:01 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:54:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.702	152	54291	40.00	ug/ml	# 0.00
19) NAPHTHALENE-d8	5.504	136	226173	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	6.592	164	132560	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	7.515	188	205906	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.917	240	210996	40.00	ug/ml	0.00
80) PERYLENE-D12	12.360	264	229246	40.00	ug/ml	0.00
88) 1,4-Dichlorobenzene-D4...	0.000	152	0m	40.00	ug/ml	-4.70
92) NAPHTHALENE-d8 (2)	0.000	136	0m	40.00	ug/ml	-5.50
95) ACENAPHTHENE-D10 (2)	0.000	164	0m	40.00	ug/ml	-6.59
System Monitoring Compounds						
2) 2-Fluorophenol	3.841	112	333422	219.82	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 109.91%			
3) Phenol-d6	4.468	99	542786	217.03	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 108.52%			
20) Nitrobenzene-d5	5.054	82	241220	107.20	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 107.20%			
36) 2-Fluorobiphenyl	6.170	172	462716	105.73	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 105.73%			
37) 2,4,6-Tribromophenol	7.081	330	133473	226.72	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 113.36%			
72) p-Terphenyl-d14	8.691	244	452049	103.46	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 103.46%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.763	42	101246	104.73	ug/ml#	71
5) Pyridine	2.784	79	251473	109.31	ug/ml	94
6) Aniline	4.494	93	354270	106.97	ug/ml	98
7) Phenol	4.478	94	301473m	107.06	ug/ml	
8) Bis(2-chloroethyl)ether	4.535	63	148440	106.55	ug/ml	96
9) 2-Chlorophenol	4.568	128	238099	111.41	ug/ml	99
10) 1,3-Dichlorobenzene	4.666	146	241642	108.43	ug/ml	99
11) 1,4-Dichlorobenzene	4.715	146	247085	108.27	ug/ml	98
12) 1,2-Dichlorobenzene	4.810	146	237627	110.48	ug/ml	98
13) 2- METHYLPHENOL	4.861	108	214652	110.21	ug/ml	99
14) 2,2'-oxybis(1-chloropr...	4.874	45	239471	106.02	ug/ml	97
15) Acetophenone	4.959	105	297046	106.12	ug/ml	98
16) 3/4- METHYLPHENOL	4.959	107	469722	216.81	ug/ml	97
17) N-Nitroso-Di-N-Propyla...	4.962	70	152531	104.96	ug/ml	95
18) Hexachloroethane	5.023	117	96839	110.76	ug/ml	95
21) NITROBENZENE	5.067	77	242353	106.87	ug/ml	98
22) Isophorone	5.216	82	406085	106.77	ug/ml	99
23) 2-Nitrophenol	5.265	139	130060	116.32	ug/ml	96
24) 2,4-Dimethylphenol	5.286	122	198406	109.87	ug/ml	97
25) Bis(2-Chloroethoxy)met...	5.345	93	266948	107.02	ug/ml	99
26) Benzoic Acid	5.355	122	145062m	133.95	ug/ml	
27) 2,4-Dichlorophenol	5.414	162	196344	114.11	ug/ml	98
28) 1,2,4-Trichlorobenzene	5.468	180	203168	110.31	ug/ml	99
29) Naphthalene	5.517	128	656394	105.53	ug/ml	100
30) 4-Chloroaniline	5.548	127	290192	108.19	ug/ml	99
31) Hexachlorobutadiene	5.592	225	103709	111.95	ug/ml	100
32) 4-Chloro-3-Methylphenol	5.844	107	204181	113.80	ug/ml	99
33) 2-MethylNaphthalene	5.947	142	457688	108.37	ug/ml	99
34) 1-Methylnaphthalene	6.008	142	436968	109.94	ug/ml	98
38) Hexachlorocyclopentadiene	6.042	237	126200	119.70	ug/ml	99
39) 1,2,4,5-Tetrachloroben...	6.050	216	206647	111.94	ug/ml	99
40) 2,4,6-Trichlorophenol	6.119	196	141760	113.49	ug/ml	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297013.D
Acq On : 24 Oct 2025 3:28 pm
Operator : BGL
Sample : 8270std 100 ppm 25J0516 Inst : GCMSSV2
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 04 13:57:01 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:54:46 2025
Response via : Initial Calibration

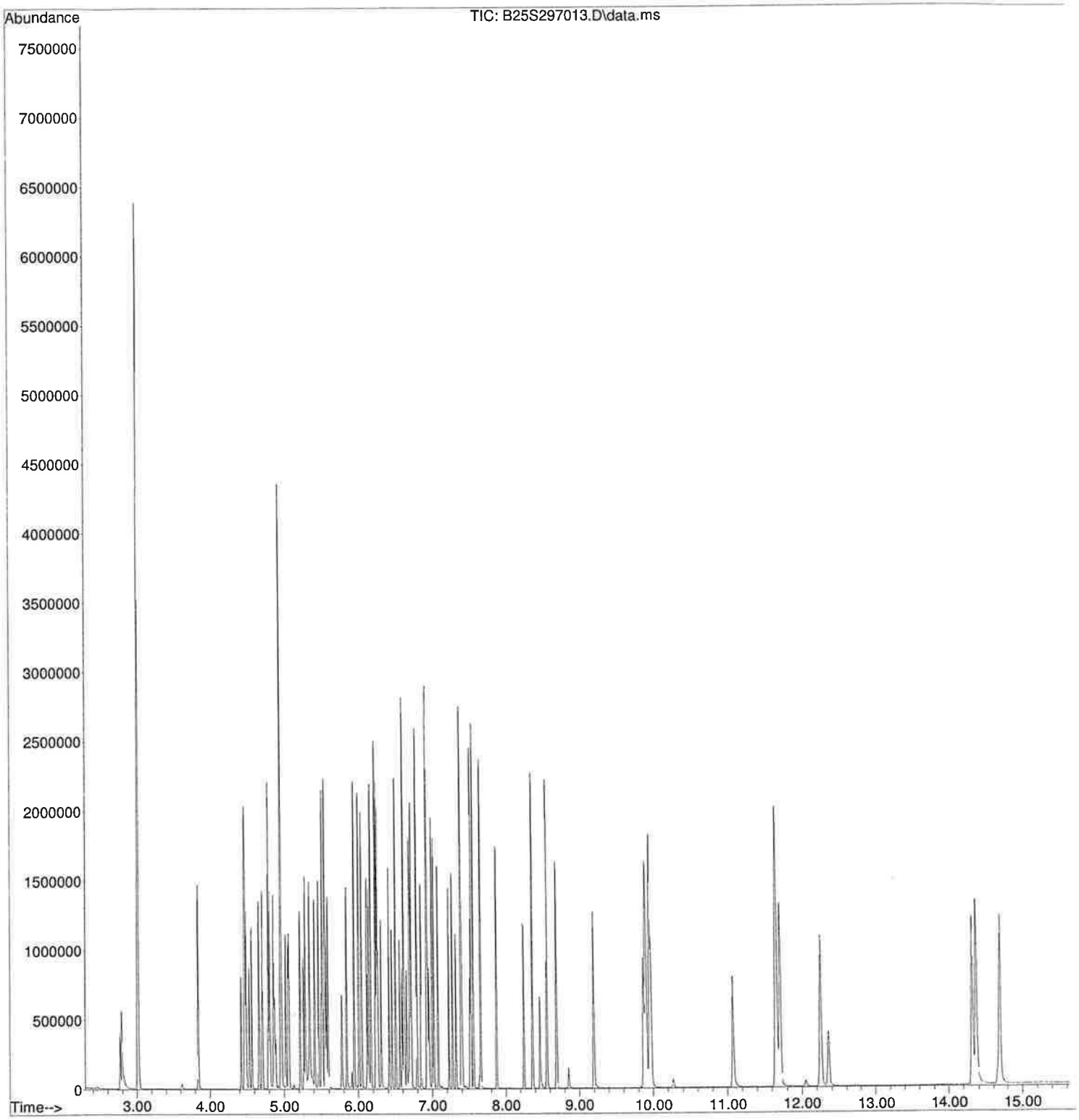
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 2,4,5-Trichlorophenol	6.142	196	149170	113.79 ug/ml	92
42) 2-ChloroNaphthalene	6.250	162	502934	106.64 ug/ml	97
43) 2-Nitroaniline	6.309	65	133391	110.41 ug/ml	98
44) 1,1-Biphenyl	6.232	154	526730	106.30 ug/ml	100
45) DIMETHYL PHTHALATE	6.415	163	437973	105.32 ug/ml	100
46) 2,6-DinitroToluene	6.456	165	108941	113.53 ug/ml	94
47) Acenaphthylene	6.507	152	684358	107.86 ug/ml	99
48) 3-Nitroaniline	6.561	138	128414	108.32 ug/ml	98
49) Acenaphthene	6.613	154	457705	107.58 ug/ml	99
50) 2,4-Dinitrophenol	6.626	184	66110	127.63 ug/ml#	93
51) 4-Nitrophenol	6.656	109	59374	115.77 ug/ml	92
52) Dibenzofuran	6.721	168	586002	104.31 ug/ml	97
53) 2,4-Dinitrotoluene	6.705	165	142653	110.13 ug/ml	98
54) DIETHYL PHTHALATE	6.852	149	403426	102.25 ug/ml	98
55) 4-Chlorophenyl phenyl ...	6.926	204	212362	107.10 ug/ml	96
56) Flourene	6.932	166	491739	105.26 ug/ml	99
57) 4-Nitroaniline	6.944	138	145317	111.04 ug/ml	88
59) 4,6-Dinitro-2-Methylph...	6.960	198	90479	105.15 ug/ml	94
60) N-Nitrosodiphenylamine	6.998	169	328353	92.35 ug/ml	99
61) 1,2-Diphenylhydrazine	7.024	77	442800	103.63 ug/ml	96
62) 4-Bromophenyl phenyl e...	7.230	248	124665	112.88 ug/ml	93
63) Hexachlorobenzene	7.276	284	139885	114.19 ug/ml	95
64) Pentachlorophenol	7.394	266	100766	122.13 ug/ml	99
65) Pentachloronitrobenzene	7.402	295	24963	116.74 ug/ml	93
66) Phenanthrene	7.531	178	659121	102.47 ug/ml	99
67) Anthracene	7.562	178	683674	106.27 ug/ml	99
68) Carbazole	7.659	167	662117	110.78 ug/ml	99
69) Di-N-Butyl Phthalate	7.873	149	639547	109.54 ug/ml	99
70) Flouranthene	8.367	202	734570	115.54 ug/ml	100
73) Benzidine	8.467	184	228409	87.65 ug/ml	94
74) Pyrene	8.565	202	784523	101.38 ug/ml	99
75) Butylbenzyl phthalate	9.197	149	307900	108.98 ug/ml	91
76) 3,3'-Dichlorobenzidine	9.871	252	257245	116.13 ug/ml	97
77) Benzo(a)anthracene	9.902	228	788930	110.83 ug/ml	96
78) Chrysene	9.956	228	758720	107.80 ug/ml	97
79) Bis(2-ethylhexyl)phtha...	9.976	149	374367	115.65 ug/ml	99
81) Di-n-octylphthalate	11.074	149	637981	113.49 ug/ml	96
82) Benzo(b)fluoranthene	11.663	252	836572	118.97 ug/ml	95
83) Benzo(k)fluoranthene	11.712	252	824203	118.07 ug/ml	97
84) Benzo(a)pyrene	12.260	252	782461	120.05 ug/ml	95
85) Indeno(1,2,3-cd)pyrene	14.320	276	701304	120.90 ug/ml	93
86) Dibenz(a,h)anthracene	14.371	278	738296	121.09 ug/ml	95
87) Benzo(g,h,i)perylene	14.698	276	757074	117.60 ug/ml	91
89) 1,4-Dioxane	0.000		0	N.D. d	
90) Benzaldehyde	0.000		0	N.D. d	
91) Benzyl Alcohol	0.000		0	N.D. d	
93) 2,6-Dichlorophenol	0.000		0	N.D. d	
94) Caprolactam	0.000		0	N.D. d	
96) Biphenyl	0.000		0	N.D. d	
97) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D. d	
98) Atrazine	0.000		0	N.D. d	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297013.D
Acq On : 24 Oct 2025 3:28 pm
Operator : BGL
Sample : 8270std 100 ppm 25J0516 Inst : GCMSSV2
Misc :
ALS Vial : 13 Sample Multiplier: 1

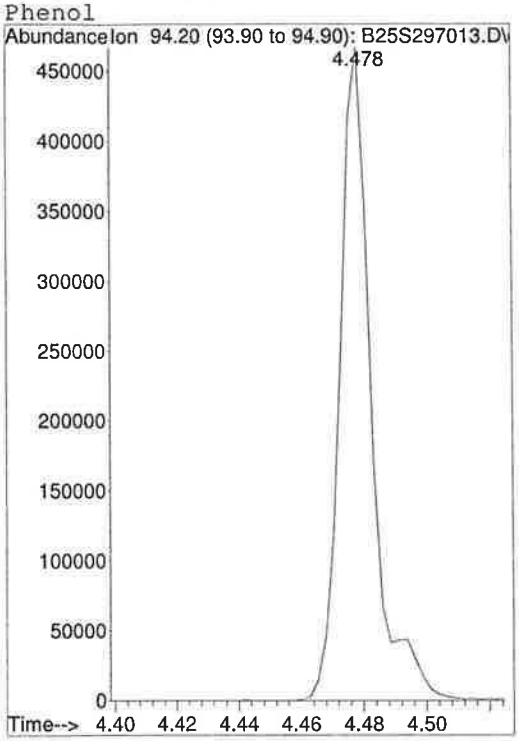
Quant Time: Nov 04 13:57:01 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 13:54:46 2025
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297013.D
Acq On : 24 Oct 2025 3:28 pm
Operator : BGL
Sample : 8270std 100 ppm 25J0516
Misc :

Quant Time : Tue Nov 04 14:08:46 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Tue Nov 04 13:54:46 2025

Original Integration
Phenol



Original Int. Results

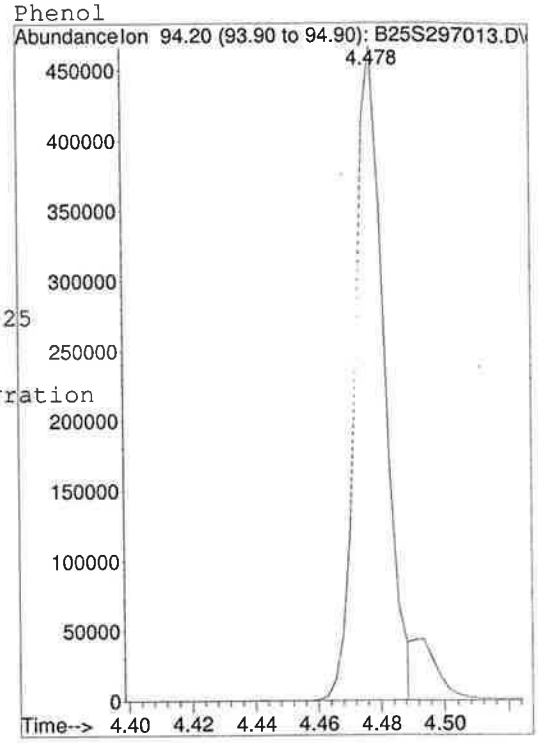
RT : 4.48
Area : 325059
Amount: 115.435

Manual Int. Results

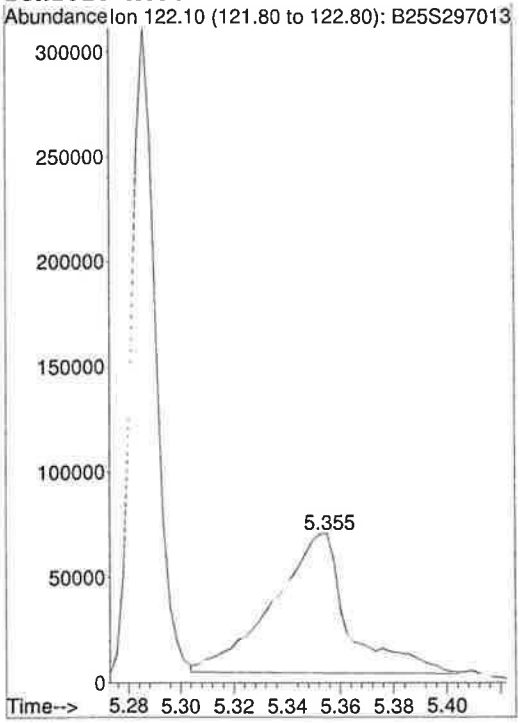
Tue Nov 04 14:06:34 2025

MIuser: bgl
Reason: Incorret Integration
RT : 4.48
Area : 301473
Amount: 107.059

Manual Integration
Phenol



Original Integration
Benzoic Acid



Original Int. Results

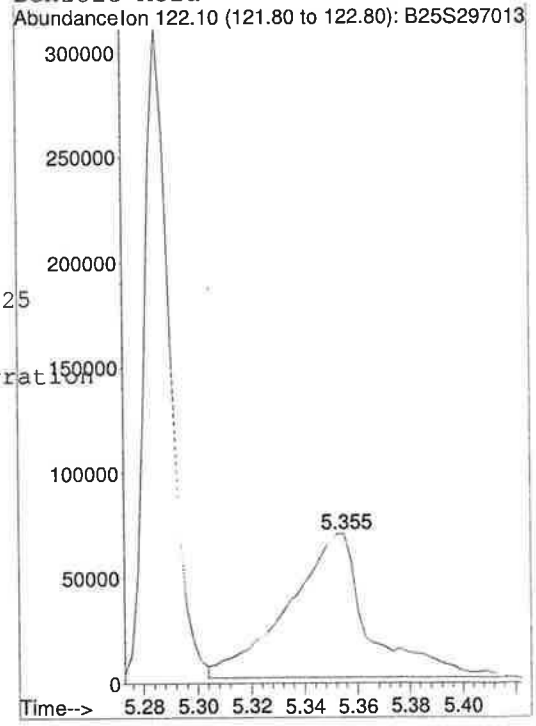
RT : 5.36
Area : 130621
Amount: 120.614

Manual Int. Results

Tue Nov 04 13:57:59 2025

MIuser: bgl
Reason: Incorret Integration
RT : 5.36
Area : 145062
Amount: 133.948

Manual Integration
Benzoic Acid



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297014.D
Acq On : 24 Oct 2025 3:53 pm
Operator : BGL
Sample : 8270std 120ppm 25J0517 Inst : GCMSSV2
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 04 14:12:22 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 14:09:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.702	152	52447	40.00	ug/ml	# 0.00
19) NAPHTHALENE-d8	5.504	136	224851	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	6.592	164	133676	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	7.515	188	216468	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.920	240	222361	40.00	ug/ml	0.00
80) PERYLENE-D12	12.363	264	226415	40.00	ug/ml	0.00
88) 1,4-Dichlorobenzene-D4...	0.000	152	0m	40.00	ug/ml	-4.70
92) NAPHTHALENE-d8 (2)	0.000	136	0m	40.00	ug/ml	-5.50
95) ACENAPHTHENE-D10 (2)	0.000	164	0m	40.00	ug/ml	-6.59
System Monitoring Compounds						
2) 2-Fluorophenol	3.843	112	386495	263.76	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 131.88%#			
3) Phenol-d6	4.471	99	624334	258.41	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 129.21%			
20) Nitrobenzene-d5	5.057	82	278380	124.41	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 124.41%			
36) 2-Fluorobiphenyl	6.170	172	534208	121.05	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 121.05%			
37) 2,4,6-Tribromophenol	7.083	330	163606	275.58	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 137.79%#			
72) p-Terphenyl-d14	8.693	244	563747	122.43	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 122.43%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.766	42	116489	124.73	ug/ml#	70
5) Pyridine	2.786	79	289764	130.20	ug/ml	93
6) Aniline	4.494	93	406828	127.15	ug/ml#	97
7) Phenol	4.478	94	355647m	133.32	ug/ml	
8) Bis(2-chloroethyl)ether	4.538	63	169892	126.24	ug/ml	96
9) 2-Chlorophenol	4.571	128	278008	134.66	ug/ml	99
10) 1,3-Dichlorobenzene	4.669	146	277368	128.84	ug/ml	99
11) 1,4-Dichlorobenzene	4.715	146	284672	129.13	ug/ml	98
12) 1,2-Dichlorobenzene	4.813	146	272020	130.91	ug/ml	98
13) 2- METHYLPHENOL	4.862	108	251677	133.76	ug/ml	99
14) 2,2'-oxybis(1-chloropr...	4.874	45	271574m	124.46	ug/ml	
15) Acetophenone	4.959	105	336235	124.34	ug/ml	98
16) 3/4- METHYLPHENOL	4.959	107	535994	256.09	ug/ml	97
17) N-Nitroso-Di-N-Propyla...	4.964	70	172148	122.62	ug/ml	95
18) Hexachloroethane	5.024	117	111121	131.57	ug/ml	94
21) NITROBENZENE	5.067	77	279735	124.08	ug/ml	99
22) Isophorone	5.216	82	472003	124.83	ug/ml	99
23) 2-Nitrophenol	5.265	139	150879	135.74	ug/ml	96
24) 2,4-Dimethylphenol	5.286	122	233252	129.89	ug/ml	95
25) Bis(2-Chloroethoxy)met...	5.345	93	303411	122.36	ug/ml	98
26) Benzoic Acid	5.358	122	176282m	159.85	ug/ml	
27) 2,4-Dichlorophenol	5.414	162	228035	133.30	ug/ml	98
28) 1,2,4-Trichlorobenzene	5.468	180	234588	128.12	ug/ml	99
29) Naphthalene	5.517	128	758954	122.74	ug/ml	99
30) 4-Chloroaniline	5.548	127	326015	122.25	ug/ml	99
31) Hexachlorobutadiene	5.592	225	122740	133.27	ug/ml	100
32) 4-Chloro-3-Methylphenol	5.844	107	234288	131.32	ug/ml	99
33) 2-MethylNaphthalene	5.947	142	527819	125.71	ug/ml	99
34) 1-Methylnaphthalene	6.008	142	504181	127.60	ug/ml	98
38) Hexachlorocyclopentadiene	6.042	237	149410	140.53	ug/ml	100
39) 1,2,4,5-Tetrachloroben...	6.050	216	237528	127.59	ug/ml	98
40) 2,4,6-Trichlorophenol	6.119	196	168676	133.91	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297014.D
Acq On : 24 Oct 2025 3:53 pm
Operator : BGL
Sample : 8270std 120ppm 25J0517 Inst : GCMSSV2
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 04 14:12:22 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 14:09:04 2025
Response via : Initial Calibration

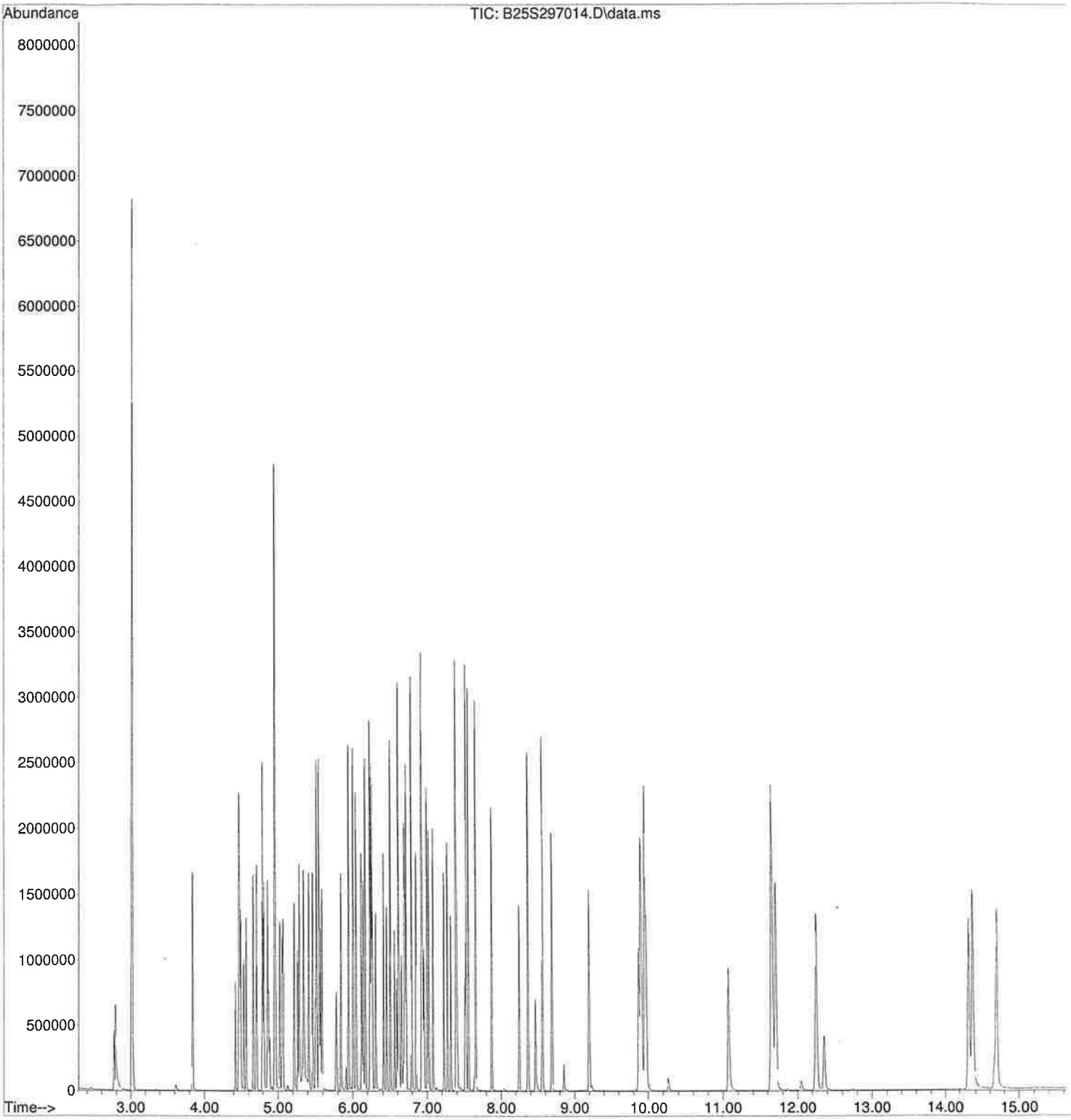
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 2,4,5-Trichlorophenol	6.142	196	174531	132.02 ug/ml	92
42) 2-ChloroNaphthalene	6.250	162	581853	122.35 ug/ml	99
43) 2-Nitroaniline	6.309	65	155745	127.84 ug/ml	97
44) 1,1-Biphenyl	6.235	154	609129	121.91 ug/ml	99
45) DIMETHYL PHTHALATE	6.415	163	521413	124.34 ug/ml	100
46) 2,6-DinitroToluene	6.456	165	130165	134.51 ug/ml	94
47) Acenaphthylene	6.507	152	790152	123.49 ug/ml	98
48) 3-Nitroaniline	6.561	138	151823	126.99 ug/ml	97
49) Acenaphthene	6.613	154	531298	123.84 ug/ml	99
50) 2,4-Dinitrophenol	6.626	184	87694	167.88 ug/ml#	91
51) 4-Nitrophenol	6.657	109	72573	140.33 ug/ml	95
52) Dibenzofuran	6.721	168	678372	119.74 ug/ml	97
53) 2,4-Dinitrotoluene	6.705	165	176665	135.25 ug/ml	95
54) DIETHYL PHTHALATE	6.852	149	486508	122.28 ug/ml	98
55) 4-Chlorophenyl phenyl ...	6.927	204	251223	125.64 ug/ml	96
56) Flourene	6.934	166	580149	123.14 ug/ml	98
57) 4-Nitroaniline	6.945	138	175195	132.75 ug/ml	88
59) 4,6-Dinitro-2-Methylph...	6.960	198	114059	124.86 ug/ml	95
60) N-Nitrosodiphenylamine	6.999	169	396030	105.95 ug/ml	99
61) 1,2-Diphenylhydrazine	7.024	77	520248	115.81 ug/ml	96
62) 4-Bromophenyl phenyl e...	7.230	248	150559	129.68 ug/ml	95
63) Hexachlorobenzene	7.276	284	170718	132.55 ug/ml	95
64) Pentachlorophenol	7.395	266	125293	144.45 ug/ml	98
65) Pentachloronitrobenzene	7.405	295	31505	140.15 ug/ml	92
66) Phenanthrene	7.531	178	806648	119.29 ug/ml	99
67) Anthracene	7.564	178	836182	123.63 ug/ml	99
68) Carbazole	7.659	167	809463	128.83 ug/ml	99
69) Di-N-Butyl Phthalate	7.875	149	788111	128.40 ug/ml	99
70) Flouranthene	8.369	202	902349	135.01 ug/ml	99
73) Benzidine	8.467	184	239114	87.07 ug/ml	94
74) Pyrene	8.565	202	959044	117.60 ug/ml	99
75) Butylbenzyl phthalate	9.200	149	382731	128.55 ug/ml	91
76) 3,3'-Dichlorobenzidine	9.874	252	293108	125.55 ug/ml	99
77) Benzo(a)anthracene	9.904	228	948650	126.46 ug/ml	96
78) Chrysene	9.958	228	920131	124.06 ug/ml	98
79) Bis(2-ethylhexyl)phtha...	9.976	149	464786	136.24 ug/ml	99
81) Di-n-octylphthalate	11.077	149	780035	140.50 ug/ml	96
82) Benzo(b)fluoranthene	11.666	252	976143	140.55 ug/ml	95
83) Benzo(k)fluoranthene	11.717	252	954750	138.48 ug/ml	96
84) Benzo(a)pyrene	12.263	252	908195	141.08 ug/ml	95
85) Indeno(1,2,3-cd)pyrene	14.322	276	801819	139.96 ug/ml	94
86) Dibenz(a,h)anthracene	14.371	278	840810	139.63 ug/ml	96
87) Benzo(g,h,i)perylene	14.700	276	860846	135.39 ug/ml	91
89) 1,4-Dioxane	0.000		0	N.D. d	
90) Benzaldehyde	0.000		0	N.D. d	
91) Benzyl Alcohol	0.000		0	N.D. d	
93) 2,6-Dichlorophenol	0.000		0	N.D. d	
94) Caprolactam	0.000		0	N.D. d	
96) Biphenyl	0.000		0	N.D. d	
97) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D. d	
98) Atrazine	0.000		0	N.D. d	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297014.D
Acq On : 24 Oct 2025 3:53 pm
Operator : BGL
Sample : 8270std 120ppm 25J0517 Inst : GCMSSV2
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 04 14:12:22 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 14:09:04 2025
Response via : Initial Calibration

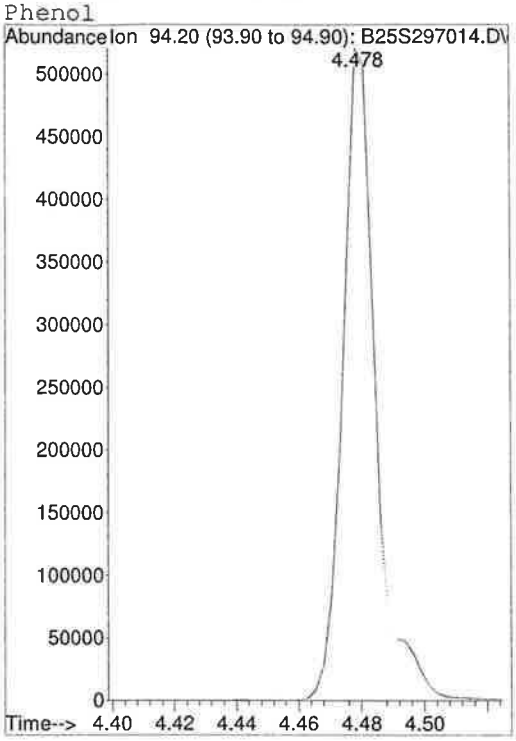


Manual Integration Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297014.D
Acq On : 24 Oct 2025 3:53 pm
Operator : BGL
Sample : 8270std 120ppm 25J0517
Misc :

Quant Time : Tue Nov 04 14:13:57 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Tue Nov 04 14:09:04 2025

Original Integration
Phenol



Original Int. Results

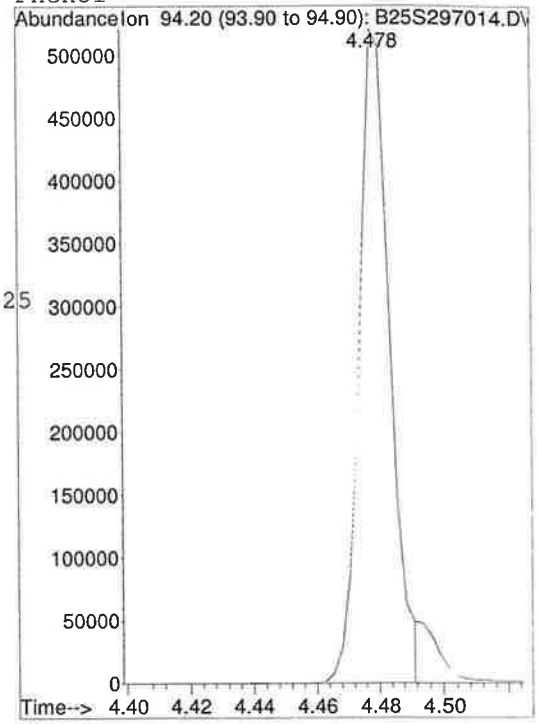
RT : 4.48
Area : 376547
Amount: 141.15

Manual Int. Results

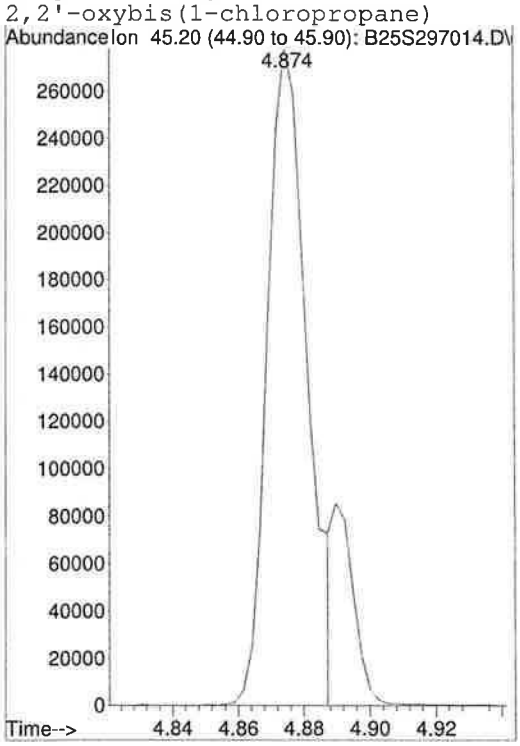
Tue Nov 04 14:12:34 2025

MIuser: bgl
Reason: Other
RT : 4.48
Area : 355647
Amount: 133.316

Manual Integration
Phenol



Original Integration
2,2'-oxybis(1-chloropropane)



Original Int. Results

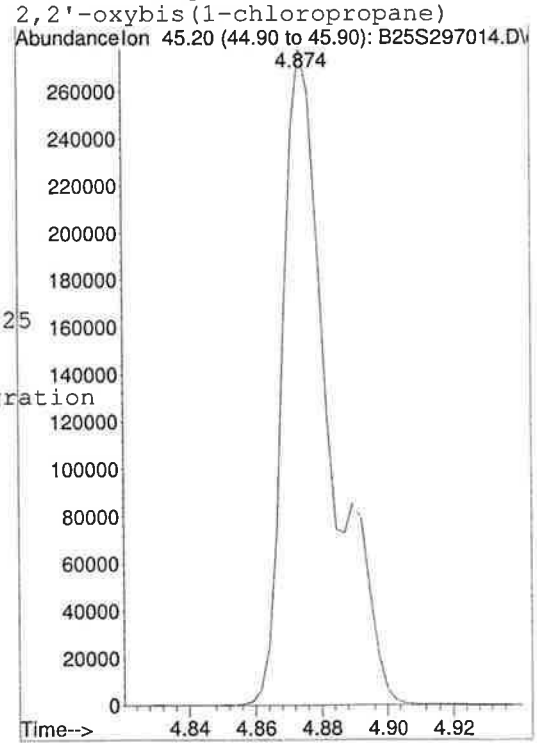
RT : 4.87
Area : 234177
Amount: 107.324

Manual Int. Results

Tue Nov 04 14:12:45 2025

MIuser: bgl
Reason: Incorret Integration
RT : 4.87
Area : 271574
Amount: 124.463

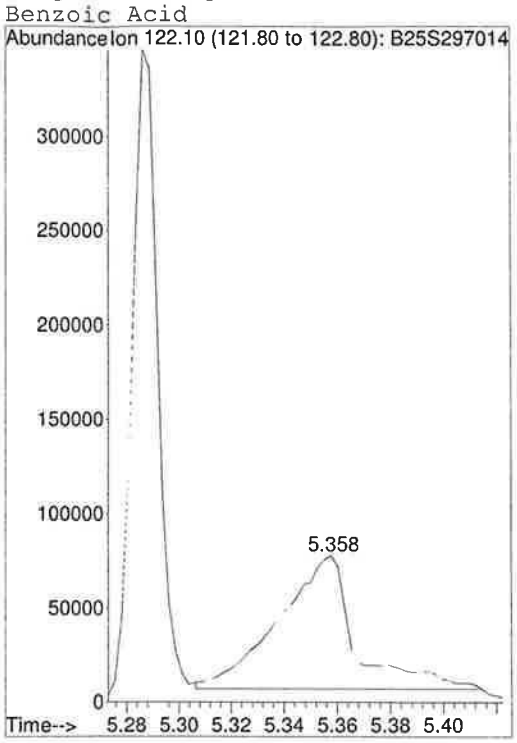
Manual Integration
2,2'-oxybis(1-chloropropane)



Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297014.D
Acq On : 24 Oct 2025 3:53 pm
Operator : BGL
Sample : 8270std 120ppm 25J0517
Misc :

Quant Time : Tue Nov 04 14:13:57 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Tue Nov 04 14:09:04 2025

Original Integration
Benzoic Acid



Original Int. Results

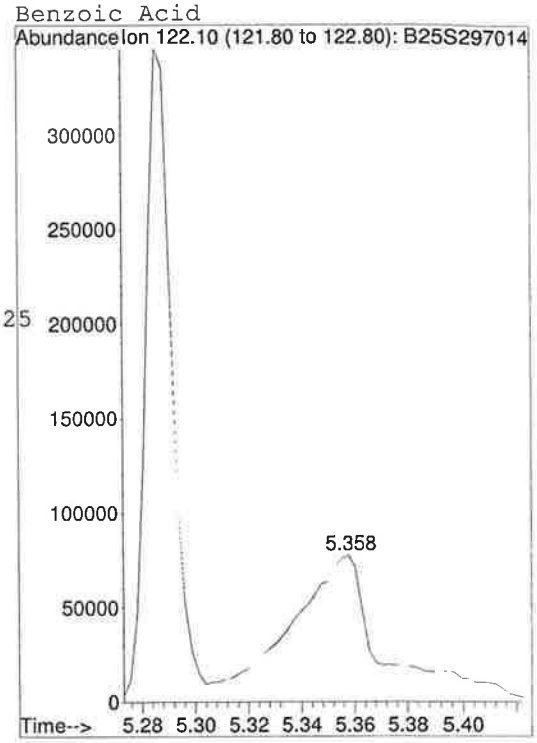
RT : 5.36
Area : 143292
Amount: 129.935

Manual Int. Results

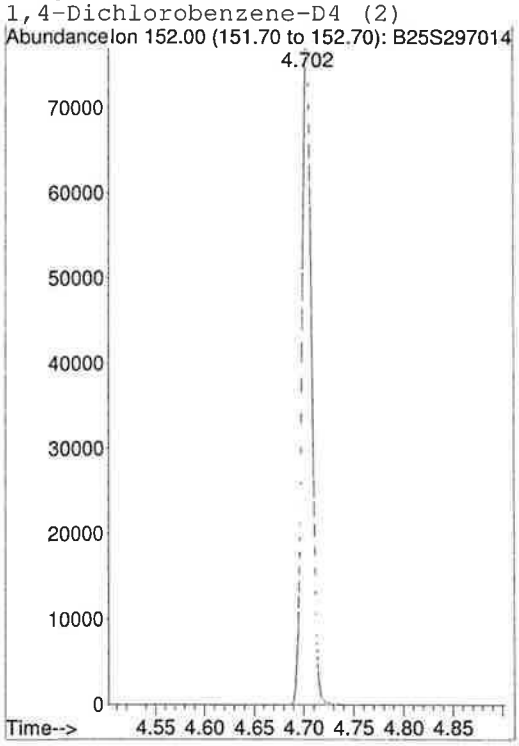
Tue Nov 04 14:13:05 2025

MIuser: bgl
Reason: Other
RT : 5.36
Area : 176282
Amount: 159.85

Manual Integration
Benzoic Acid



Original Integration
1,4-Dichlorobenzene-D4 (2)



Original Int. Results

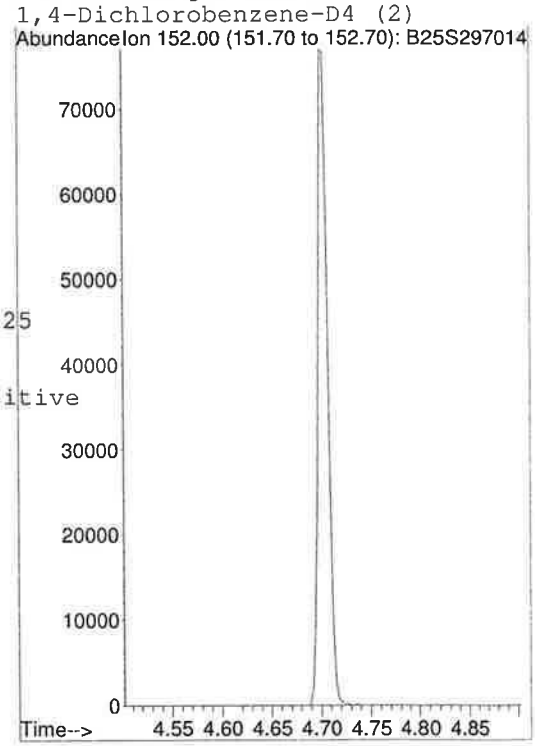
RT : 4.70
Area : 52447
Amount: 40

Manual Int. Results

Tue Nov 04 14:13:57 2025

MIuser: bgl
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

Manual Integration
1,4-Dichlorobenzene-D4 (2)



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297015.D
Acq On : 24 Oct 2025 4:17 pm
Operator : BGL
Sample : 8270std 160ppm 25J0509 Inst : GCMSSV2
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 04 14:15:38 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 14:14:05 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.705	152	50023	40.00	ug/ml	# 0.00
19) NAPHTHALENE-d8	5.504	136	207836	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	6.595	164	115480	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	7.515	188	184574	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.920	240	192426	40.00	ug/ml	0.00
80) PERYLENE-D12	12.365	264	197909	40.00	ug/ml	0.00
88) 1,4-Dichlorobenzene-D4...	4.705	152	50023	40.00	ug/ml	# 0.00
92) NAPHTHALENE-d8 (2)	5.504	136	207836	40.00	ug/ml	0.00
95) ACENAPHTHENE-D10 (2)	6.595	164	115131	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	3.843	112	492349	352.29	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery	= 176.15%#		
3) Phenol-d6	4.473	99	782097	339.39	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery	= 169.69%#		
20) Nitrobenzene-d5	5.057	82	357550	172.87	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery	= 172.87%#		
36) 2-Fluorobiphenyl	6.170	172	672067	176.29	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery	= 176.29%#		
37) 2,4,6-Tribromophenol	7.083	330	204260	398.27	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery	= 199.13%#		
72) p-Terphenyl-d14	8.693	244	704837	176.88	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery	= 176.88%#		
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.766	42	149684	168.04	ug/ml#	72
5) Pyridine	2.784	79	376823	177.15	ug/ml	93
6) Aniline	4.494	93	495876	162.49	ug/ml#	99
7) Phenol	4.481	94	469772	186.15	ug/ml	96
8) Bis(2-chloroethyl)ether	4.537	63	214150	166.84	ug/ml	99
9) 2-Chlorophenol	4.571	128	352885	179.21	ug/ml	99
10) 1,3-Dichlorobenzene	4.669	146	357632	174.17	ug/ml	99
11) 1,4-Dichlorobenzene	4.715	146	366897	174.49	ug/ml	99
12) 1,2-Dichlorobenzene	4.813	146	348849	176.02	ug/ml	99
13) 2- METHYLPHENOL	4.862	108	315924	176.04	ug/ml	99
14) 2,2'-oxybis(1-chloropr...	4.874	45	338207	162.53	ug/ml	97
15) Acetophenone	4.962	105	412053	159.76	ug/ml	98
16) 3/4- METHYLPHENOL	4.962	107	652640	326.93	ug/ml	97
17) N-Nitroso-Di-N-Propyla...	4.967	70	213437	159.40	ug/ml	95
18) Hexachloroethane	5.026	117	143119	177.67	ug/ml	94
21) NITROBENZENE	5.070	77	352212	169.02	ug/ml	99
22) Isophorone	5.219	82	589643	168.71	ug/ml	99
23) 2-Nitrophenol	5.265	139	193221	188.06	ug/ml	96
24) 2,4-Dimethylphenol	5.288	122	288987	174.10	ug/ml	96
25) Bis(2-Chloroethoxy)met...	5.348	93	379887	165.74	ug/ml	98
26) Benzoic Acid	5.407	122	6454	5.97	ug/ml	98
27) 2,4-Dichlorophenol	5.417	162	289328	182.98	ug/ml	98
28) 1,2,4-Trichlorobenzene	5.468	180	299862	177.18	ug/ml	99
29) Naphthalene	5.517	128	949419	166.11	ug/ml	99
30) 4-Chloroaniline	5.551	127	373285	151.44	ug/ml	99
31) Hexachlorobutadiene	5.592	225	156931	184.35	ug/ml	99
32) 4-Chloro-3-Methylphenol	5.846	107	290325	176.04	ug/ml	98
33) 2-MethylNaphthalene	5.947	142	657636	169.44	ug/ml	99
34) 1-Methylnaphthalene	6.008	142	628444	172.07	ug/ml	99
38) Hexachlorocyclopentadiene	6.044	237	191882	208.92	ug/ml	99
39) 1,2,4,5-Tetrachloroben...	6.052	216	304334	189.24	ug/ml	99
40) 2,4,6-Trichlorophenol	6.119	196	209492	192.51	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297015.D
Acq On : 24 Oct 2025 4:17 pm
Operator : BGL
Sample : 8270std 160ppm 25J0509 Inst : GCMSSV2
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 04 14:15:38 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 14:14:05 2025
Response via : Initial Calibration

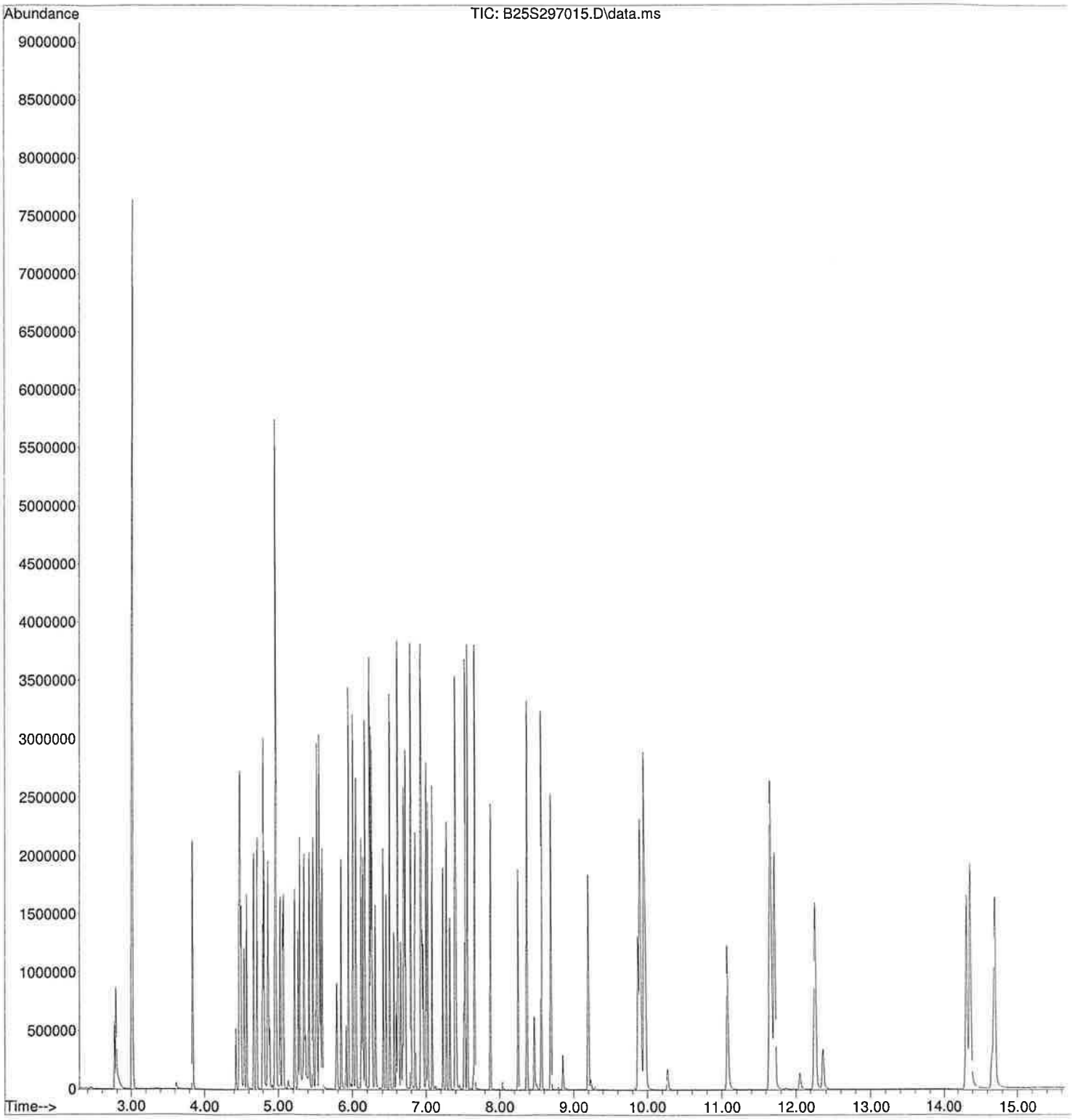
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 2,4,5-Trichlorophenol	6.145	196	217826	190.77 ug/ml	91
42) 2-ChloroNaphthalene	6.250	162	695527	169.29 ug/ml	99
43) 2-Nitroaniline	6.309	65	191847	182.29 ug/ml	97
44) 1,1-Biphenyl	6.235	154	759583	175.97 ug/ml	99
45) DIMETHYL PHTHALATE	6.417	163	629853	173.87 ug/ml	99
46) 2,6-DinitroToluene	6.458	165	159410	190.69 ug/ml	94
47) Acenaphthylene	6.507	152	963735	174.36 ug/ml	97
48) 3-Nitroaniline	6.564	138	174147	168.62 ug/ml	97
49) Acenaphthene	6.615	154	651251	175.71 ug/ml	99
50) 2,4-Dinitrophenol	6.628	184	111006	245.99 ug/ml#	88
51) 4-Nitrophenol	6.659	109	88523	198.14 ug/ml	95
52) Dibenzofuran	6.721	168	836900	171.00 ug/ml	97
53) 2,4-Dinitrotoluene	6.708	165	217269	192.54 ug/ml	94
54) DIETHYL PHTHALATE	6.852	149	585930	170.47 ug/ml	98
55) 4-Chlorophenyl phenyl ...	6.926	204	305749	177.01 ug/ml	96
56) Flourene	6.934	166	706587	173.62 ug/ml	98
57) 4-Nitroaniline	6.947	138	211462	185.48 ug/ml	93
59) 4,6-Dinitro-2-Methylph...	6.962	198	144533	182.58 ug/ml	95
60) N-Nitrosodiphenylamine	7.001	169	479994	150.60 ug/ml	98
61) 1,2-Diphenylhydrazine	7.027	77	625306	163.25 ug/ml	95
62) 4-Bromophenyl phenyl e...	7.230	248	182997	184.85 ug/ml	94
63) Hexachlorobenzene	7.276	284	209647	190.91 ug/ml	95
64) Pentachlorophenol	7.394	266	157019	212.31 ug/ml	99
65) Pentachloronitrobenzene	7.405	295	39384	205.47 ug/ml	90
66) Phenanthrene	7.531	178	983754	170.62 ug/ml	99
67) Anthracene	7.564	178	1015740	176.13 ug/ml	98
68) Carbazole	7.662	167	996037	185.91 ug/ml	99
69) Di-N-Butyl Phthalate	7.875	149	936129	178.86 ug/ml	99
70) Flouranthene	8.372	202	1116935	195.99 ug/ml	99
73) Benzidine	8.469	184	222783	93.74 ug/ml	94
74) Pyrene	8.567	202	1182082	167.49 ug/ml	98
75) Butylbenzyl phthalate	9.202	149	474143	184.02 ug/ml	92
76) 3,3'-Dichlorobenzidine	9.879	252	346030	171.28 ug/ml	98
77) Benzo(a)anthracene	9.909	228	1201167	185.03 ug/ml	96
78) Chrysene	9.961	228	1168186	182.00 ug/ml	97
79) Bis(2-ethylhexyl)phtha...	9.976	149	561229	190.10 ug/ml	99
81) Di-n-octylphthalate	11.080	149	966681	199.20 ug/ml	97
82) Benzo(b)fluoranthene	11.668	252	1267723	208.83 ug/ml	95
83) Benzo(k)fluoranthene	11.722	252	1210937	200.94 ug/ml	96
84) Benzo(a)pyrene	12.270	252	1171853	208.26 ug/ml	95
85) Indeno(1,2,3-cd)pyrene	14.327	276	1037363	207.15 ug/ml	94
86) Dibenz(a,h)anthracene	14.376	278	1080393	205.26 ug/ml	95
87) Benzo(g,h,i)perylene	14.708	276	1088925	195.93 ug/ml	91
89) 1,4-Dioxane	2.385	88	66	N.D.	
90) Benzaldehyde	4.424	106	79467	49.69 ug/ml	98
91) Benzyl Alcohol	4.795	108	407819	304.46 ug/ml	98
93) 2,6-Dichlorophenol	5.556	162	283163	171.94 ug/ml	94
94) Caprolactam	5.787	113	112936	181.46 ug/ml	99
96) Biphenyl	6.235	154	759583	163.87 ug/ml	99
97) 2,3,4,6-Tetrachlorophenol	6.795	230	272008	333.46 ug/ml	95
98) Atrazine	7.325	200	111871	128.75 ug/ml	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297015.D
Acq On : 24 Oct 2025 4:17 pm
Operator : BGL
Sample : 8270std 160ppm 25J0509 Inst : GCMSSV2
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 04 14:15:38 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 14:14:05 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297016.D
Acq On : 24 Oct 2025 4:42 pm
Operator : BGL
Sample : 8270ICV 50ppm 25J0521 Inst : GCMSSV2
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 18 16:01:12 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 17 11:48:07 2025
Response via : Initial Calibration

Reviewed By: Christian Merchant NOV 19 2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.702	152	73425	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	5.502	136	283019	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	6.592	164	154952	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	7.513	188	255270	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.912	240	241240	40.00	ug/ml	0.00
80) PERYLENE-D12	12.355	264	264313	40.00	ug/ml	0.00
88) 1,4-Dichlorobenzene-D4...	4.702	152	73425	40.00	ug/ml	0.00
92) NAPHTHALENE-d8 (2)	5.502	136	283019	40.00	ug/ml	0.00
95) ACENAPHTHENE-D10 (2)	6.592	164	154952	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	0.000	112	0	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
3) Phenol-d6	4.465	99	26	0.01	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.01%#		
20) Nitrobenzene-d5	5.044	82	25	0.01	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.01%#		
36) 2-Fluorobiphenyl	6.145	172	55	0.01	ug/ml	-0.02
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.01%#		
37) 2,4,6-Tribromophenol	0.000	330	0	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
72) p-Terphenyl-d14	8.691	244	250	0.05	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.05%#		
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.773	42	52688	40.30	ug/ml#	73
5) Pyridine	2.797	79	136808	43.82	ug/ml	91
6) Aniline	4.494	93	126621	28.27	ug/ml#	99
7) Phenol	4.473	94	151163m	40.81	ug/ml	
8) Bis(2-chloroethyl)ether	4.535	63	79899	42.41	ug/ml	94
9) 2-Chlorophenol	4.571	128	120468	41.68	ug/ml	99
10) 1,3-Dichlorobenzene	4.666	146	128229	42.54	ug/ml	99
11) 1,4-Dichlorobenzene	4.715	146	131425	42.58	ug/ml	99
12) 1,2-Dichlorobenzene	4.810	146	123621	42.50	ug/ml	99
13) 2- METHYLPHENOL	4.859	108	109580	41.60	ug/ml	92
14) 2,2'-oxybis(1-chloropr...	4.874	45	141036	46.17	ug/ml#	68
15) Acetophenone	4.957	105	155166	40.99	ug/ml#	82
16) 3/4- METHYLPHENOL	4.954	107	124387	42.45	ug/ml#	76
17) N-Nitroso-Di-N-Propyla...	4.957	70	78446	39.91	ug/ml	94
18) Hexachloroethane	5.024	117	52338	44.26	ug/ml	95
21) NITROBENZENE	5.065	77	118937	41.91	ug/ml	98
22) Isophorone	5.211	82	214253	45.02	ug/ml	99
23) 2-Nitrophenol	5.263	139	62210	44.46	ug/ml	97
24) 2,4-Dimethylphenol	5.283	122	97699	43.22	ug/ml	96
25) Bis(2-Chloroethoxy)met...	5.342	93	128996	41.33	ug/ml	99
26) Benzoic Acid	5.337	122	65244	46.69	ug/ml	97
27) 2,4-Dichlorophenol	5.412	162	92133	42.79	ug/ml	99
28) 1,2,4-Trichlorobenzene	5.466	180	101071	43.86	ug/ml	98
29) Naphthalene	5.515	128	327172	42.04	ug/ml	100
30) 4-Chloroaniline	5.546	127	101267	30.17	ug/ml	99
31) Hexachlorobutadiene	5.592	225	53283	45.96	ug/ml	98

56% V-34

60% V-34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297016.D
Acq On : 24 Oct 2025 4:42 pm
Operator : BGL
Sample : 8270ICV 50ppm 25J0521 Inst : GCMSSV2
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 18 16:01:12 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 17 11:48:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) 4-Chloro-3-Methylphenol	5.841	107	90791	40.43	ug/ml	98
33) 2-MethylNaphthalene	5.944	142	202118	38.24	ug/ml	98
34) 1-Methylnaphthalene	6.006	142	207942	41.81	ug/ml	98
38) Hexachlorocyclopentadiene	6.042	237	60279	48.91	ug/ml	98
39) 1,2,4,5-Tetrachloroben...	6.050	216	97104	45.00	ug/ml	99
40) 2,4,6-Trichlorophenol	6.116	196	64255	44.01	ug/ml	98
41) 2,4,5-Trichlorophenol	6.140	196	69635	45.45	ug/ml	93
42) 2-ChloroNaphthalene	6.248	162	212848	38.61	ug/ml	99
43) 2-Nitroaniline	6.307	65	72346	51.23	ug/ml	85
44) 1,1-Biphenyl	6.232	154	260297	44.94	ug/ml	99
45) DIMETHYL PHTHALATE	6.415	163	205228	42.22	ug/ml	100
46) 2,6-DinitroToluene	6.453	165	51285	45.72	ug/ml	93
47) Acenaphthylene	6.505	152	322327	43.46	ug/ml	99
48) 3-Nitroaniline	6.559	138	53433	38.56	ug/ml	99
49) Acenaphthene	6.613	154	202815	40.78	ug/ml	98
50) 2,4-Dinitrophenol	6.623	184	30138	49.77	ug/ml#	32
51) 4-Nitrophenol	6.651	109	27612	46.06	ug/ml	93
52) Dibenzofuran	6.718	168	273782	41.69	ug/ml	97
53) 2,4-Dinitrotoluene	6.703	165	67723	44.73	ug/ml	98
54) DIETHYL PHTHALATE	6.847	149	190289	41.26	ug/ml	98
55) 4-Chlorophenyl phenyl ...	6.924	204	97157	41.92	ug/ml	96
56) Flourene	6.932	166	229910	42.10	ug/ml	99
57) 4-Nitroaniline	6.937	138	66510	43.48	ug/ml	92
59) 4,6-Dinitro-2-Methylph...	6.955	198	41259	43.49	ug/ml	94
60) N-Nitrosodiphenylamine	6.996	169	185609	42.11	ug/ml	99
61) 1,2-Diphenylhydrazine	7.024	77	220416	41.61	ug/ml	96
62) 4-Bromophenyl phenyl e...	7.227	248	57043	41.66	ug/ml	97
63) Hexachlorobenzene	7.274	284	66876	44.03	ug/ml	98
64) Pentachlorophenol	7.392	266	46024	45.00	ug/ml	98
65) Pentachloronitrobenzene	7.402	295	11733	44.26	ug/ml	96
66) Phenanthrene	7.528	178	323041	40.51	ug/ml	100
67) Anthracene	7.559	178	330746	41.47	ug/ml	100
68) Carbazole	7.657	167	324289	43.77	ug/ml	99
69) Di-N-Butyl Phthalate	7.873	149	318317	43.98	ug/ml	99
70) Flouranthene	8.367	202	340699	43.23	ug/ml	100
73) Benzidine	8.467	184	102660	-34.46	ug/ml	94
74) Pyrene	8.562	202	361689	40.88	ug/ml	99
75) Butylbenzyl phthalate	9.197	149	145640	45.09	ug/ml	90
76) 3,3'-Dichlorobenzidine	9.871	252	99481	39.28	ug/ml	99
77) Benzo(a)anthracene	9.902	228	343190	42.17	ug/ml	97
78) Chrysene	9.948	228	333784	41.48	ug/ml	98
79) Bis(2-ethylhexyl)phtha...	9.974	149	175955	47.54	ug/ml	99
81) Di-n-octylphthalate	11.072	149	271495	41.89	ug/ml	96
82) Benzo(b)fluoranthene	11.650	252	357289	44.07	ug/ml	95
83) Benzo(k)fluoranthene	11.699	252	351865	43.72	ug/ml	96
84) Benzo(a)pyrene	12.247	252	333443	44.37	ug/ml	95
85) Indeno(1,2,3-cd)pyrene	14.309	276	309799	46.32	ug/ml	94
86) Dibenz(a,h)anthracene	14.358	278	320160	45.54	ug/ml	96
87) Benzo(g,h,i)perylene	14.685	276	338135	45.55	ug/ml	91
89) 1,4-Dioxane	2.475	88	50209	40.28	ug/ml	96
90) Benzaldehyde	4.424	106	74371	30.44	ug/ml	100
91) Benzyl Alcohol	4.789	108	76006	43.48	ug/ml	98

69% -V-34

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297016.D
Acq On : 24 Oct 2025 4:42 pm
Operator : BGL
Sample : 8270ICV 50ppm 25J0521 Inst : GCMSSV2
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 18 16:01:12 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 17 11:48:07 2025
Response via : Initial Calibration

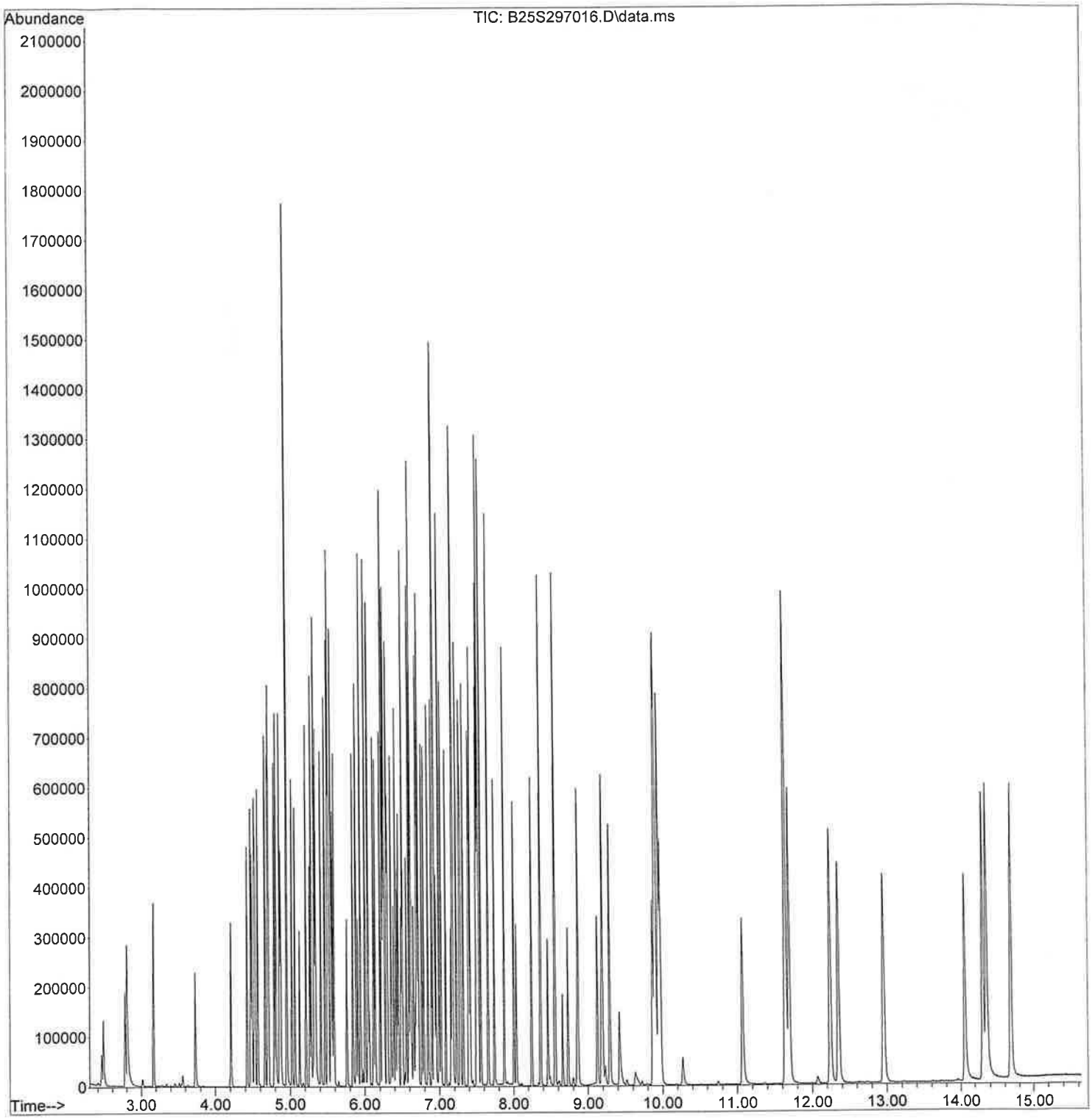
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 2,6-Dichlorophenol	5.551	162	93629	40.46	ug/ml	94
94) Caprolactam	5.762	113	36764	42.39	ug/ml	100
96) 2,3,4,6-Tetrachlorophenol	6.790	230	44635	44.65	ug/ml	96
97) Atrazine	7.320	200	56863	46.89	ug/ml	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297016.D
Acq On : 24 Oct 2025 4:42 pm
Operator : BGL
Sample : 8270ICV 50ppm 25J0521 Inst : GCMSSV2
Misc :
ALS Vial : 16 Sample Multiplier: 1

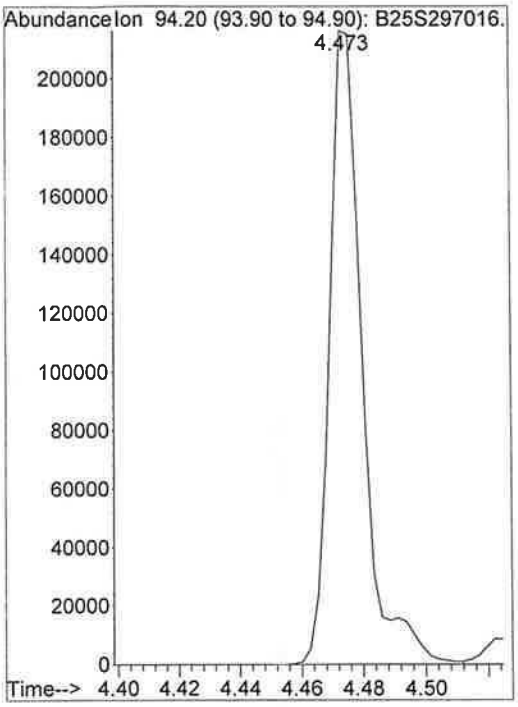
Quant Time: Nov 18 16:01:12 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 17 11:48:07 2025
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297016.D
Acq On : 24 Oct 2025 4:42 pm
Operator : BGL
Sample : 8270ICV 50ppm 25J0521
Misc :

Quant Time : Tue Nov 18 16:02:07 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Mon Nov 17 11:48:07 2025

Original Integration
Phenol



Original Int. Results

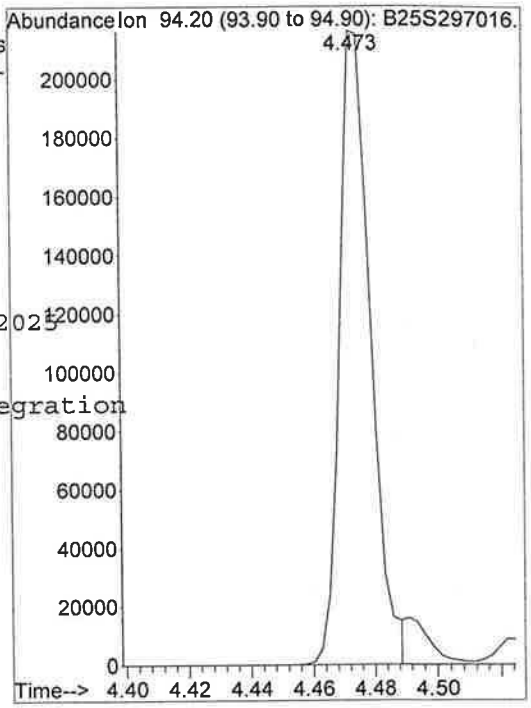
RT : 4.47
Area : 159559
Amount: 43.0744

Manual Int. Results

Tue Nov 18 16:02:07 2025

MIuser: BGL
Reason: Incorret Integration
RT : 4.47
Area : 151163
Amount: 40.8078

Manual Integration
Phenol



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297017.D
Acq On : 24 Oct 2025 5:06 pm
Operator : BGL
Sample : NCExtras 5 ppm 25F0299 Inst : GCMSSV2
Misc :
ALS Vial : 17 Sample Multiplier: 1

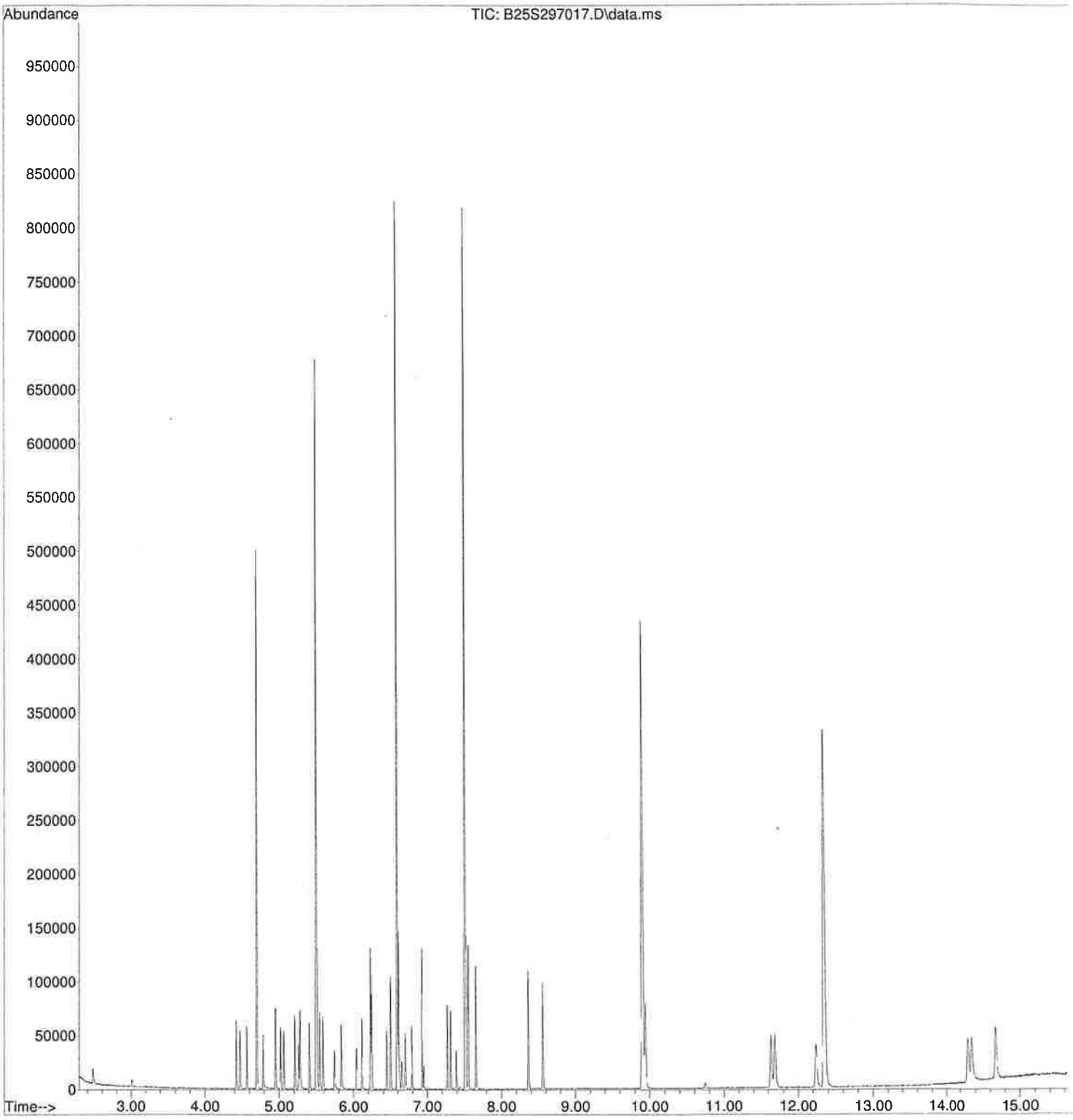
Quant Time: Nov 04 11:32:21 2025
Quant Method : C:\msdchem\1\methods\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 11:30:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	0.000	152	0m	40.00	ug/ml	-4.70
19) NAPHTHALENE-d8	0.000	136	0m	40.00	ug/ml	-5.50
35) ACENAPHTHENE-D10	0.000	164	0m	40.00	ug/ml	-6.59
58) PHENANTHRENE-D10	0.000	188	0m	40.00	ug/ml	-7.51
71) CHRYSENE-D12	0.000	240	0m	40.00	ug/ml	-9.91
80) PERYLENE-D12	0.000	264	0m	40.00	ug/ml	-12.36
88) 1,4-Dichlorobenzene-D4...	4.702	152	55773	40.00	ug/ml	0.00
92) NAPHTHALENE-d8 (2)	5.502	136	221328	40.00	ug/ml	0.00
95) ACENAPHTHENE-D10 (2)	6.590	164	125583	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	0.000	112	0	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
3) Phenol-d6	0.000	99	0d	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
20) Nitrobenzene-d5	0.000	82	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
36) 2-Fluorobiphenyl	0.000	172	0	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
37) 2,4,6-Tribromophenol	0.000	330	0	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
72) p-Terphenyl-d14	0.000	244	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
89) 1,4-Dioxane	2.472	88	5351	6.04	ug/ml	90
90) Benzaldehyde	4.424	106	9691	5.42	ug/ml	98
91) Benzyl Alcohol	4.787	108	5877	4.46	ug/ml	96
93) 2,6-Dichlorophenol	5.551	162	9028	5.14	ug/ml	92
94) Caprolactam	5.743	113	3332	4.71	ug/ml	95
96) Biphenyl	6.229	154	27273	5.52	ug/ml	99
97) 2,3,4,6-Tetrachlorophenol	6.793	230	4022	5.00	ug/ml	93
98) Atrazine	7.317	200	5199	5.37	ug/ml	98

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

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297017.D
Acq On : 24 Oct 2025 5:06 pm
Operator : BGL
Sample : NCExtras 5 ppm 25F0299 Inst : GCMSSV2
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 04 11:32:21 2025
Quant Method : C:\msdchem\1\methods\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 11:30:47 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297018.D
Acq On : 24 Oct 2025 5:31 pm
Operator : BGL
Sample : NCExtras 10 ppm 25F0300 Inst : GCMSSV2
Misc :
ALS Vial : 18 Sample Multiplier: 1

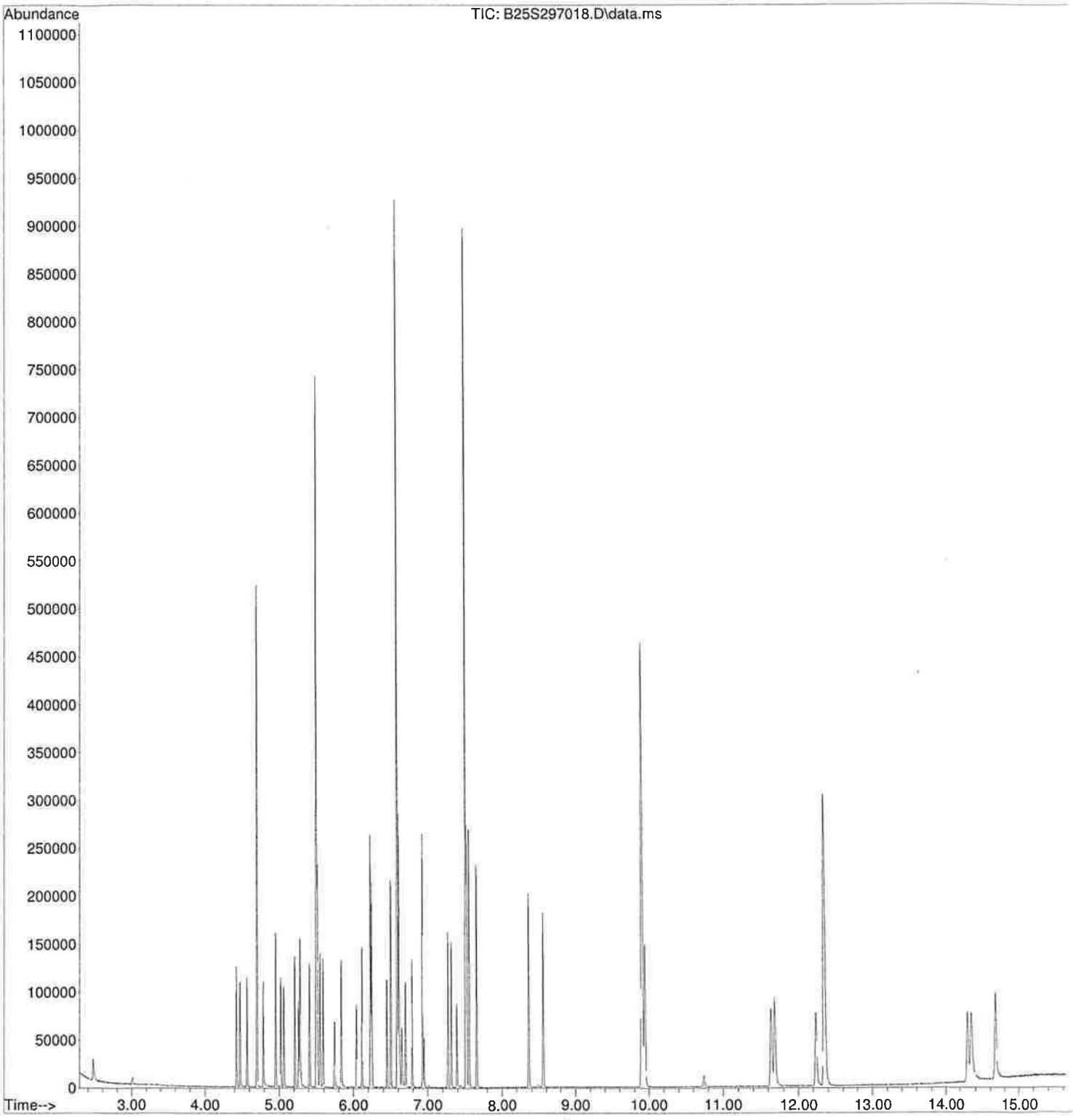
Quant Time: Nov 04 11:36:19 2025
Quant Method : C:\msdchem\1\methods\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 11:34:01 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	0.000	152	0m	40.00	ug/ml	-4.70
19) NAPHTHALENE-d8	0.000	136	0m	40.00	ug/ml	-5.50
35) ACENAPHTHENE-D10	0.000	164	0m	40.00	ug/ml	-6.59
58) PHENANTHRENE-D10	0.000	188	0m	40.00	ug/ml	-7.51
71) CHRYSENE-D12	0.000	240	0m	40.00	ug/ml	-9.91
80) PERYLENE-D12	0.000	264	0m	40.00	ug/ml	-12.36
88) 1,4-Dichlorobenzene-D4...	4.702	152	58625	40.00	ug/ml	0.00
92) NAPHTHALENE-d8 (2)	5.502	136	234407	40.00	ug/ml	0.00
95) ACENAPHTHENE-D10 (2)	6.590	164	135792	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	0.000	112	0	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
3) Phenol-d6	0.000	99	0d	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
20) Nitrobenzene-d5	0.000	82	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
36) 2-Fluorobiphenyl	0.000	172	0	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
37) 2,4,6-Tribromophenol	0.000	330	0	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
72) p-Terphenyl-d14	0.000	244	0	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
89) 1,4-Dioxane	2.473	88	10120	9.84	ug/ml	91
90) Benzaldehyde	4.424	106	18939	9.67	ug/ml	97
91) Benzyl Alcohol	4.787	108	13267	10.13	ug/ml	98
93) 2,6-Dichlorophenol	5.551	162	19005	10.08	ug/ml	93
94) Caprolactam	5.744	113	6909	9.50	ug/ml	100
96) Biphenyl	6.230	154	55780	9.93	ug/ml	99
97) 2,3,4,6-Tetrachlorophenol	6.790	230	8196	9.42	ug/ml	97
98) Atrazine	7.317	200	10465	9.64	ug/ml	99

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

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297018.D
Acq On : 24 Oct 2025 5:31 pm
Operator : BGL
Sample : NCExtras 10 ppm 25F0300 Inst : GCMSSV2
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 04 11:36:19 2025
Quant Method : C:\msdchem\1\methods\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 11:34:01 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297019.D
Acq On : 24 Oct 2025 5:55 pm
Operator : BGL
Sample : NCExtras 20 ppm 25F0301 Inst : GCMSSV2
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 04 11:38:51 2025
Quant Method : C:\msdchem\1\methods\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 11:37:37 2025
Response via : Initial Calibration

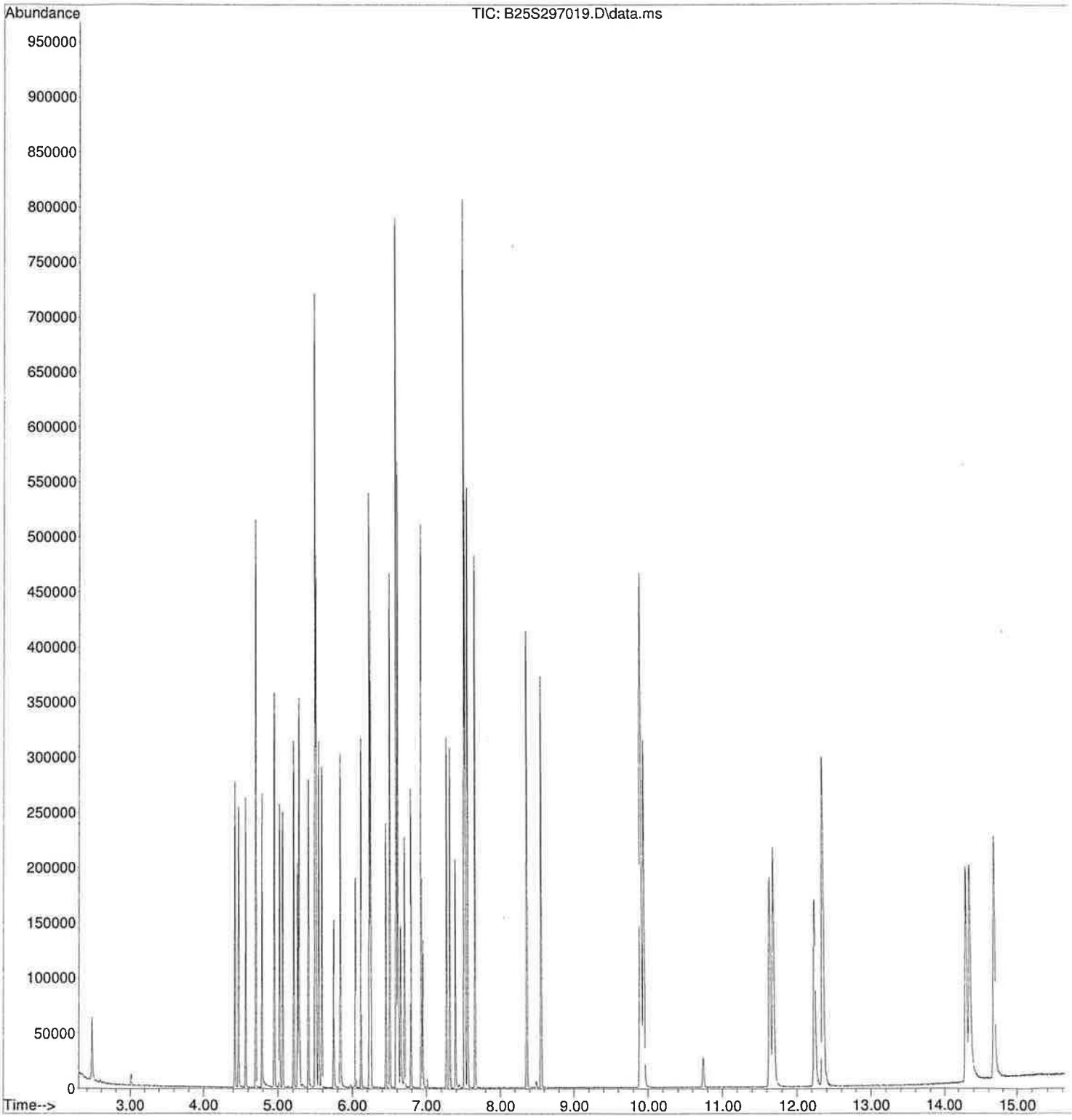
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	0.000	152	0m	40.00	ug/ml	-4.70
19) NAPHTHALENE-d8	0.000	136	0m	40.00	ug/ml	-5.50
35) ACENAPHTHENE-D10	0.000	164	0m	40.00	ug/ml	-6.59
58) PHENANTHRENE-D10	0.000	188	0m	40.00	ug/ml	-7.51
71) CHRYSENE-D12	0.000	240	0m	40.00	ug/ml	-9.91
80) PERYLENE-D12	0.000	264	0m	40.00	ug/ml	-12.36
88) 1,4-Dichlorobenzene-D4...	4.702	152	55480	40.00	ug/ml	0.00
92) NAPHTHALENE-d8 (2)	5.502	136	228369	40.00	ug/ml	0.00
95) ACENAPHTHENE-D10 (2)	6.592	164	121117	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	0.000	112	0	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
3) Phenol-d6	0.000	99	0d	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
20) Nitrobenzene-d5	0.000	82	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
36) 2-Fluorobiphenyl	0.000	172	0	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
37) 2,4,6-Tribromophenol	0.000	330	0	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
72) p-Terphenyl-d14	0.000	244	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
89) 1,4-Dioxane	2.467	88	21084	21.78	ug/ml	96
90) Benzaldehyde	4.424	106	42809	23.35	ug/ml	97
91) Benzyl Alcohol	4.787	108	29901	24.02	ug/ml	98
93) 2,6-Dichlorophenol	5.551	162	41297	22.42	ug/ml	92
94) Caprolactam	5.749	113	14908	21.40	ug/ml	98
96) Biphenyl	6.229	154	114884	22.98	ug/ml	98
97) 2,3,4,6-Tetrachlorophenol	6.790	230	17103	22.48	ug/ml	96
98) Atrazine	7.317	200	20814	21.76	ug/ml	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297019.D
Acq On : 24 Oct 2025 5:55 pm
Operator : BGL
Sample : NCExtras 20 ppm 25F0301 Inst : GCMSSV2
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 04 11:38:51 2025
Quant Method : C:\msdchem\1\methods\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 11:37:37 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297020.D
Acq On : 24 Oct 2025 6:19 pm
Operator : BGL
Sample : NCExtras 50 ppm 25F0302 Inst : GCMSSV2
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 04 11:41:00 2025
Quant Method : C:\msdchem\1\methods\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 11:39:27 2025
Response via : Initial Calibration

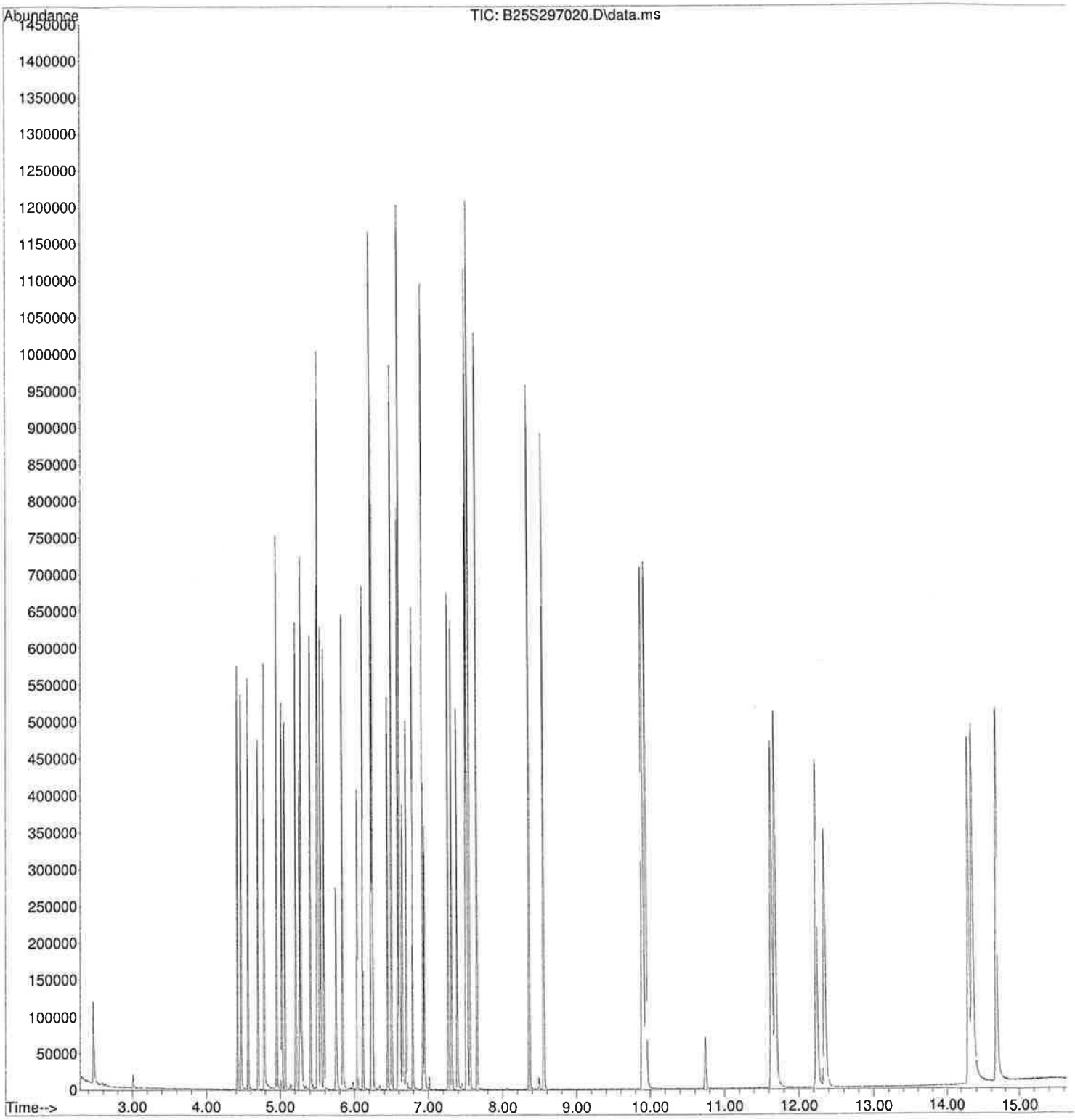
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	0.000	152	0m	40.00	ug/ml	-4.70
19) NAPHTHALENE-d8	0.000	136	0m	40.00	ug/ml	-5.50
35) ACENAPHTHENE-D10	0.000	164	0m	40.00	ug/ml	-6.59
58) PHENANTHRENE-D10	0.000	188	0m	40.00	ug/ml	-7.51
71) CHRYSENE-D12	0.000	240	0m	40.00	ug/ml	-9.91
80) PERYLENE-D12	0.000	264	0m	40.00	ug/ml	-12.36
88) 1,4-Dichlorobenzene-D4...	4.702	152	54249	40.00	ug/ml	0.00
92) NAPHTHALENE-d8 (2)	5.502	136	217054	40.00	ug/ml	0.00
95) ACENAPHTHENE-D10 (2)	6.592	164	121260	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	0.000	112	0	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
3) Phenol-d6	0.000	99	0d	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
20) Nitrobenzene-d5	0.000	82	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
36) 2-Fluorobiphenyl	0.000	172	0	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
37) 2,4,6-Tribromophenol	0.000	330	0	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
72) p-Terphenyl-d14	0.000	244	0	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
89) 1,4-Dioxane	2.465	88	43085	44.53	ug/ml	96
90) Benzaldehyde	4.422	106	86996	46.58	ug/ml	98
91) Benzyl Alcohol	4.787	108	64019	50.08	ug/ml	98
93) 2,6-Dichlorophenol	5.551	162	86134	47.75	ug/ml	94
94) Caprolactam	5.754	113	34671	51.46	ug/ml	97
96) Biphenyl	6.229	154	238400	45.92	ug/ml	100
97) 2,3,4,6-Tetrachlorophenol	6.790	230	38825	49.44	ug/ml	96
98) Atrazine	7.320	200	46698	47.72	ug/ml	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297020.D
Acq On : 24 Oct 2025 6:19 pm
Operator : BGL
Sample : NCExtras 50 ppm 25F0302 Inst : GCMSSV2
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 04 11:41:00 2025
Quant Method : C:\msdchem\1\methods\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 11:39:27 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297021.D
Acq On : 24 Oct 2025 6:44 pm
Operator : BGL
Sample : NCExtras 80 ppm 25F0303 Inst : GCMSSV2
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 04 11:43:57 2025
Quant Method : C:\msdchem\1\methods\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 11:41:53 2025
Response via : Initial Calibration

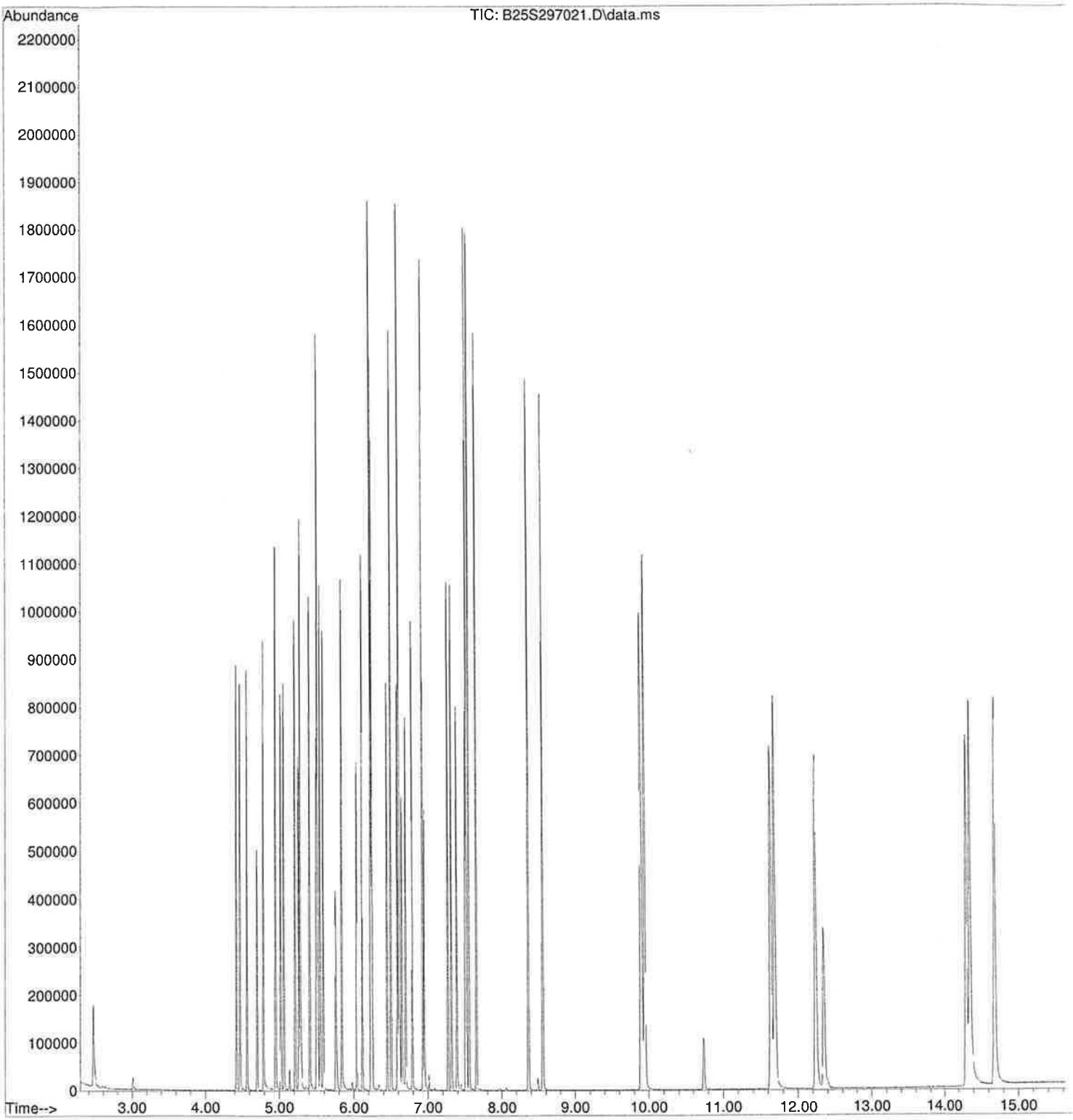
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	0.000	152	0m	40.00	ug/ml	-4.70
19) NAPHTHALENE-d8	0.000	136	0m	40.00	ug/ml	-5.50
35) ACENAPHTHENE-D10	0.000	164	0m	40.00	ug/ml	-6.59
58) PHENANTHRENE-D10	0.000	188	0m	40.00	ug/ml	-7.51
71) CHRYSENE-D12	0.000	240	0m	40.00	ug/ml	-9.91
80) PERYLENE-D12	0.000	264	0m	40.00	ug/ml	-12.36
88) 1,4-Dichlorobenzene-D4...	4.702	152	57177	40.00	ug/ml	0.00
92) NAPHTHALENE-d8 (2)	5.502	136	231007	40.00	ug/ml	0.00
95) ACENAPHTHENE-D10 (2)	6.592	164	130049	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	0.000	112	0	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
3) Phenol-d6	0.000	99	0d	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
20) Nitrobenzene-d5	0.000	82	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
36) 2-Fluorobiphenyl	0.000	172	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
37) 2,4,6-Tribromophenol	0.000	330	0	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
72) p-Terphenyl-d14	0.000	244	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
89) 1,4-Dioxane	2.462	88	68352	67.03	ug/ml	99
90) Benzaldehyde	4.422	106	139945	71.09	ug/ml	98
91) Benzyl Alcohol	4.787	108	107983	80.15	ug/ml	100
93) 2,6-Dichlorophenol	5.551	162	142710	74.33	ug/ml	94
94) Caprolactam	5.759	113	54526	76.04	ug/ml	98
96) Biphenyl	6.232	154	387666	69.62	ug/ml	99
97) 2,3,4,6-Tetrachlorophenol	6.790	230	65001	77.18	ug/ml	95
98) Atrazine	7.320	200	74151	70.65	ug/ml	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297021.D
Acq On : 24 Oct 2025 6:44 pm
Operator : BGL
Sample : NCExtras 80 ppm 25F0303 Inst : GCMSSV2
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 04 11:43:57 2025
Quant Method : C:\msdchem\1\methods\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 11:41:53 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297022.D
Acq On : 24 Oct 2025 7:08 pm
Operator : BGL
Sample : NCExtras 100 ppm 25F0304 Inst : GCMSSV2
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 04 11:45:53 2025
Quant Method : C:\msdchem\1\methods\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 11:45:19 2025
Response via : Initial Calibration

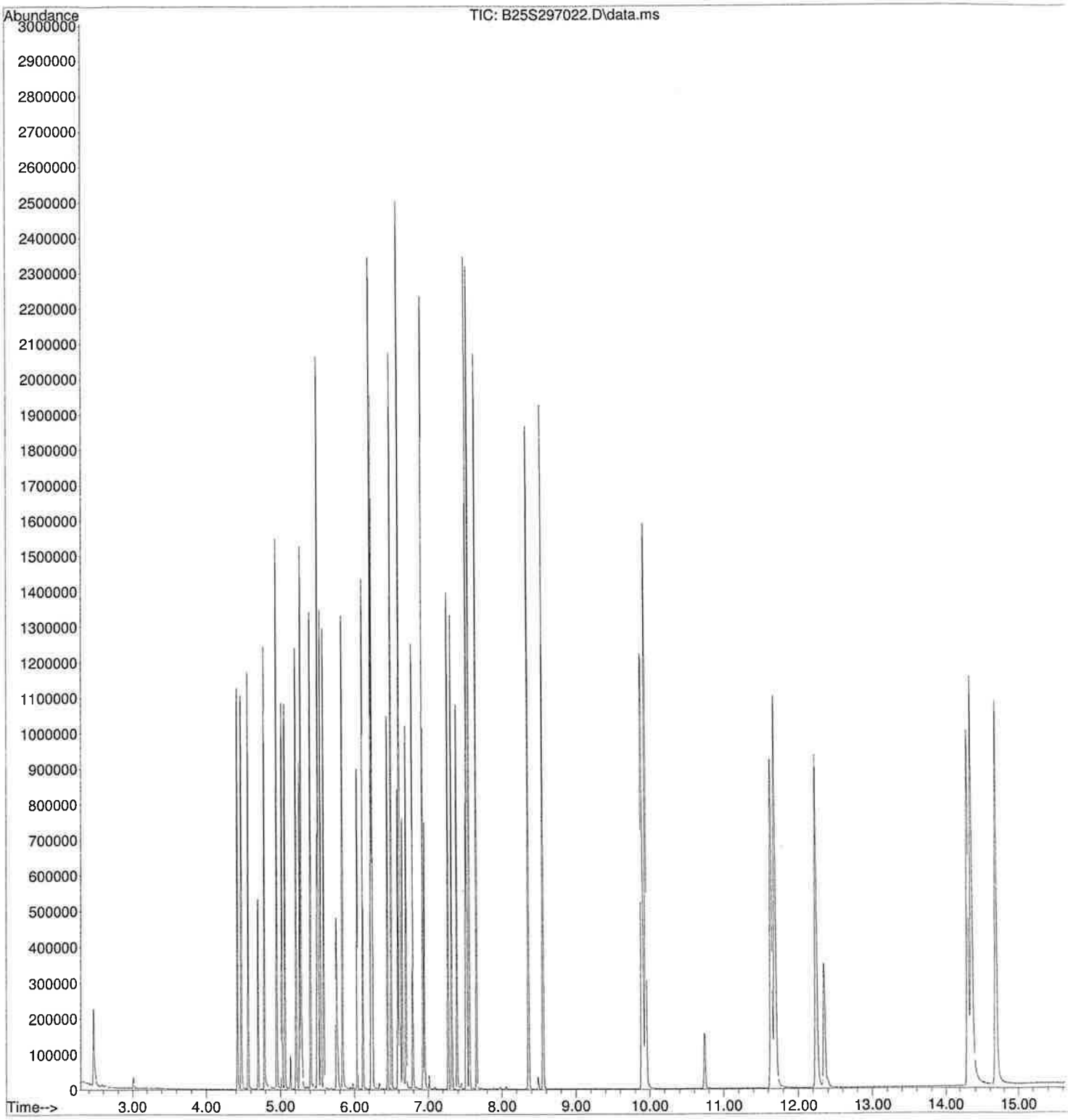
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	0.000	152	0m	40.00	ug/ml	-4.70
19) NAPHTHALENE-d8	0.000	136	0m	40.00	ug/ml	-5.50
35) ACENAPHTHENE-D10	0.000	164	0m	40.00	ug/ml	-6.59
58) PHENANTHRENE-D10	0.000	188	0m	40.00	ug/ml	-7.51
71) CHRYSENE-D12	0.000	240	0m	40.00	ug/ml	-9.91
80) PERYLENE-D12	0.000	264	0m	40.00	ug/ml	-12.36
88) 1,4-Dichlorobenzene-D4...	4.702	152	57822	40.00	ug/ml	0.00
92) NAPHTHALENE-d8 (2)	5.502	136	235784	40.00	ug/ml	0.00
95) ACENAPHTHENE-D10 (2)	6.592	164	130920	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	0.000	112	0	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
3) Phenol-d6	0.000	99	0d	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
20) Nitrobenzene-d5	0.000	82	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
36) 2-Fluorobiphenyl	0.000	172	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
37) 2,4,6-Tribromophenol	0.000	330	0	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
72) p-Terphenyl-d14	0.000	244	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
89) 1,4-Dioxane	2.462	88	90125	90.33	ug/ml	98
90) Benzaldehyde	4.422	106	181132	93.06	ug/ml	99
91) Benzyl Alcohol	4.787	108	144437	105.97	ug/ml	99
93) 2,6-Dichlorophenol	5.551	162	190861	98.80	ug/ml	98
94) Caprolactam	5.762	113	71183	98.23	ug/ml	99
96) Biphenyl	6.230	154	508356	93.11	ug/ml	100
97) 2,3,4,6-Tetrachlorophenol	6.790	230	85818	101.93	ug/ml	96
98) Atrazine	7.320	200	98828	95.78	ug/ml	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297022.D
Acq On : 24 Oct 2025 7:08 pm
Operator : BGL
Sample : NCExtras 100 ppm 25F0304 Inst : GCMSSV2
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 04 11:45:53 2025
Quant Method : C:\msdchem\1\methods\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 11:45:19 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297023.D
Acq On : 24 Oct 2025 7:33 pm
Operator : BGL
Sample : 8270ICV 50ppm 25J0521 Inst : GCMSSV2
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 04 14:44:18 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 14:25:45 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	0.000	152	0m	40.00	ug/ml	-4.70
19) NAPHTHALENE-d8	0.000	136	0m	40.00	ug/ml	-5.50
35) ACENAPHTHENE-D10	0.000	164	0m	40.00	ug/ml	-6.59
58) PHENANTHRENE-D10	0.000	188	0m	40.00	ug/ml	-7.51
71) CHRYSENE-D12	0.000	240	0m	40.00	ug/ml	-9.91
80) PERYLENE-D12	0.000	264	0m	40.00	ug/ml	-12.36
88) 1,4-Dichlorobenzene-D4...	4.702	152	62455	40.00	ug/ml	0.00
92) NAPHTHALENE-d8 (2)	5.502	136	255536	40.00	ug/ml	0.00
95) ACENAPHTHENE-D10 (2)	6.592	164	146203	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	0.000	112	0d	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
3) Phenol-d6	0.000	99	0d	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
20) Nitrobenzene-d5	0.000	82	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
36) 2-Fluorobiphenyl	0.000	172	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
37) 2,4,6-Tribromophenol	0.000	330	0	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
72) p-Terphenyl-d14	0.000	244	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
89) 1,4-Dioxane	2.470	88	41626	39.26	ug/ml	97
90) Benzaldehyde	4.422	106	66002	31.76	ug/ml	98
91) Benzyl Alcohol	4.787	108	69226	46.56	ug/ml	98
93) 2,6-Dichlorophenol	5.551	162	87384	41.82	ug/ml	93
94) Caprolactam	5.759	113	34430	43.97	ug/ml	99
96) Biphenyl	6.230	154	241340	40.04	ug/ml	99
97) 2,3,4,6-Tetrachlorophenol	6.790	230	41713	44.22	ug/ml	96
98) Atrazine	7.320	200	51308	44.84	ug/ml	99

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

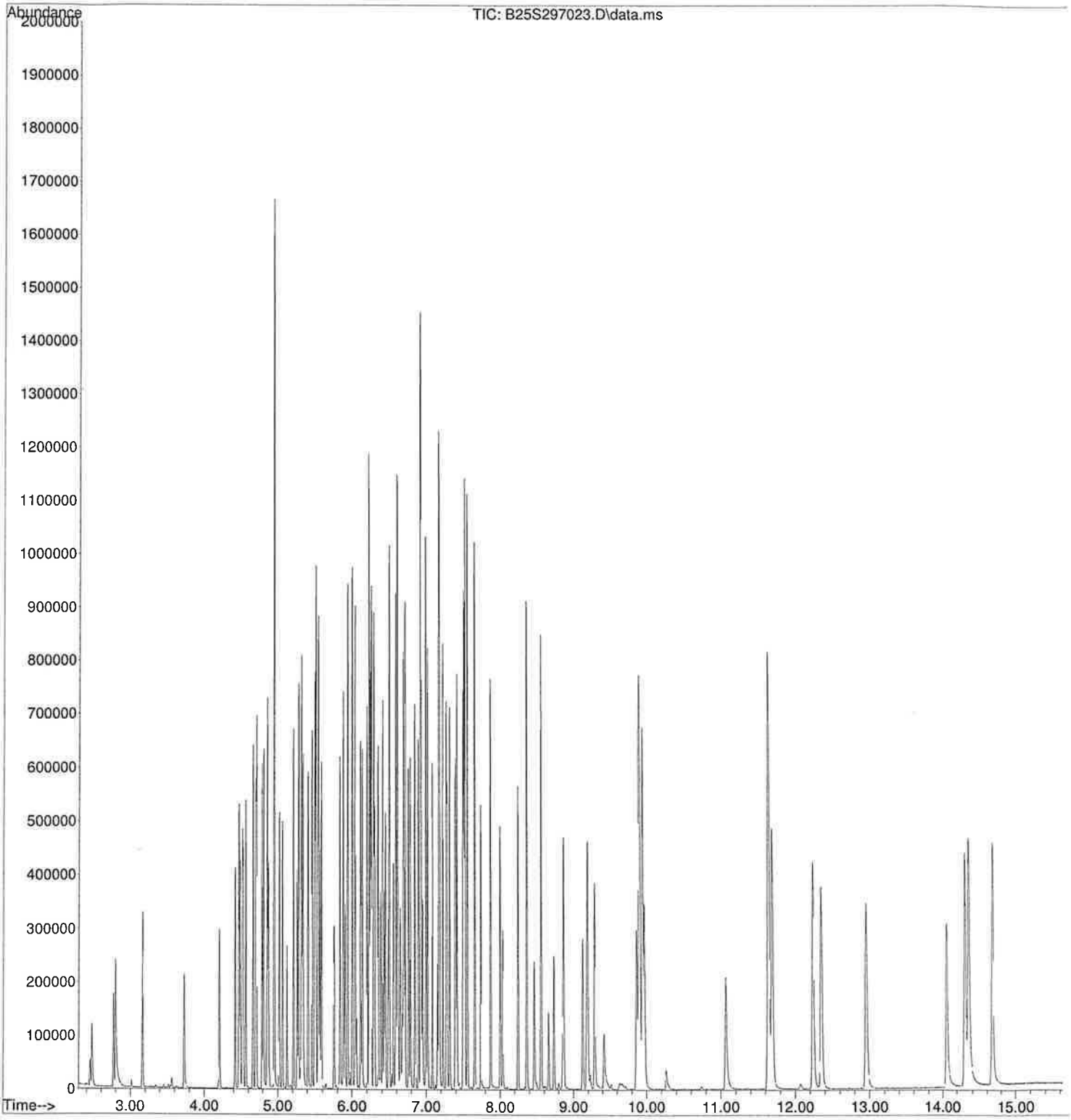
Reviewed By: Christian Merchant NOV 19 2025

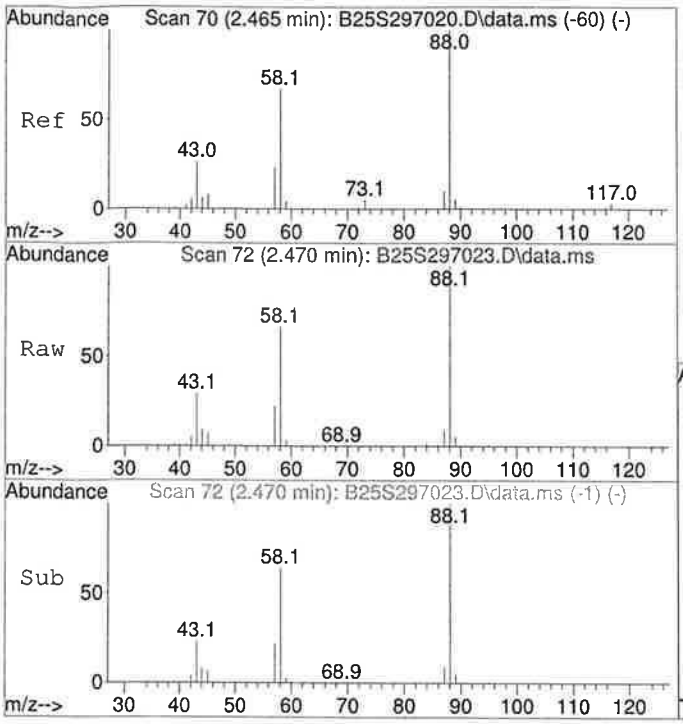
70.130 J34 63%

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297023.D
Acq On : 24 Oct 2025 7:33 pm
Operator : BGL
Sample : 8270ICV 50ppm 25J0521 Inst : GCMSSV2
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 04 14:44:18 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 04 14:25:45 2025
Response via : Initial Calibration

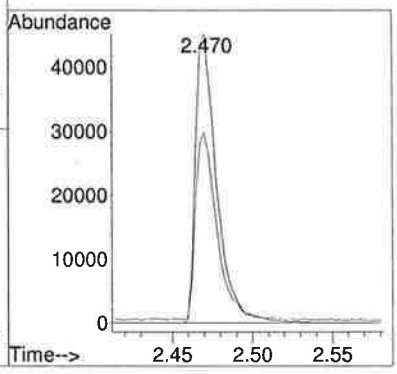


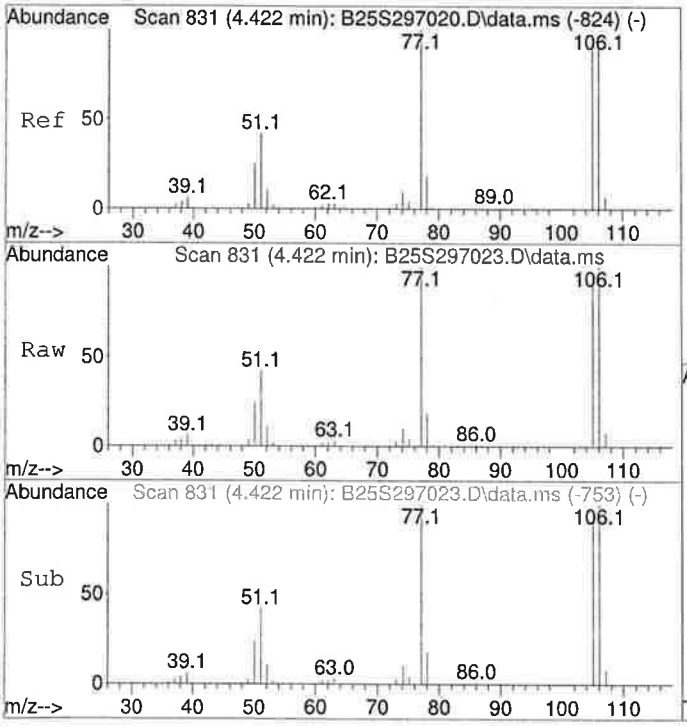


#89
1,4-Dioxane
Concen: 39.26 ug/ml
RT: 2.470 min Scan# 72
Delta R.T. 0.005 min
Lab File: B25S297023.D
Acq: 24 Oct 2025 7:33 pm

Tgt Ion: 88 Resp: 41626

Ion	Ratio	Lower	Upper
88	100		
58	66.2	50.8	76.2

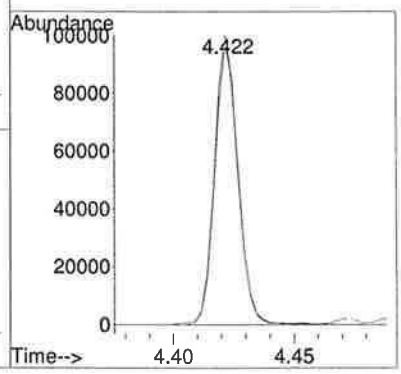


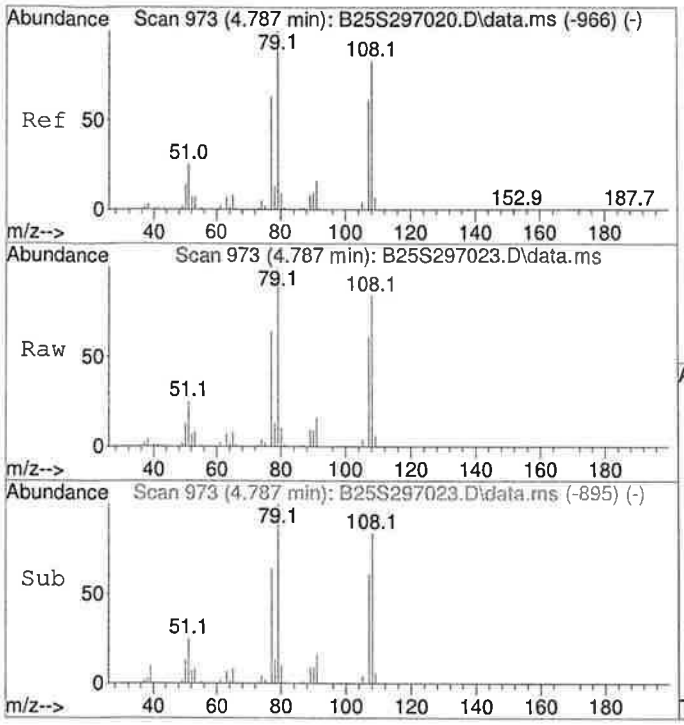


#90
Benzaldehyde
Concen: 31.76 ug/ml
RT: 4.422 min Scan# 831
Delta R.T. -0.000 min
Lab File: B25S297023.D
Acq: 24 Oct 2025 7:33 pm

Tgt Ion:106 Resp: 66002

Ion	Ratio	Lower	Upper
106	100		
105	98.1	79.4	119.2
77	99.5	81.3	121.9

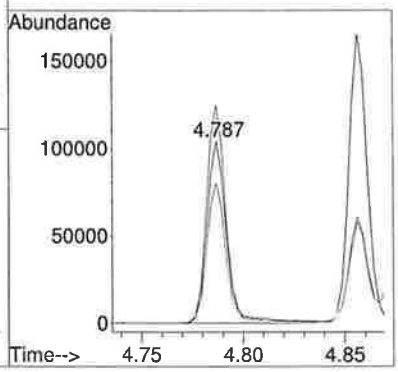


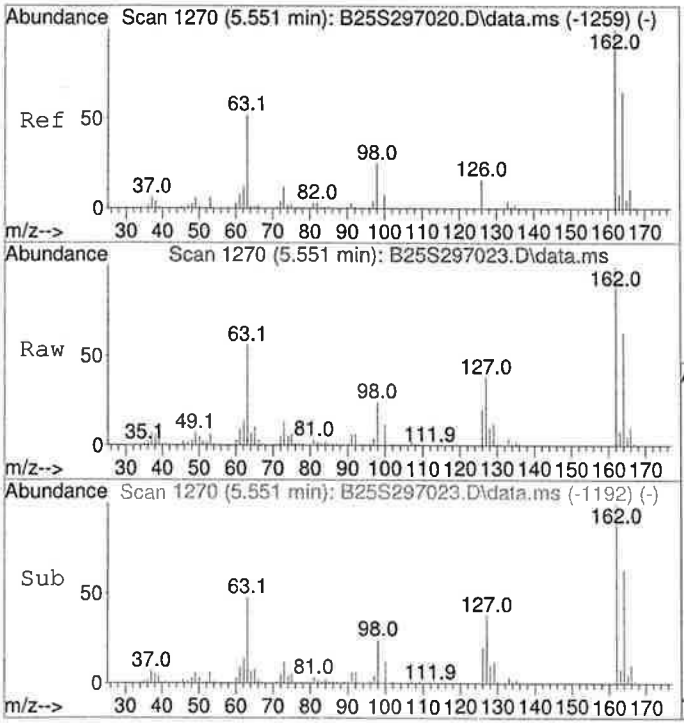


#91
Benzyl Alcohol
Concen: 46.56 ug/ml
RT: 4.787 min Scan# 973
Delta R.T. -0.000 min
Lab File: B25S297023.D
Acq: 24 Oct 2025 7:33 pm

Tgt Ion:108 Resp: 69226

Ion	Ratio	Lower	Upper
108	100		
79	117.2	97.3	145.9
77	77.6	62.1	93.1

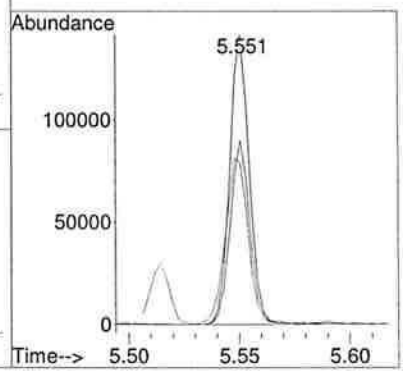


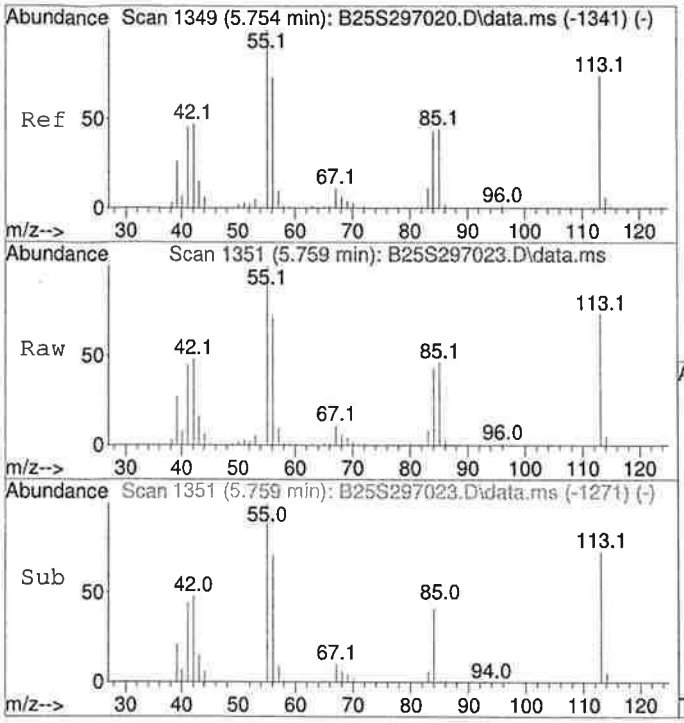


#93
2,6-Dichlorophenol
Concen: 41.82 ug/ml
RT: 5.551 min Scan# 1270
Delta R.T. -0.000 min
Lab File: B25S297023.D
Acq: 24 Oct 2025 7:33 pm

Tgt Ion:162 Resp: 87384

Ion	Ratio	Lower	Upper
162	100		
164	63.8	51.4	77.2
63	66.9	45.1	67.7

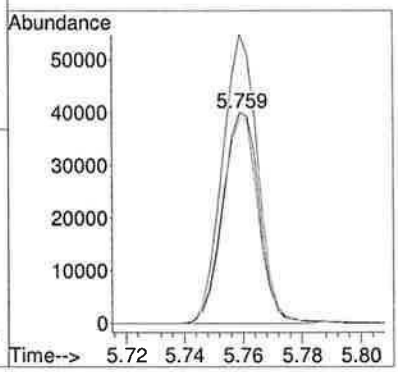


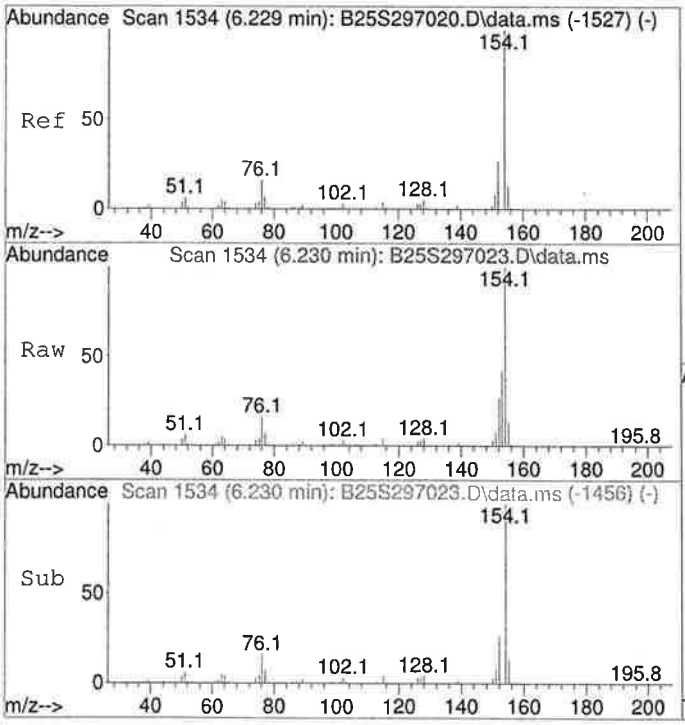


#94
Caprolactam
Concen: 43.97 ug/ml
RT: 5.759 min Scan# 1351
Delta R.T. 0.005 min
Lab File: B25S297023.D
Acq: 24 Oct 2025 7:33 pm

Tgt Ion:113 Resp: 34430

Ion	Ratio	Lower	Upper
113	100		
55	133.3	105.3	157.9
56	97.6	77.1	115.7

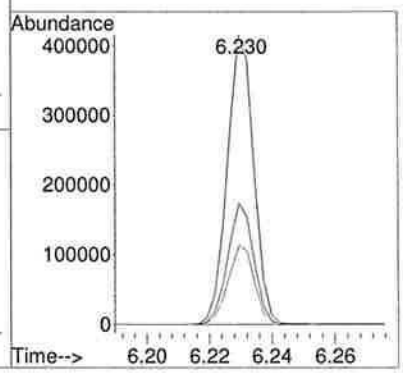


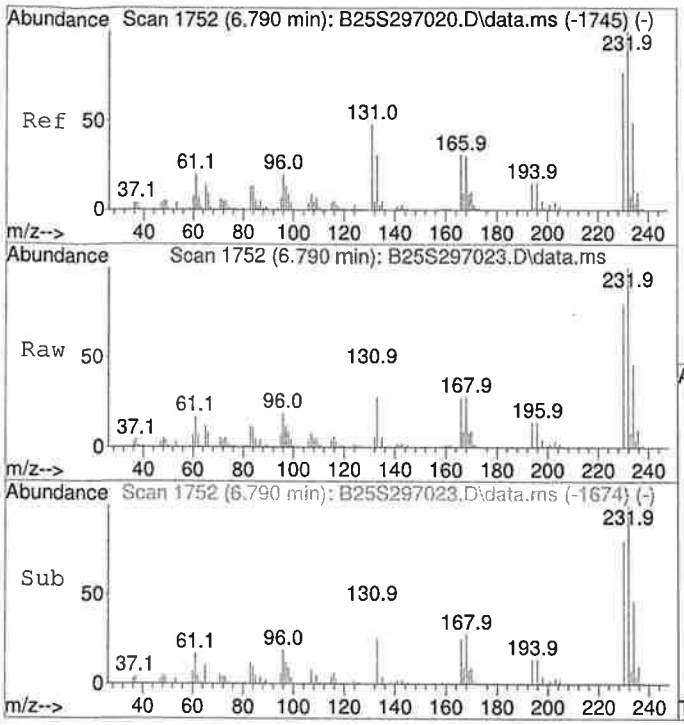


#96
Biphenyl
Concen: 40.04 ug/ml
RT: 6.230 min Scan# 1534
Delta R.T. 0.000 min
Lab File: B25S297023.D
Acq: 24 Oct 2025 7:33 pm

Tgt Ion:154 Resp: 241340

Ion	Ratio	Lower	Upper
154	100		
153	41.1	33.3	49.9
152	27.2	21.8	32.6

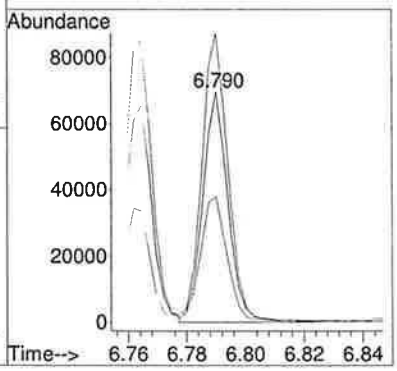


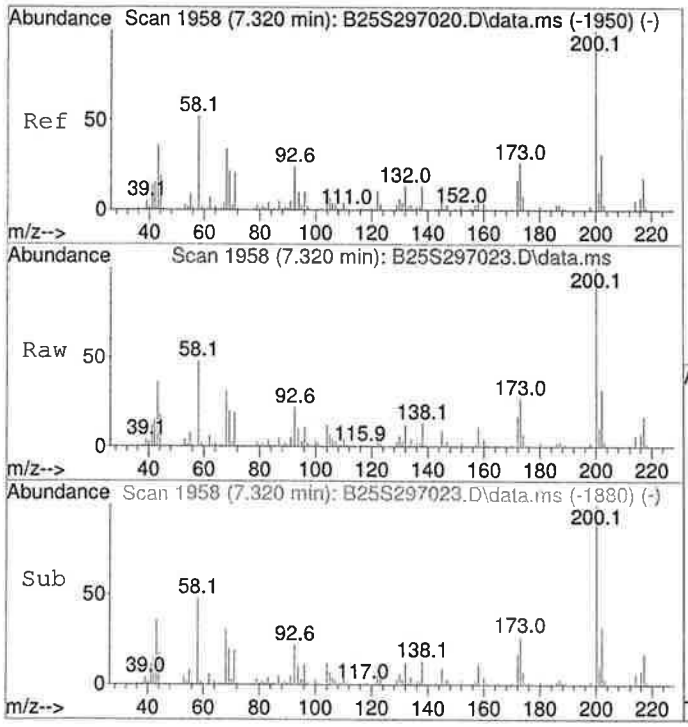


#97
2,3,4,6-Tetrachlorophenol
Concen: 44.22 ug/ml
RT: 6.790 min Scan# 1752
Delta R.T. 0.000 min
Lab File: B25S297023.D
Acq: 24 Oct 2025 7:33 pm

Tgt Ion:230 Resp: 41713

Ion	Ratio	Lower	Upper
230	100		
232	129.0	105.4	158.2
131	57.9	50.0	75.0

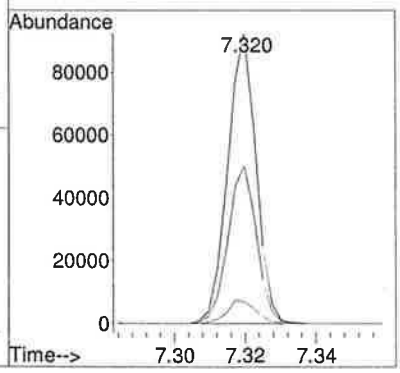




#98
Atrazine
Concen: 44.84 ug/ml
RT: 7.320 min Scan# 1958
Delta R.T. 0.000 min
Lab File: B25S297023.D
Acq: 24 Oct 2025 7:33 pm

Tgt Ion:200 Resp: 51308

Ion	Ratio	Lower	Upper
200	100		
215	55.0	44.2	66.4
216	8.2	6.2	9.2

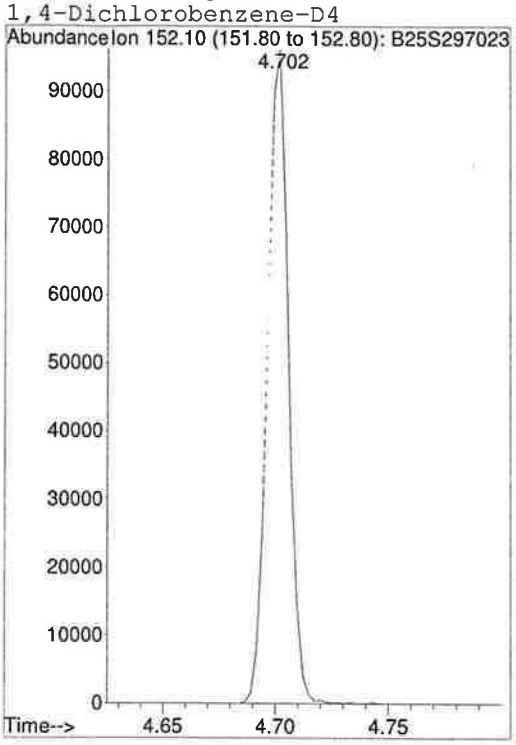


Manual Integration Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297023.D
Acq On : 24 Oct 2025 7:33 pm
Operator : BGL
Sample : 8270ICV 50ppm 25J0521
Misc :

Quant Time : Tue Nov 04 14:44:42 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Tue Nov 04 14:25:45 2025

Original Integration
1,4-Dichlorobenzene-D4



Original Int. Results

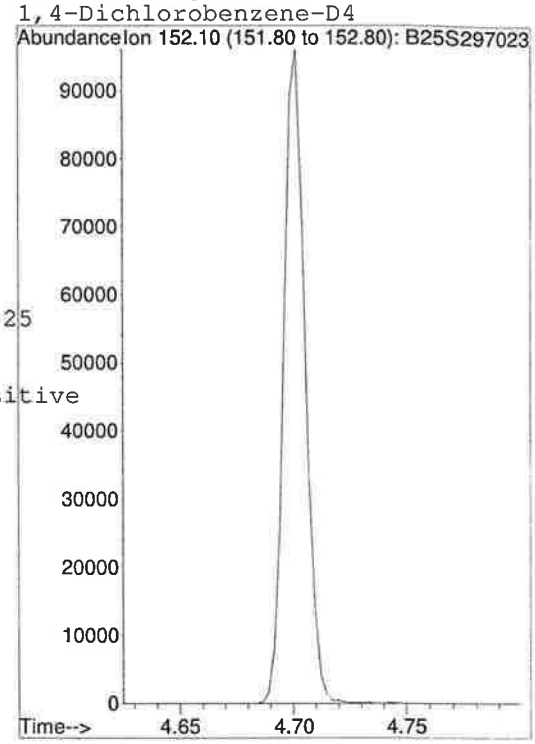
RT : 4.70
Area : 62455
Amount: 40

Manual Int. Results

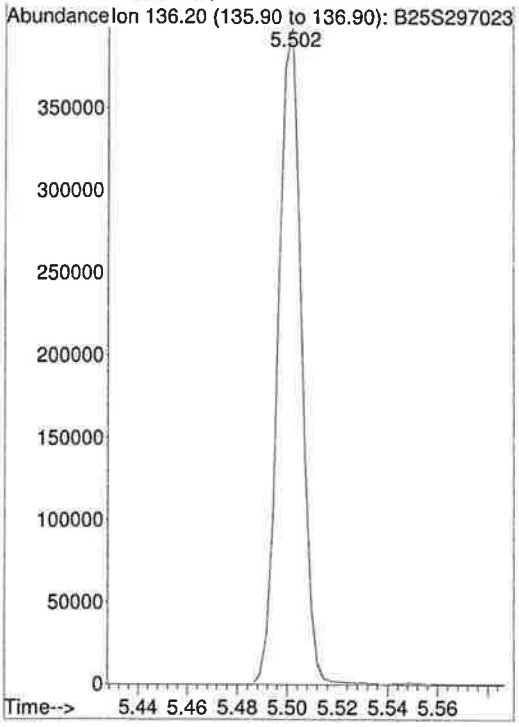
Tue Nov 04 14:44:42 2025

MIuser: bgl
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

Manual Integration
1,4-Dichlorobenzene-D4



Original Integration
NAPHTHALENE-d8



Original Int. Results

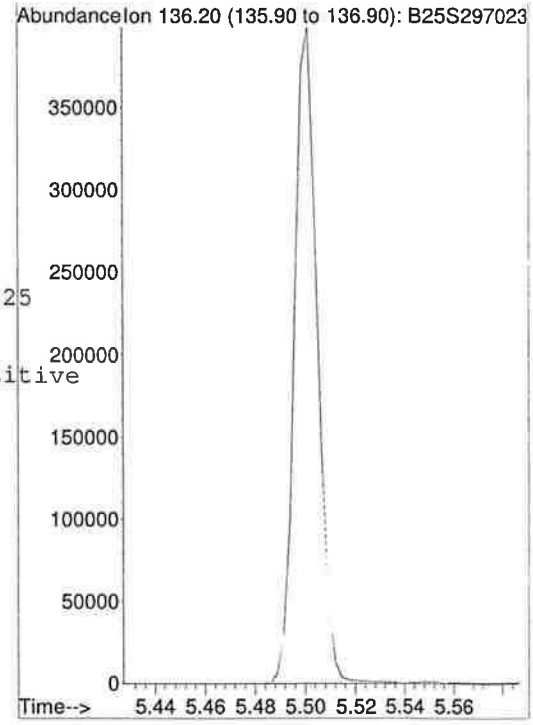
RT : 5.50
Area : 255536
Amount: 40

Manual Int. Results

Tue Nov 04 14:44:39 2025

MIuser: bgl
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

Manual Integration
NAPHTHALENE-d8

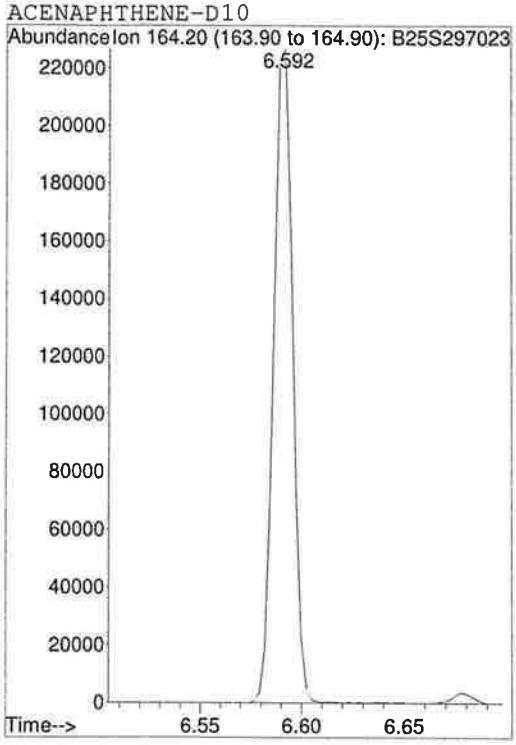


Manual Integration Report (QT Reviewed)

Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297023.D
Acq On : 24 Oct 2025 7:33 pm
Operator : BGL
Sample : 8270ICV 50ppm 25J0521
Misc :

Quant Time : Tue Nov 04 14:44:42 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Tue Nov 04 14:25:45 2025

Original Integration
ACENAPHTHENE-D10



Original Int. Results

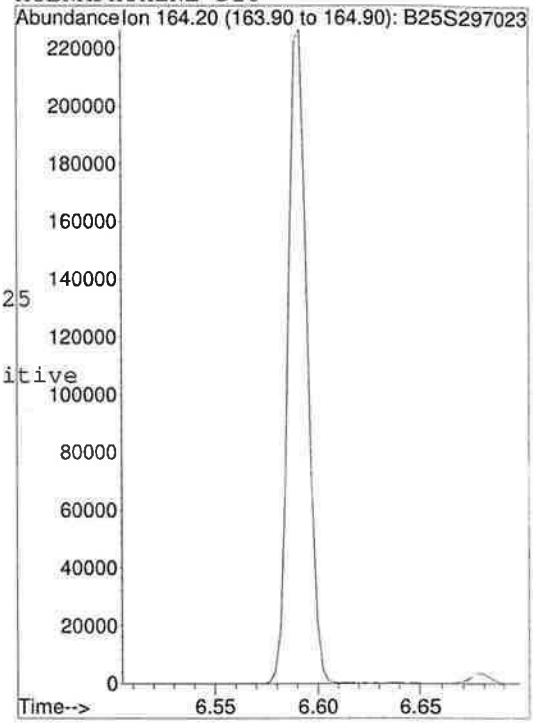
RT : 6.59
Area : 146203
Amount: 40

Manual Int. Results

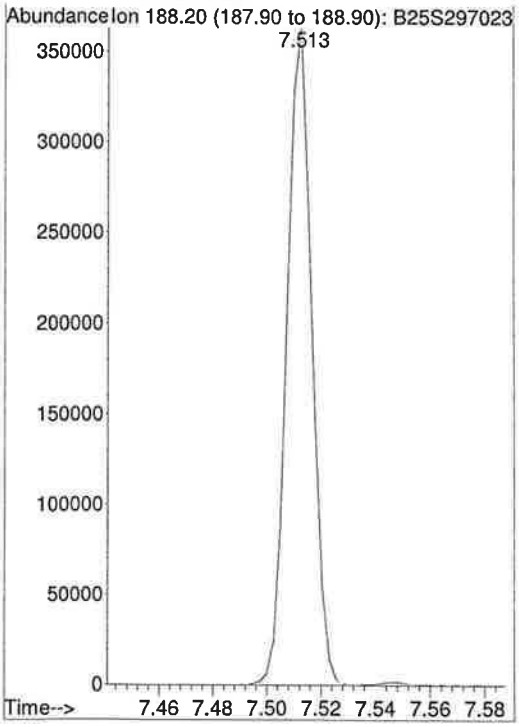
Tue Nov 04 14:44:37 2025

MIuser: bgl
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

Manual Integration
ACENAPHTHENE-D10



Original Integration
PHENANTHRENE-D10



Original Int. Results

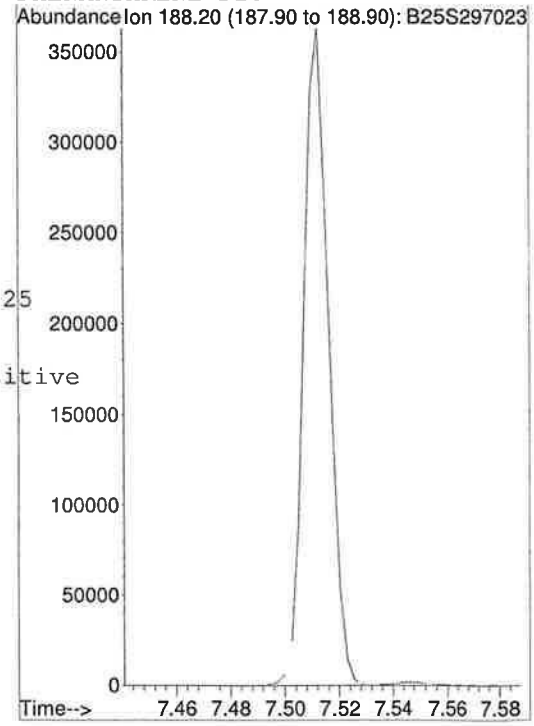
RT : 7.51
Area : 233458
Amount: 40

Manual Int. Results

Tue Nov 04 14:44:34 2025

MIuser: bgl
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

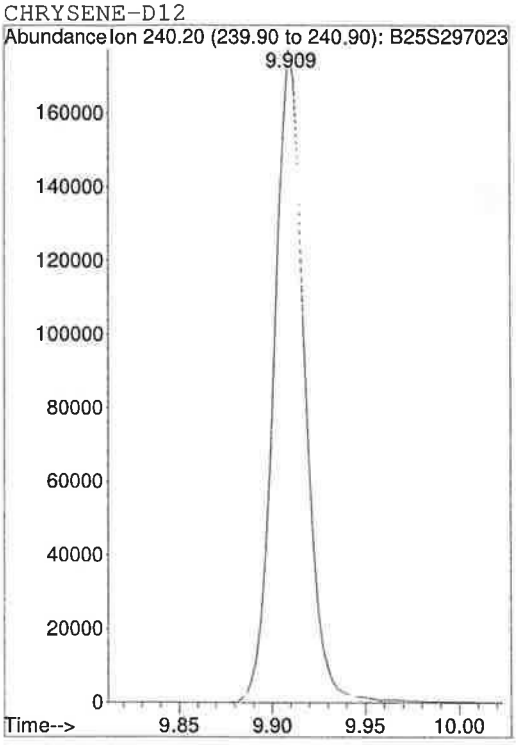
Manual Integration
PHENANTHRENE-D10



Data Path : C:\msdchem\1\data\B102425\
Data File : B25S297023.D
Acq On : 24 Oct 2025 7:33 pm
Operator : BGL
Sample : 8270ICV 50ppm 25J0521
Misc :

Quant Time : Tue Nov 04 14:44:42 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Tue Nov 04 14:25:45 2025

Original Integration
CHRYSENE-D12



Original Int. Results

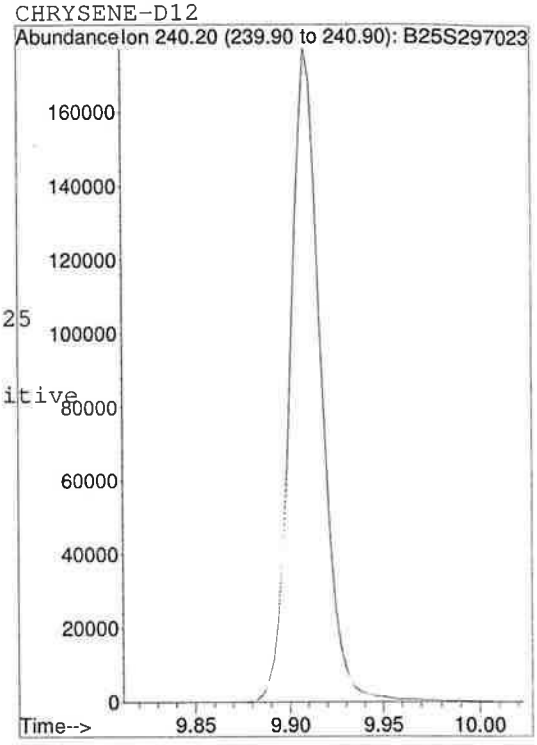
RT : 9.91
Area : 202012
Amount: 40

Manual Int. Results

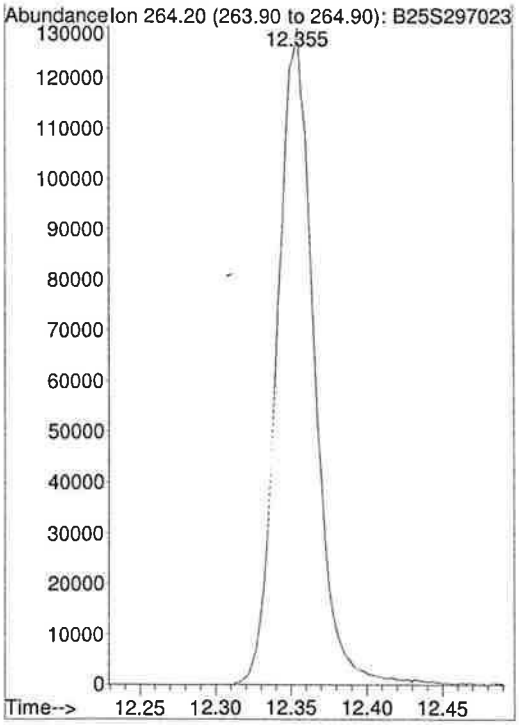
Tue Nov 04 14:44:33 2025

MIuser: bgl
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

Manual Integration
CHRYSENE-D12



Original Integration
PERYLENE-D12



Original Int. Results

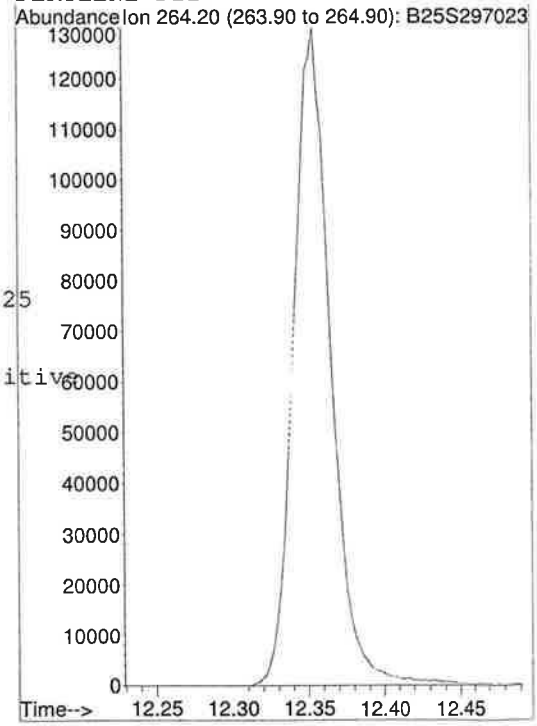
RT : 12.36
Area : 220250
Amount: 40

Manual Int. Results

Tue Nov 04 14:44:32 2025

MIuser: bgl
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

Manual Integration
PERYLENE-D12



w/extras

C:\MSDCHEM\1\METHODS\BN210245.M
Tue Nov 04 15:24:05 2025

Control Information

Sample Inlet : GC
Injection Source : External Device
Mass Spectrometer : Enabled

No Sample Prep method has been assigned to this method.

6890 GC METHOD

OVEN
Initial temp: 40 'C (On)
Initial time: 2.00 min
Maximum temp: 450 'C
Equilibration time: 0.50 min
Ramps:

#	Rate	Final temp	Final time
1	40.00	260	0.00
2	6.00	295	0.00
3	25.00	320	1.30
4	0.0(Off)		

Post temp: 0 'C
Post time: 0.00 min
Run time: 15.63 min

FRONT INLET (SPLIT/SPLITLESS)
Mode: Pulsed Split
Initial temp: 250 'C (On)
Pressure: 10.79 psi (On)
Split ratio: 10:1
Pulse pressure: 25.0 psi
Pulse time: 0.40 min
Split flow: 13.7 mL/min
Total flow: 18.4 mL/min
Gas saver: Off
Gas type: Helium

BACK INLET (UNKNOWN)

COLUMN 1
Capillary Column
Model Number: Phenomen 7HG-G027-11
ZB-Semivoa
Max temperature: 325 'C
Nominal length: 30.0 m
Nominal diameter: 250.00 um
Nominal film thickness: 0.25 um
Mode: constant flow
Initial flow: 1.4 mL/min
Nominal init pressure: 10.80 psi
Average velocity: 43 cm/sec
Inlet: Front Inlet
Outlet: (unspecified)
Outlet pressure: vacuum

COLUMN 2
(not installed)

FRONT DETECTOR (NO DET)

BACK DETECTOR (NO DET)

SIGNAL 1
Data rate: 20 Hz

SIGNAL 2
Data rate: 20 Hz

Type: test plot
Save Data: Off
Zero: 0.0 (Off)
Range: 0
Fast Peaks: Off
Attenuation: 0

Type: test plot
Save Data: Off
Zero: 0.0 (Off)
Range: 0
Fast Peaks: Off
Attenuation: 0

COLUMN COMP 1
(No Detectors Installed)

COLUMN COMP 2
(No Detectors Installed)

THERMAL AUX 2
Use: MSD Transfer Line Heater
Description: Transfer Line
Initial temp: 290 'C (On)
Initial time: 0.00 min

#	Rate	Final temp	Final time
1	0.0	(Off)	

POST RUN
Post Time: 0.00 min

TIME TABLE

Time	Specifier	Parameter & Setpoint

GC Injector

Front Injector:
Injector not configured, use these parameters if it becomes configured

Sample Washes	1
Sample Pumps	2
Injection Volume	1.00 microliters
Syringe Size	10.0 microliters
PostInj Solvent A Washes	3
PostInj Solvent B Washes	3
Viscosity Delay	2 seconds
Plunger Speed	Slow

Back Injector:
No parameters specified

Column 1 Inventory Number : AB006
Column 2 Inventory Number :

MS ACQUISITION PARAMETERS

General Information

Tune File	: dftpp102225.u
Acquistion Mode	: Scan

MS Information

Solvent Delay	: 2.20 min
EMV Mode	: Relative
Relative Voltage	: 0
Resulting EM Voltage	: 1659

[Scan Parameters]

```
Low Mass                : 35.0
High Mass               : 450.0
Threshold               : 150
Sample #                : 1       A/D Samples    2
Plot 2 low mass         : 50.0
Plot 2 high mass        : 550.0

[MSZones]

MS Source               : 230 C   maximum 250 C
MS Quad                 : 150 C   maximum 200 C
```

END OF MS ACQUISITION PARAMETERS

TUNE PARAMETERS for SN: US10440464

Trace Ion Detection is OFF.

```
 EMISSION     :      34.610
 ENERGY       :      69.922
 REPELLER     :      28.950
 IONFOCUS     :      88.259
 ENTRANCE_LE  :       0.000
 EMVOLTS      :    1658.824
                             Actual EMV  :    1658.82
                             GAIN FACTOR :       0.63
 AMUGAIN      :    2459.000
 AMUOFFSET    :     135.000
 FILAMENT     :       1.000
 DCPOLARITY   :       0.000
 ENTLENSOFFS  :    16.816@  3    16.816@ 50    16.565@ 69    17.067@131    18.071@219    15.812@
414    16.710@502    16.310@799
 MASSGAIN     :     211.000
 MASSOFFSET   :     -10.000
```

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

DATA ANALYSIS PARAMETERS

Method Name: C:\MSDCHEM\1\METHODS\BN210245.M

Percent Report Settings

Sort By: Retention Time

Output Destination
    Screen: No
    Printer: Yes
    File: No

Integration Events: Meth Default

Generate Report During Run Method: No

Signal Correlation Window: 0.020

Qualitative Report Settings

Peak Location of Unknown: Apex

Library to Search	Minimum Quality
C:\Database\NIST08.L	0

Integration Events: Meth Default

Report Type: Summary

Output Destination
    Screen: Yes
    Printer: No
    File: No

Generate Report During Run Method: No

Quantitative Report Settings

Report Type: Summary

Output Destination
    Screen: No
    Printer: No
    File: No

Generate Report During Run Method: Yes

Semivolatiles by GC/MS by modified 8270
Calibration Last Updated: Tue Nov 04 14:25:45 2025

Reference Window: 0.30 Minutes
Non-Reference Window: 0.30 Minutes
Correlation Window: 0.10 minutes
Default Multiplier: 1.00
Default Sample Concentration: 0.00

Compound Information

---

1) 1,4-Dichlorobenzene-D4 (ISTD TR)

Ret. Time 4.702 min., Extract & Integrate from 4.625 to 4.799 min.

Signal	Rel Resp.	Pct. Unc.(rel)	Integration
Tgt 152.10			*** METH DEFAULT ***
Q1 150.10	151.90	20.0	*** METH DEFAULT ***
Q2 115.10	57.40	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		40.000	60059
5		40.000	57635
10		40.000	58341
20		40.000	64120
50		40.000	68730
80		40.000	62725
100		40.000	54291
120		40.000	52447
160		40.000	50023
1		40.000	51711

Qualifier Peak Analysis ON ISTD conc: 40.000 ug/ml
Curve Fit: Avg. RF

---

2) 2-Fluorophenol ( )

Ret. Time 3.840 min., Extract & Integrate from 3.766 to 3.935 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 112.10			*** METH DEFAULT ***
Q1 64.20	57.80	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		10.000	14816
10		20.000	31479
20		40.000	68491
50		100.000	172205
80		160.000	269920
100		200.000	333422
120		240.000	386495
160		320.000	492349
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

3) Phenol-d6 ( )

Ret. Time 4.465 min., Extract & Integrate from 4.366 to 4.584 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 99.20			*** METH DEFAULT ***
Q1 71.20	40.10	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		10.000	24719

10	20.000	53599
20	40.000	116158
50	100.000	286868
80	160.000	443943
100	200.000	542786
120	240.000	624334
160	320.000	782097
1	not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

4) N-Nitrosodimethylamine ( )

Ret. Time 2.766 min., Extract & Integrate from 2.709 to 2.849 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 42.20			*** METH DEFAULT ***
Q1 74.20	114.80	20.0	*** METH DEFAULT ***
Q2 43.20	41.50	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	5377
10		10.000	10837
20		20.000	22268
50		50.000	54936
80		80.000	84840
100		100.000	101246
120		120.000	116489
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

5) Pyridine ( )

Ret. Time 2.791 min., Extract & Integrate from 2.733 to 2.971 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 79.20			*** METH DEFAULT ***
Q1 52.20	66.20	20.0	*** METH DEFAULT ***
Q2 51.20	36.50	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	11843
10		10.000	23833
20		20.000	54341
50		50.000	134979
80		80.000	209285
100		100.000	251473
120		120.000	289764
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

6) Aniline ( )

Ret. Time 4.491 min., Extract & Integrate from 4.440 to 4.585 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 93.20			*** METH DEFAULT ***
Q1 66.20	34.30	20.0	*** METH DEFAULT ***

Q2	95.10	0.00	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	16683
10		10.000	36365
20		20.000	79000
50		50.000	191513
80		80.000	298988
100		100.000	354270
120		120.000	406828
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

7) Phenol ( )

Ret. Time 4.476 min., Extract & Integrate from 4.400 to 4.526 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	94.20			*** METH DEFAULT ***
Q1	65.20	28.00	20.0	*** METH DEFAULT ***
Q2	66.20	41.20	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	5440
5		5.000	13991
10		10.000	29360
20		20.000	65191
50		50.000	160495
80		80.000	250182
100		100.000	301473
120		120.000	355647
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

8) Bis(2-chloroethyl)ether ( )

Ret. Time 4.535 min., Extract & Integrate from 4.461 to 4.620 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	63.10			*** METH DEFAULT ***
Q1	93.10	142.10	20.0	*** METH DEFAULT ***
Q2	95.10	45.30	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	7354
10		10.000	15380
20		20.000	32740
50		50.000	81856
80		80.000	120702
100		100.000	148440
120		120.000	169892
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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9) 2-Chlorophenol ( )

Ret. Time 4.568 min., Extract & Integrate from 4.499 to 4.652 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 128.10			*** METH DEFAULT ***
Q1 64.20	43.00	20.0	*** METH DEFAULT ***
Q2 130.10	33.20	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	10346
10		10.000	22678
20		20.000	48896
50		50.000	123952
80		80.000	193424
100		100.000	238099
120		120.000	278008
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

10) 1,3-Dichlorobenzene ( )

Ret. Time 4.668 min., Extract & Integrate from 4.598 to 4.731 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 146.10			*** METH DEFAULT ***
Q1 148.10	63.40	20.0	*** METH DEFAULT ***
Q2 111.10	41.00	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	11856
10		10.000	23701
20		20.000	51678
50		50.000	129475
80		80.000	195804
100		100.000	241642
120		120.000	277368
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

11) 1,4-Dichlorobenzene ( )

Ret. Time 4.712 min., Extract & Integrate from 4.648 to 4.786 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 146.10			*** METH DEFAULT ***
Q1 148.10	64.30	20.0	*** METH DEFAULT ***
Q2 111.10	40.00	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	12000
10		10.000	24902
20		20.000	51587
50		50.000	133215
80		80.000	201644
100		100.000	247085
120		120.000	284672
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON

Curve Fit: Avg. RF

12) 1,2-Dichlorobenzene ( )

Ret. Time 4.810 min., Extract & Integrate from 4.744 to 4.897 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 146.10			*** METH DEFAULT ***
Q1 148.10	63.70	20.0	*** METH DEFAULT ***
Q2 111.10	42.80	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	11129
10		10.000	22949
20		20.000	48432
50		50.000	125605
80		80.000	191025
100		100.000	237627
120		120.000	272020
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

13) 2- METHYLPHENOL ( )

Ret. Time 4.859 min., Extract & Integrate from 4.816 to 4.912 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 108.20			*** METH DEFAULT ***
Q1 107.20	86.80	20.0	*** METH DEFAULT ***
Q2 77.20	52.50	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	9944
10		10.000	20616
20		20.000	43924
50		50.000	110852
80		80.000	176858
100		100.000	214652
120		120.000	251677
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

14) 2,2'-oxybis(1-chloropropane) ( )

Ret. Time 4.874 min., Extract & Integrate from 4.819 to 4.942 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 45.20			*** METH DEFAULT ***
Q1 77.10	44.70	20.0	*** METH DEFAULT ***
Q2 121.10	22.40	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	12214
10		10.000	25445
20		20.000	52563
50		50.000	130906
80		80.000	194991
100		100.000	239471

120	120.000	271574
160	not used for this compound	
1	not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

15) Acetophenone ( )

Ret. Time 4.957 min., Extract & Integrate from 4.883 to 5.028 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 105.10			*** METH DEFAULT ***
Q1 77.20	125.80	20.0	*** METH DEFAULT ***
Q2 120.20	27.80	20.0	*** METH DEFAULT ***

Lvl ID	Conc (ug/ml)	Response
2	not used for this compound	
5	5.000	15155
10	10.000	31282
20	20.000	66683
50	50.000	159806
80	80.000	241207
100	100.000	297046
120	120.000	336235
160	not used for this compound	
1	not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

16) 3/4- METHYLPHENOL ( )

Ret. Time 4.954 min., Extract & Integrate from 4.892 to 5.036 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 107.20			*** METH DEFAULT ***
Q1 108.20	90.10	20.0	*** METH DEFAULT ***
Q2 77.20	81.80	20.0	*** METH DEFAULT ***

Lvl ID	Conc (ug/ml)	Response
2	4.000	8605
5	10.000	23113
10	20.000	47905
20	40.000	104918
50	100.000	252959
80	160.000	388606
100	200.000	469722
120	240.000	535994
160	not used for this compound	
1	not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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17) N-Nitroso-Di-N-Propylamine ( )

Ret. Time 4.959 min., Extract & Integrate from 4.900 to 5.045 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 70.20			*** METH DEFAULT ***
Q1 42.20	61.50	20.0	*** METH DEFAULT ***
Q2 101.20	11.60	20.0	*** METH DEFAULT ***
Q3 130.20	27.20	20.0	*** METH DEFAULT ***

Lvl ID	Conc (ug/ml)	Response
2	not used for this compound	

5	5.000	7923
10	10.000	16449
20	20.000	34809
50	50.000	83128
80	80.000	124998
100	100.000	152531
120	120.000	172148
160	not used for this compound	
1	not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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18) Hexachloroethane ( )

Ret. Time 5.023 min., Extract & Integrate from 4.964 to 5.091 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 117.00			*** METH DEFAULT ***
Q1 200.90	79.30	20.0	*** METH DEFAULT ***
Q2 198.90	49.70	20.0	*** METH DEFAULT ***

Lvl ID	Conc (ug/ml)	Response
2	2.000	1833
5	5.000	4469
10	10.000	9470
20	20.000	19955
50	50.000	52072
80	80.000	78389
100	100.000	96839
120	120.000	111121
160	not used for this compound	
1	not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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19) NAPHTHALENE-d8 (ISTD TR)

Ret. Time 5.502 min., Extract & Integrate from 5.426 to 5.587 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 136.20			*** METH DEFAULT ***
Q1 68.20	2.80	20.0	*** METH DEFAULT ***

Lvl ID	Conc (ug/ml)	Response
2	40.000	243422
5	40.000	230634
10	40.000	231832
20	40.000	264231
50	40.000	277939
80	40.000	255357
100	40.000	226173
120	40.000	224851
160	40.000	207836
1	40.000	205750

Qualifier Peak Analysis ON ISTD conc: 40.000 ug/ml
Curve Fit: Avg. RF

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20) Nitrobenzene-d5 ( )

Ret. Time 5.054 min., Extract & Integrate from 4.997 to 5.126 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 82.20			*** METH DEFAULT ***
Q1 128.20	45.70	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	10864
10		10.000	23420
20		20.000	51264
50		50.000	126057
80		80.000	195846
100		100.000	241220
120		120.000	278380
160		160.000	357550
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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21) NITROBENZENE ( )

Ret. Time 5.067 min., Extract & Integrate from 4.998 to 5.145 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 77.20			*** METH DEFAULT ***
Q1 123.10	50.60	20.0	*** METH DEFAULT ***
Q2 65.20	14.50	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	11590
10		10.000	24276
20		20.000	52037
50		50.000	126281
80		80.000	197024
100		100.000	242353
120		120.000	279735
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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22) Isophorone ( )

Ret. Time 5.214 min., Extract & Integrate from 5.135 to 5.292 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 82.20			*** METH DEFAULT ***
Q1 95.20	6.80	20.0	*** METH DEFAULT ***
Q2 138.20	19.50	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	18892
10		10.000	41124
20		20.000	86531
50		50.000	218764
80		80.000	327457
100		100.000	406085
120		120.000	472003
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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23) 2-Nitrophenol ( )

Ret. Time 5.265 min., Extract & Integrate from 5.189 to 5.345 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 139.10			*** METH DEFAULT ***
Q1 109.10	23.60	20.0	*** METH DEFAULT ***
Q2 65.20	46.50	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	4836
10		10.000	10587
20		20.000	24750
50		50.000	64730
80		80.000	105421
100		100.000	130060
120		120.000	150879
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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24) 2,4-Dimethylphenol ( )

Ret. Time 5.283 min., Extract & Integrate from 5.212 to 5.372 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 122.20			*** METH DEFAULT ***
Q1 107.10	118.70	20.0	*** METH DEFAULT ***
Q2 121.20	61.50	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	9035
10		10.000	18554
20		20.000	39630
50		50.000	102711
80		80.000	158530
100		100.000	198406
120		120.000	233252
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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25) Bis(2-Chloroethoxy)methane ( )

Ret. Time 5.345 min., Extract & Integrate from 5.263 to 5.441 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 93.10			*** METH DEFAULT ***
Q1 95.10	32.20	20.0	*** METH DEFAULT ***
Q2 123.10	17.20	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	12834
10		10.000	26519
20		20.000	57221
50		50.000	143158
80		80.000	213531
100		100.000	266948
120		120.000	303411
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

26) Benzoic Acid ( )

Ret. Time 5.340 min., Extract & Integrate from 5.273 to 5.422 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 122.10			*** METH DEFAULT ***
Q1 105.10	115.40	20.0	*** METH DEFAULT ***
Q2 77.20	84.20	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		not used for this compound	
10		10.000	9276
20		20.000	22289
50		50.000	65282
80		80.000	109398
100		100.000	145062
120		not used for this compound	
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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27) 2,4-Dichlorophenol ( )

Ret. Time 5.412 min., Extract & Integrate from 5.357 to 5.486 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 162.00			*** METH DEFAULT ***
Q1 164.00	64.30	20.0	*** METH DEFAULT ***
Q2 98.10	36.30	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	7658
10		10.000	17148
20		20.000	38528
50		50.000	98405
80		80.000	157576
100		100.000	196344
120		120.000	228035
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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28) 1,2,4-Trichlorobenzene ( )

Ret. Time 5.466 min., Extract & Integrate from 5.368 to 5.540 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 180.00			*** METH DEFAULT ***
Q1 182.00	94.00	20.0	*** METH DEFAULT ***
Q2 145.00	30.20	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	9267
10		10.000	18783
20		20.000	40804
50		50.000	104313
80		80.000	162569
100		100.000	203168
120		120.000	234588

160 not used for this compound
1 not used for this compound

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

29) Naphthalene ( )

Ret. Time 5.517 min., Extract & Integrate from 5.445 to 5.593 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 128.20			*** METH DEFAULT ***
Q1 129.20	11.10	20.0	*** METH DEFAULT ***
Q2 127.20	14.20	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	13010
5		5.000	32095
10		10.000	66303
20		20.000	138954
50		50.000	343621
80		80.000	532234
100		100.000	656394
120		120.000	758954
160		not used for this compound	
1		1.000	6198

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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30) 4-Chloroaniline ( )

Ret. Time 5.545 min., Extract & Integrate from 5.477 to 5.636 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 127.10			*** METH DEFAULT ***
Q1 129.10	31.90	20.0	*** METH DEFAULT ***
Q2 65.20	27.60	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	12746
10		10.000	28742
20		20.000	63217
50		50.000	154598
80		80.000	236355
100		100.000	290192
120		120.000	326015
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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31) Hexachlorobutadiene ( )

Ret. Time 5.592 min., Extract & Integrate from 5.504 to 5.697 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 224.90			*** METH DEFAULT ***
Q1 222.90	63.60	20.0	*** METH DEFAULT ***
Q2 226.90	64.80	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	1749
5		5.000	4531
10		10.000	9573

20	20.000	20526
50	50.000	55186
80	80.000	84311
100	100.000	103709
120	120.000	122740
160	not used for this compound	
1	not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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32) 4-Chloro-3-Methylphenol ( )

Ret. Time 5.841 min., Extract & Integrate from 5.778 to 5.909 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 107.10			*** METH DEFAULT ***
Q1 144.10	28.60	20.0	*** METH DEFAULT ***
Q2 142.10	88.40	20.0	*** METH DEFAULT ***

Lvl ID	Conc (ug/ml)	Response
2	not used for this compound	
5	5.000	8260
10	10.000	18126
20	20.000	40666
50	50.000	101159
80	80.000	160977
100	100.000	204181
120	120.000	234288
160	not used for this compound	
1	not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

33) 2-MethylNaphthalene ( )

Ret. Time 5.944 min., Extract & Integrate from 5.888 to 5.991 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 142.20			*** METH DEFAULT ***
Q1 141.20	86.60	20.0	*** METH DEFAULT ***
Q2 115.20	32.60	20.0	*** METH DEFAULT ***

Lvl ID	Conc (ug/ml)	Response
2	2.000	8349
5	5.000	21207
10	10.000	45034
20	20.000	96298
50	50.000	237899
80	80.000	367350
100	100.000	457688
120	120.000	527819
160	not used for this compound	
1	1.000	4112

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

34) 1-Methylnaphthalene ( )

Ret. Time 6.006 min., Extract & Integrate from 5.939 to 6.091 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 142.20			*** METH DEFAULT ***
Q1 141.20	89.00	20.0	*** METH DEFAULT ***
Q2 115.10	34.10	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	7589
5		5.000	20256
10		10.000	42138
20		20.000	89521
50		50.000	221161
80		80.000	346824
100		100.000	436968
120		120.000	504181
160		not used for this compound	
1		1.000	3907

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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35) ACENAPHTHENE-D10 (ISTD TR)

Ret. Time 6.592 min., Extract & Integrate from 6.504 to 6.698 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	164.20			*** METH DEFAULT ***
Q1	162.20	95.50	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		40.000	135023
5		40.000	130342
10		40.000	129861
20		40.000	146893
50		40.000	156569
80		40.000	144353
100		40.000	132560
120		40.000	133676
160		40.000	115480
1		40.000	113474

Qualifier Peak Analysis ON ISTD conc: 40.000 ug/ml
Curve Fit: Avg. RF

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36) 2-Fluorobiphenyl ( )

Ret. Time 6.168 min., Extract & Integrate from 6.083 to 6.258 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	172.20			*** METH DEFAULT ***
Q1	170.10	22.30	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	20558
10		10.000	43722
20		20.000	94038
50		50.000	238578
80		80.000	367526
100		100.000	462716
120		120.000	534208
160		160.000	672067
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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37) 2,4,6-Tribromophenol ( )

Ret. Time 7.081 min., Extract & Integrate from 6.982 to 7.207 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration

Tgt	329.80			*** METH DEFAULT ***
Q1	331.80	98.00	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		10.000	4264
10		20.000	9986
20		40.000	23239
50		100.000	65961
80		160.000	105864
100		200.000	133473
120		240.000	163606
160		320.000	204260
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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38) Hexachlorocyclopentadiene ( )

Ret. Time 6.042 min., Extract & Integrate from 5.953 to 6.148 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	236.90			*** METH DEFAULT ***
Q1	234.90	63.50	20.0	*** METH DEFAULT ***
Q2	271.90	13.10	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	3955
10		10.000	9226
20		20.000	21224
50		50.000	61823
80		80.000	98680
100		100.000	126200
120		120.000	149410
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

39) 1,2,4,5-Tetrachlorobenzene ( )

Ret. Time 6.049 min., Extract & Integrate from 5.990 to 6.125 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	216.00			*** METH DEFAULT ***
Q1	214.00	78.20	20.0	*** METH DEFAULT ***
Q2	179.00	21.00	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	3462
5		5.000	8812
10		10.000	17974
20		20.000	39804
50		50.000	103513
80		80.000	162384
100		100.000	206647
120		120.000	237528
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

40) 2,4,6-Trichlorophenol ( )

Ret. Time 6.116 min., Extract & Integrate from 6.057 to 6.160 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	196.00			*** METH DEFAULT ***
Q1	198.00	95.70	20.0	*** METH DEFAULT ***
Q2	200.00	30.30	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	5229
10		10.000	11927
20		20.000	26510
50		50.000	69761
80		80.000	110985
100		100.000	141760
120		120.000	168676
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

41) 2,4,5-Trichlorophenol ( )

Ret. Time 6.139 min., Extract & Integrate from 6.083 to 6.260 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	196.00			*** METH DEFAULT ***
Q1	198.00	88.90	20.0	*** METH DEFAULT ***
Q2	200.00	28.10	20.0	*** METH DEFAULT ***
Q3	200.00	28.10	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	5543
10		10.000	12614
20		20.000	27604
50		50.000	73796
80		80.000	115926
100		100.000	149170
120		120.000	174531
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

42) 2-ChloroNaphthalene ( )

Ret. Time 6.250 min., Extract & Integrate from 6.178 to 6.357 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	162.10			*** METH DEFAULT ***
Q1	127.10	38.10	20.0	*** METH DEFAULT ***
Q2	164.10	33.50	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	22937
10		10.000	48416
20		20.000	103481
50		50.000	249751
80		80.000	406778
100		100.000	502934
120		120.000	581853
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

43) 2-Nitroaniline ( )

Ret. Time 6.307 min., Extract & Integrate from 6.220 to 6.394 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 65.20			*** METH DEFAULT ***
Q1 92.20	70.30	20.0	*** METH DEFAULT ***
Q2 138.10	121.80	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	5298
10		10.000	11638
20		20.000	26734
50		50.000	66669
80		80.000	107579
100		100.000	133391
120		120.000	155745
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

44) 1,1-Biphenyl ( )

Ret. Time 6.232 min., Extract & Integrate from 6.032 to 6.432 min.

Signal	Rel Resp.	Pct. Unc.(rel)	Integration
Tgt 154.20			*** METH DEFAULT ***
Q1 153.20	41.20	20.0	*** METH DEFAULT ***
Q2 152.20	27.50	20.0	*** METH DEFAULT ***
Q3 76.20	14.60	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	9778
5		5.000	24534
10		10.000	51031
20		20.000	109479
50		50.000	273525
80		80.000	415350
100		100.000	526730
120		120.000	609129
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

45) DIMETHYL PHTHALATE ( )

Ret. Time 6.412 min., Extract & Integrate from 6.321 to 6.513 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 163.10			*** METH DEFAULT ***
Q1 194.10	6.00	20.0	*** METH DEFAULT ***
Q2 164.10	10.40	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	8056
5		5.000	20557
10		10.000	42097
20		20.000	91646

50	50.000	232801
80	80.000	354424
100	100.000	437973
120	120.000	521413
160	not used for this compound	
1	not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

46) 2,6-DinitroToluene ( )

Ret. Time 6.453 min., Extract & Integrate from 6.376 to 6.535 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 165.10			*** METH DEFAULT ***
Q1 63.20	55.40	20.0	*** METH DEFAULT ***
Q2 89.20	54.90	20.0	*** METH DEFAULT ***

Lvl ID	Conc (ug/ml)	Response
2	not used for this compound	
5	5.000	3838
10	10.000	9085
20	20.000	20581
50	50.000	54815
80	80.000	86009
100	100.000	108941
120	120.000	130165
160	not used for this compound	
1	not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

47) Acenaphthylene ( )

Ret. Time 6.505 min., Extract & Integrate from 6.396 to 6.596 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 152.20			*** METH DEFAULT ***
Q1 151.20	21.00	20.0	*** METH DEFAULT ***
Q2 153.10	13.10	20.0	*** METH DEFAULT ***

Lvl ID	Conc (ug/ml)	Response
2	2.000	11685
5	5.000	29992
10	10.000	64659
20	20.000	138861
50	50.000	351462
80	80.000	542536
100	100.000	684358
120	120.000	790152
160	not used for this compound	
1	1.000	5863

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

48) 3-Nitroaniline ( )

Ret. Time 6.561 min., Extract & Integrate from 6.511 to 6.617 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 138.10			*** METH DEFAULT ***
Q1 108.10	9.40	20.0	*** METH DEFAULT ***
Q2 92.20	105.60	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	4900
10		10.000	11748
20		20.000	26662
50		50.000	68163
80		80.000	105152
100		100.000	128414
120		120.000	151823
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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49) Acenaphthene ( )

Ret. Time 6.613 min., Extract & Integrate from 6.534 to 6.711 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	154.20			*** METH DEFAULT ***
Q1	153.20	97.80	20.0	*** METH DEFAULT ***
Q2	152.20	48.00	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	7874
5		5.000	20439
10		10.000	43101
20		20.000	91986
50		50.000	234469
80		80.000	361963
100		100.000	457705
120		120.000	531298
160		not used for this compound	
1		1.000	3959

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

50) 2,4-Dinitrophenol ( )

Ret. Time 6.623 min., Extract & Integrate from 6.522 to 6.715 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	184.10			*** METH DEFAULT ***
Q1	63.20	59.20	20.0	*** METH DEFAULT ***
Q2	154.10	0.00	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		not used for this compound	
10		10.000	2811
20		20.000	8084
50		50.000	27787
80		80.000	52269
100		100.000	66110
120		120.000	87694
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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51) 4-Nitrophenol ( )

Ret. Time 6.654 min., Extract & Integrate from 6.591 to 6.748 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	109.10			*** METH DEFAULT ***
Q1	139.10	180.60	20.0	*** METH DEFAULT ***
Q2	65.20	156.10	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	1893
10		10.000	4605
20		20.000	11088
50		50.000	28940
80		80.000	48002
100		100.000	59374
120		120.000	72573
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

52) Dibenzofuran ( )

Ret. Time 6.718 min., Extract & Integrate from 6.652 to 6.793 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	168.10			*** METH DEFAULT ***
Q1	139.10	36.80	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	11071
5		5.000	27679
10		10.000	56560
20		20.000	120262
50		50.000	302327
80		80.000	466118
100		100.000	586002
120		120.000	678372
160		not used for this compound	
1		1.000	5446

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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53) 2,4-Dinitrotoluene ( )

Ret. Time 6.703 min., Extract & Integrate from 6.647 to 6.769 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	165.10			*** METH DEFAULT ***
Q1	63.20	44.10	20.0	*** METH DEFAULT ***
Q2	89.20	76.60	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	5390
10		10.000	12011
20		20.000	27946
50		50.000	73923
80		80.000	117246
100		100.000	142653
120		120.000	176665
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

54) DIETHYL PHTHALATE ( )

Ret. Time 6.849 min., Extract & Integrate from 6.774 to 6.932 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 149.10			*** METH DEFAULT ***
Q1 177.10	21.40	20.0	*** METH DEFAULT ***
Q2 150.10	12.50	20.0	*** METH DEFAULT ***

Lvl ID	Conc (ug/ml)	Response
2	not used for this compound	
5	5.000	19373
10	10.000	40619
20	20.000	86705
50	50.000	224985
80	80.000	327112
100	100.000	403426
120	120.000	486508
160	not used for this compound	
1	not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

55) 4-Chlorophenyl phenyl ether ( )

Ret. Time 6.924 min., Extract & Integrate from 6.869 to 6.990 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 204.10			*** METH DEFAULT ***
Q1 206.10	33.70	20.0	*** METH DEFAULT ***
Q2 141.10	59.00	20.0	*** METH DEFAULT ***

Lvl ID	Conc (ug/ml)	Response
2	not used for this compound	
5	5.000	9783
10	10.000	19282
20	20.000	42598
50	50.000	111039
80	80.000	167202
100	100.000	212362
120	120.000	251223
160	not used for this compound	
1	not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

56) Flourene ( )

Ret. Time 6.931 min., Extract & Integrate from 6.881 to 7.000 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 166.20			*** METH DEFAULT ***
Q1 165.10	91.40	20.0	*** METH DEFAULT ***
Q2 167.20	13.60	20.0	*** METH DEFAULT ***

Lvl ID	Conc (ug/ml)	Response
2	2.000	8975
5	5.000	22644
10	10.000	46560
20	20.000	102064
50	50.000	257855
80	80.000	396972
100	100.000	491739
120	120.000	580149
160	not used for this compound	
1	1.000	4316

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

57) 4-Nitroaniline ( )

Ret. Time 6.939 min., Extract & Integrate from 6.877 to 7.024 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 138.10			*** METH DEFAULT ***
Q1 65.20	92.90	20.0	*** METH DEFAULT ***
Q2 108.10	58.90	20.0	*** METH DEFAULT ***

Lvl ID	Conc (ug/ml)	Response
2	not used for this compound	
5	5.000	5577
10	10.000	12679
20	20.000	27926
50	50.000	72508
80	80.000	117048
100	100.000	145317
120	120.000	175195
160	not used for this compound	
1	not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

58) PHENANTHRENE-D10 (ISTD TR)

Ret. Time 7.513 min., Extract & Integrate from 7.440 to 7.588 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 188.20			*** METH DEFAULT ***
Q1 94.20	6.30	20.0	*** METH DEFAULT ***
Q2 80.20	6.80	20.0	*** METH DEFAULT ***

Lvl ID	Conc (ug/ml)	Response
2	40.000	219096
5	40.000	211805
10	40.000	207852
20	40.000	234309
50	40.000	252852
80	40.000	231840
100	40.000	205906
120	40.000	216468
160	40.000	184574
1	40.000	187235

Qualifier Peak Analysis ON ISTD conc: 40.000 ug/ml
Curve Fit: Avg. RF

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59) 4,6-Dinitro-2-Methylphenol ( )

Ret. Time 6.957 min., Extract & Integrate from 6.909 to 7.037 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 198.10			*** METH DEFAULT ***
Q1 51.20	44.70	20.0	*** METH DEFAULT ***
Q2 105.10	46.00	20.0	*** METH DEFAULT ***

Lvl ID	Conc (ug/ml)	Response
2	not used for this compound	
5	not used for this compound	
10	10.000	4876
20	20.000	13242
50	50.000	41970

80	80.000	72062
100	100.000	90479
120	120.000	114059
160	not used for this compound	
1	not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Linear

---

60) N-Nitrosodiphenylamine ( )

Ret. Time 6.996 min., Extract & Integrate from 6.950 to 7.052 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 169.20			*** METH DEFAULT ***
Q1 168.20	64.60	20.0	*** METH DEFAULT ***
Q2 167.20	34.50	20.0	*** METH DEFAULT ***

Lvl ID	Conc (ug/ml)	Response
2	not used for this compound	
5	4.270	14960
10	8.540	31547
20	17.070	68276
50	42.680	173484
80	68.280	266990
100	85.350	328353
120	102.420	396030
160	not used for this compound	
1	not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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61) 1,2-Diphenylhydrazine ( )

Ret. Time 7.024 min., Extract & Integrate from 6.970 to 7.102 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 77.20			*** METH DEFAULT ***
Q1 51.20	29.10	20.0	*** METH DEFAULT ***
Q2 182.20	26.60	20.0	*** METH DEFAULT ***

Lvl ID	Conc (ug/ml)	Response
2	not used for this compound	
5	5.000	22792
10	10.000	47075
20	20.000	97065
50	50.000	246175
80	80.000	359427
100	100.000	442800
120	120.000	520248
160	not used for this compound	
1	not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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62) 4-Bromophenyl phenyl ether ( )

Ret. Time 7.227 min., Extract & Integrate from 7.178 to 7.300 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 248.00			*** METH DEFAULT ***
Q1 250.00	98.80	20.0	*** METH DEFAULT ***
Q2 141.10	74.00	20.0	*** METH DEFAULT ***

Lvl ID	Conc (ug/ml)	Response

2	not used for this compound	
5	5.000	5135
10	10.000	11103
20	20.000	23732
50	50.000	64447
80	80.000	99069
100	100.000	124665
120	120.000	150559
160	not used for this compound	
1	not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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63) Hexachlorobenzene ( )

Ret. Time 7.274 min., Extract & Integrate from 7.210 to 7.351 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	283.90			*** METH DEFAULT ***
Q1	142.00	42.00	20.0	*** METH DEFAULT ***
Q2	248.90	29.20	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	2433
5		5.000	5828
10		10.000	12126
20		20.000	26582
50		50.000	71163
80		80.000	112041
100		100.000	139885
120		120.000	170718
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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64) Pentachlorophenol ( )

Ret. Time 7.392 min., Extract & Integrate from 7.312 to 7.516 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	265.90			*** METH DEFAULT ***
Q1	263.90	62.40	20.0	*** METH DEFAULT ***
Q2	267.90	62.90	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		not used for this compound	
10		10.000	6276
20		20.000	15763
50		50.000	47427
80		80.000	77719
100		100.000	100766
120		120.000	125293
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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65) Pentachloronitrobenzene ( )

Ret. Time 7.402 min., Extract & Integrate from 7.335 to 7.481 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration

Tgt	294.90			*** METH DEFAULT ***
Q1	236.90	225.30	20.0	*** METH DEFAULT ***
Q2	213.90	150.60	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	870
10		10.000	1961
20		20.000	4559
50		50.000	13001
80		80.000	19993
100		100.000	24963
120		120.000	31505
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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66) Phenanthrene ( )

Ret. Time 7.528 min., Extract & Integrate from 7.472 to 7.592 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	178.20			*** METH DEFAULT ***
Q1	179.20	15.50	20.0	*** METH DEFAULT ***
Q2	176.10	19.00	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	13199
5		5.000	32328
10		10.000	67217
20		20.000	141314
50		50.000	351765
80		80.000	546309
100		100.000	659121
120		120.000	806648
160		not used for this compound	
1		1.000	7052

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

67) Anthracene ( )

Ret. Time 7.562 min., Extract & Integrate from 7.511 to 7.629 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	178.20			*** METH DEFAULT ***
Q1	176.10	18.30	20.0	*** METH DEFAULT ***
Q2	179.20	15.50	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	12500
5		5.000	32492
10		10.000	67757
20		20.000	143895
50		50.000	369240
80		80.000	560020
100		100.000	683674
120		120.000	836182
160		not used for this compound	
1		1.000	6346

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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68) Carbazole ( )

Ret. Time 7.657 min., Extract & Integrate from 7.567 to 7.773 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	167.20			*** METH DEFAULT ***
Q1	166.20	21.90	20.0	*** METH DEFAULT ***
Q2	139.10	13.50	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	11308
5		5.000	29528
10		10.000	61168
20		20.000	135723
50		50.000	345968
80		80.000	534265
100		100.000	662117
120		120.000	809463
160		not used for this compound	
1		1.000	5556

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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69) Di-N-Butyl Phthalate ( )

Ret. Time 7.873 min., Extract & Integrate from 7.796 to 7.956 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	149.10			*** METH DEFAULT ***
Q1	150.10	9.30	20.0	*** METH DEFAULT ***
Q2	104.10	5.20	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	25888
10		10.000	56287
20		20.000	130087
50		50.000	378402
80		80.000	516995
100		100.000	639547
120		120.000	788111
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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70) Flouranthene ( )

Ret. Time 8.366 min., Extract & Integrate from 8.282 to 8.453 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	202.20			*** METH DEFAULT ***
Q1	101.20	16.20	20.0	*** METH DEFAULT ***
Q2	203.20	17.50	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	11448
5		5.000	29503
10		10.000	61912
20		20.000	140473
50		50.000	378572
80		80.000	584051
100		100.000	734570
120		120.000	902349
160		not used for this compound	
1		1.000	6047

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

71) CHRYSENE-D12 (ISTD TR)

Ret. Time 9.915 min., Extract & Integrate from 9.812 to 10.023 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 240.20			*** METH DEFAULT ***
Q1 236.20	24.90	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		40.000	171008
5		40.000	165122
10		40.000	164446
20		40.000	209217
50		40.000	243698
80		40.000	233617
100		40.000	210996
120		40.000	222361
160		40.000	192426
1		40.000	150482

Qualifier Peak Analysis ON ISTD conc: 40.000 ug/ml
Curve Fit: Avg. RF

---

72) p-Terphenyl-d14 ( )

Ret. Time 8.690 min., Extract & Integrate from 8.593 to 8.787 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 244.20			*** METH DEFAULT ***
Q1 245.30	19.70	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	16625
10		10.000	34878
20		20.000	83132
50		50.000	240114
80		80.000	360821
100		100.000	452049
120		120.000	563747
160		160.000	704837
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

73) Benzidine ( )

Ret. Time 8.467 min., Extract & Integrate from 8.371 to 8.629 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 184.20			*** METH DEFAULT ***
Q1 92.10	6.60	20.0	*** METH DEFAULT ***
Q2 185.20	13.90	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	3453
5		5.000	10510
10		10.000	23734
20		20.000	60651
50		50.000	142309
80		80.000	199461
100		not used for this compound	

120 not used for this compound
160 not used for this compound
1 not used for this compound

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

74) Pyrene ( )

Ret. Time 8.562 min., Extract & Integrate from 8.453 to 8.668 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 202.20			*** METH DEFAULT ***
Q1 200.10	20.10	20.0	*** METH DEFAULT ***
Q2 203.20	18.10	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	12018
5		5.000	31833
10		10.000	65849
20		20.000	150679
50		50.000	401463
80		80.000	626155
100		100.000	784523
120		120.000	959044
160		not used for this compound	
1		1.000	6134

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

75) Butylbenzyl phthalate ( )

Ret. Time 9.197 min., Extract & Integrate from 9.120 to 9.292 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 149.10			*** METH DEFAULT ***
Q1 91.20	62.50	20.0	*** METH DEFAULT ***
Q2 206.10	20.20	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	9680
10		10.000	21081
20		20.000	53277
50		50.000	173861
80		80.000	247565
100		100.000	307900
120		120.000	382731
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

76) 3,3'-Dichlorobenzidine ( )

Ret. Time 9.868 min., Extract & Integrate from 9.767 to 9.997 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 252.10			*** METH DEFAULT ***
Q1 254.10	66.10	20.0	*** METH DEFAULT ***
Q2 126.10	13.80	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		5.000	7129

10	10.000	16229
20	20.000	43457
50	50.000	127224
80	80.000	205312
100	100.000	257245
120	120.000	293108
160	not used for this compound	
1	not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

77) Benzo(a)anthracene ( )

Ret. Time 9.902 min., Extract & Integrate from 9.819 to 9.980 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	228.20			*** METH DEFAULT ***
Q1	229.20	18.90	20.0	*** METH DEFAULT ***
Q2	226.10	24.90	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	10577
5		5.000	26277
10		10.000	55302
20		20.000	135409
50		50.000	388979
80		80.000	626891
100		100.000	788930
120		120.000	948650
160		not used for this compound	
1		1.000	5489

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

78) Chrysene ( )

Ret. Time 9.953 min., Extract & Integrate from 9.888 to 10.055 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	228.20			*** METH DEFAULT ***
Q1	226.10	28.10	20.0	*** METH DEFAULT ***
Q2	229.20	18.90	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	10551
5		5.000	25933
10		10.000	55095
20		20.000	134299
50		50.000	373886
80		80.000	611491
100		100.000	758720
120		120.000	920131
160		not used for this compound	
1		1.000	5793

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

79) Bis(2-ethylhexyl)phthalate ( )

Ret. Time 9.976 min., Extract & Integrate from 9.886 to 10.070 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	149.10			*** METH DEFAULT ***
Q1	167.10	30.20	20.0	*** METH DEFAULT ***

Q2 279.20 7.30 20.0 *** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	3481
5		5.000	10309
10		10.000	24027
20		20.000	63657
50		50.000	229132
80		80.000	304346
100		100.000	374367
120		120.000	464786
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

80) PERYLENE-D12 (ISTD TR)

Ret. Time 12.360 min., Extract & Integrate from 12.230 to 12.490 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	264.20			*** METH DEFAULT ***
Q1	260.20	21.90	20.0	*** METH DEFAULT ***
Q2	265.20	22.30	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		40.000	188242
5		40.000	181074
10		40.000	176334
20		40.000	235284
50		40.000	256883
80		40.000	253232
100		40.000	229246
120		40.000	226415
160		40.000	197909
1		40.000	167070

Qualifier Peak Analysis ON ISTD conc: 40.000 ug/ml
Curve Fit: Avg. RF

---

81) Di-n-octylphthalate ( )

Ret. Time 11.072 min., Extract & Integrate from 10.960 to 11.202 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	149.10			*** METH DEFAULT ***
Q1	167.10	1.70	20.0	*** METH DEFAULT ***
Q2	43.20	8.10	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		not used for this compound	
5		not used for this compound	
10		10.000	30699
20		20.000	92258
50		50.000	363434
80		80.000	512041
100		100.000	637981
120		120.000	780035
160		not used for this compound	
1		not used for this compound	

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

82) Benzo(b)fluoranthene ( )

Ret. Time 11.653 min., Extract & Integrate from 11.549 to 11.718 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 252.20			*** METH DEFAULT ***
Q1 253.20	22.20	20.0	*** METH DEFAULT ***
Q2 125.10	14.50	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	9181
5		5.000	25170
10		10.000	53187
20		20.000	135834
50		50.000	385612
80		80.000	658784
100		100.000	836572
120		120.000	976143
160		not used for this compound	
1		1.000	4994

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

83) Benzo(k)fluoranthene ( )

Ret. Time 11.704 min., Extract & Integrate from 11.637 to 11.816 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 252.10			*** METH DEFAULT ***
Q1 253.10	20.70	20.0	*** METH DEFAULT ***
Q2 126.10	19.40	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	9496
5		5.000	22820
10		10.000	54386
20		20.000	141883
50		50.000	394207
80		80.000	653658
100		100.000	824203
120		120.000	954750
160		not used for this compound	
1		1.000	4774

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

84) Benzo(a)pyrene ( )

Ret. Time 12.252 min., Extract & Integrate from 12.125 to 12.384 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 252.20			*** METH DEFAULT ***
Q1 253.20	20.40	20.0	*** METH DEFAULT ***
Q2 125.10	14.00	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	8630
5		5.000	22318
10		10.000	49456
20		20.000	130396
50		50.000	366047
80		80.000	624233
100		100.000	782461
120		120.000	908195
160		not used for this compound	
1		1.000	4291

Qualifier Peak Analysis ON

Curve Fit: Avg. RF

85) Indeno(1,2,3-cd)pyrene ( )

Ret. Time 14.314 min., Extract & Integrate from 14.225 to 14.439 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 276.10			*** METH DEFAULT ***
Q1 138.10	25.00	20.0	*** METH DEFAULT ***
Q2 277.10	24.10	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	7898
5		5.000	20442
10		10.000	43978
20		20.000	113470
50		50.000	316523
80		80.000	543374
100		100.000	701304
120		120.000	801819
160		not used for this compound	
1		1.000	3934

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

86) Dibenz(a,h)anthracene ( )

Ret. Time 14.361 min., Extract & Integrate from 14.289 to 14.505 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 278.20			*** METH DEFAULT ***
Q1 139.10	21.10	20.0	*** METH DEFAULT ***
Q2 279.20	23.50	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	8095
5		5.000	21831
10		10.000	45614
20		20.000	120643
50		50.000	337137
80		80.000	575918
100		100.000	738296
120		120.000	840810
160		not used for this compound	
1		1.000	4079

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

87) Benzo(g,h,i)perylene ( )

Ret. Time 14.687 min., Extract & Integrate from 14.570 to 14.803 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 276.10			*** METH DEFAULT ***
Q1 138.10	25.60	20.0	*** METH DEFAULT ***
Q2 277.10	23.20	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	8774
5		5.000	23754
10		10.000	49955
20		20.000	130871
50		50.000	347932
80		80.000	581085
100		100.000	757074

120	120.000	860846
160	not used for this compound	
1	1.000	4441

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

88) 1,4-Dichlorobenzene-D4 (2) (ISTD)

Ret. Time 4.702 min., Extract & Integrate from 4.502 to 4.902 min.

Signal	Rel Resp.	Pct. Unc.(rel)	Integration
Tgt 152.00			*** METH DEFAULT ***
Q1 150.00	157.50	20.0	*** METH DEFAULT ***
Q2 115.00	56.30	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		40.000	-1
5		40.000	55773
10		40.000	58625
20		40.000	55480
50		40.000	54249
80		40.000	57177
100		40.000	57822
120		40.000	-1
160	not used for this compound		
1		40.000	-1

Qualifier Peak Analysis ON ISTD conc: 40.000 ug/ml
Curve Fit: Avg. RF

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89) 1,4-Dioxane ( )

Ret. Time 2.465 min., Extract & Integrate from 2.265 to 2.665 min.

Signal	Rel Resp.	Pct. Unc.(rel)	Integration
Tgt 88.10			*** METH DEFAULT ***
Q1 58.10	63.50	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	-1
5		5.000	5351
10		10.000	10120
20		20.000	21084
50		50.000	43085
80		80.000	68352
100		100.000	90125
120		120.000	-1
160	not used for this compound		
1		1.000	-1

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

90) Benzaldehyde ( )

Ret. Time 4.422 min., Extract & Integrate from 4.222 to 4.622 min.

Signal	Rel Resp.	Pct. Unc.(rel)	Integration
Tgt 106.10			*** METH DEFAULT ***
Q1 105.10	99.30	20.0	*** METH DEFAULT ***
Q2 77.10	101.60	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	-1
5		5.000	9691
10		10.000	18939

20	20.000	42809
50	50.000	86996
80	80.000	139945
100	100.000	181132
120	120.000	-1
160	not used for this compound	
1	1.000	-1

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

91) Benzyl Alcohol ( )

Ret. Time 4.787 min., Extract & Integrate from 4.587 to 4.987 min.

Signal	Rel Resp.	Pct. Unc.(rel)	Integration
Tgt 108.10			*** METH DEFAULT ***
Q1 79.10	121.60	20.0	*** METH DEFAULT ***
Q2 77.10	77.60	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	-1
5		5.000	5877
10		10.000	13267
20		20.000	29901
50		50.000	64019
80		80.000	107983
100		100.000	144437
120		120.000	-1
160		not used for this compound	
1		1.000	-1

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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92) NAPHTHALENE-d8 (2) (ISTD)

Ret. Time 5.502 min., Extract & Integrate from 5.302 to 5.702 min.

Signal	Rel Resp.	Pct. Unc.(rel)	Integration
Tgt 136.10			*** METH DEFAULT ***
Q1 68.10	7.90	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		40.000	-1
5		40.000	221328
10		40.000	234407
20		40.000	228369
50		40.000	217054
80		40.000	231007
100		40.000	235784
120		40.000	-1
160		not used for this compound	
1		40.000	-1

Qualifier Peak Analysis ON ISTD conc: 40.000 ug/ml
Curve Fit: Avg. RF

---

93) 2,6-Dichlorophenol ( )

Ret. Time 5.551 min., Extract & Integrate from 5.351 to 5.751 min.

Signal	Rel Resp.	Pct. Unc.(rel)	Integration
Tgt 162.00			*** METH DEFAULT ***
Q1 164.00	64.30	20.0	*** METH DEFAULT ***
Q2 63.10	56.40	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	-1
5		5.000	9028
10		10.000	19005
20		20.000	41297
50		50.000	86134
80		80.000	142710
100		100.000	190861
120		120.000	-1
160		not used for this compound	
1		1.000	-1

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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94) Caprolactam ( )

Ret. Time 5.754 min., Extract & Integrate from 5.554 to 5.954 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	113.10			*** METH DEFAULT ***
Q1	55.10	131.60	20.0	*** METH DEFAULT ***
Q2	56.10	96.40	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	-1
5		5.000	3332
10		10.000	6909
20		20.000	14908
50		50.000	34671
80		80.000	54526
100		100.000	71183
120		120.000	-1
160		not used for this compound	
1		1.000	-1

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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95) ACENAPHTHENE-D10 (2) (ISTD)

Ret. Time 6.592 min., Extract & Integrate from 6.392 to 6.792 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	164.10			*** METH DEFAULT ***
Q1	162.10	93.00	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		40.000	-1
5		40.000	125583
10		40.000	135792
20		40.000	121117
50		40.000	121260
80		40.000	130049
100		40.000	130920
120		40.000	-1
160		not used for this compound	
1		40.000	-1

Qualifier Peak Analysis ON ISTD conc: 40.000 ug/ml
Curve Fit: Avg. RF

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96) Biphenyl ( )

CMR - 11-18-25
on review removed
See compound #44
is a duplicate of same
compound.

Ret. Time 6.229 min., Extract & Integrate from 6.029 to 6.430 min.

Signal	Rel Resp.	Pct. Unc.(rel)	Integration

Tgt	154.10			*** METH DEFAULT ***
Q1	153.10	41.60	20.0	*** METH DEFAULT ***
Q2	152.10	27.20	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	-1
5		5.000	27273
10		10.000	55780
20		20.000	114884
50		50.000	238400
80		80.000	387666
100		100.000	508356
120		120.000	-1
160		not used for this compound	
1		1.000	-1

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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97) 2,3,4,6-Tetrachlorophenol ( )

Ret. Time 6.790 min., Extract & Integrate from 6.590 to 6.990 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	229.90			*** METH DEFAULT ***
Q1	231.90	131.80	20.0	*** METH DEFAULT ***
Q2	131.00	62.50	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	-1
5		5.000	4022
10		10.000	8196
20		20.000	17103
50		50.000	38825
80		80.000	65001
100		100.000	85818
120		120.000	-1
160		not used for this compound	
1		1.000	-1

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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98) Atrazine ( )

Ret. Time 7.320 min., Extract & Integrate from 7.120 to 7.520 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	200.10			*** METH DEFAULT ***
Q1	215.10	55.30	20.0	*** METH DEFAULT ***
Q2	216.10	7.70	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ug/ml)	Response
2		2.000	-1
5		5.000	5199
10		10.000	10465
20		20.000	20814
50		50.000	46698
80		80.000	74151
100		100.000	98828
120		120.000	-1
160		not used for this compound	
1		1.000	-1

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

END OF DATA ANALYSIS PARAMETERS

Tue Nov 04 15:24:07 2025

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Instrument ID:	GCMSSV2	Calibration:	2500833
Lab File ID:	B25S297023.D	Calibration Date:	10/24/25 00:00
Sequence:	S128430	Injection Date:	10/24/25
Lab Sample ID:	S128430-ICV1	Injection Time:	16:42

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
2,3,4,6-Tetrachlorophenol	A	50.00	44.2	0.2580526	0.228247		-11.6	30	
Atrazine	A	50.00	44.8	0.3130468	0.2807494		-10.3	30	
Benzaldehyde	A	50.00	31.8	1.330872	0.8454343		-36.5	30	*
Biphenyl	A	50.00	44.9	1.495152	1.343885		-10.1	30	
Caprolactam	A	50.00	44.0	0.1225767	0.1077891		-12.1	30	
Acenaphthene	A	50.00	40.8	1.283793	1.047111		-18.4	30	
Acenaphthylene	A	50.00	43.5	1.914559	1.664139		-13.1	30	
Acetophenone	A	50.00	41.0	2.06238	1.690607		-18.0	30	
Aniline	A	50.00	28.3	2.440195	1.379596		-43.5	30	*
Anthracene	A	50.00	41.5	1.249775	1.036537		-17.1	30	
Benzidine	A	50.00	34.5	0.4940335	0.3404411		-31.1	30	*
Benzo(a)anthracene	A	50.00	42.2	1.349457	1.138087		-15.7	30	
Benzo(a)pyrene	A	50.00	44.4	1.137268	1.009237		-11.3	30	
Benzo(b)fluoranthene	A	50.00	44.1	1.22697	1.081412		-11.9	30	
Benzo(g,h,i)perylene	A	50.00	45.6	1.123312	1.023438		-8.9	30	
Benzo(k)fluoranthene	A	50.00	43.7	1.217987	1.064995		-12.6	30	
Benzoic Acid	A	50.00	46.7	0.197483	0.184423		-6.6	30	
Bis(2-chloroethoxy)methane	A	50.00	41.3	0.4411299	0.3646285		-17.3	30	
Bis(2-chloroethyl)ether	A	50.00	42.4	1.026405	0.8705373		-15.2	30	
2,2'-oxybis(1-Chloropropane)	A	50.00	46.2	1.663981	1.536654		-7.7	30	
Bis(2-Ethylhexyl)phthalate	A	50.00	47.5	0.6136946	0.5835019		-4.9	30	
4-Bromophenylphenylether	A	50.00	41.7	0.2145394	0.1787691		-16.7	30	
Butylbenzylphthalate	A	50.00	45.1	0.5355861	0.4829713		-9.8	30	
Carbazole	A	50.00	43.8	1.161077	1.016301		-12.5	30	
4-Chloroaniline	A	50.00	30.2	0.4744047	0.2862479		-39.7	30	*
4-Chloro-3-methylphenol	A	50.00	40.4	0.317409	0.2566358		-19.1	30	
2-Chloronaphthalene	A	50.00	38.6	1.423093	1.098911		-22.8	30	
2-Chlorophenol	A	50.00	41.7	1.574548	1.312556		-16.6	30	
4-Chlorophenylphenylether	A	50.00	41.9	0.5983028	0.5016108		-16.2	30	
Chrysene	A	50.00	41.5	1.334226	1.106894		-17.0	30	

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Instrument ID:	GCMSSV2	Calibration:	2500833
Lab File ID:	B25S297016.D	Calibration Date:	10/24/25 00:00
Sequence:	S128430	Injection Date:	10/24/25
Lab Sample ID:	S128430-ICV1	Injection Time:	16:42

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Dibenz(a,h)anthracene	A	50.00	45.5	1.063838	0.9690329		-8.9	30
Dibenzofuran	A	50.00	41.7	1.695239	1.413506		-16.6	30
Di-n-butylphthalate	A	50.00	44.0	1.13423	0.9975853		-12.0	30
1,2-Dichlorobenzene	A	50.00	42.5	1.584745	1.346909		-15.0	30
1,3-Dichlorobenzene	A	50.00	42.5	1.641949	1.397115		-14.9	30
1,4-Dichlorobenzene	A	50.00	42.6	1.681392	1.431937		-14.8	30
3,3-Dichlorobenzidine	A	50.00	39.3	0.4199577	0.3298989		-21.4	30
2,4-Dichlorophenol	A	50.00	42.8	0.3043154	0.2604292		-14.4	30
Diethylphthalate	A	50.00	41.3	1.190546	0.982441		-17.5	30
2,4-Dimethylphenol	A	50.00	43.2	0.3194593	0.2761624		-13.6	30
Dimethylphthalate	A	50.00	42.2	1.254799	1.059569		-15.6	30
4,6-Dinitro-2-methylphenol	L	50.00	43.5	0.1410788	0.1293031		-13.0	30
2,4-Dinitrophenol	A	50.00	49.8	0.1563061	0.1555992		-0.5	30
2,4-Dinitrotoluene	A	50.00	44.7	0.3908701	0.3496463		-10.5	30
2,6-Dinitrotoluene	A	50.00	45.7	0.2895602	0.2647788		-8.6	30
Di-n-octylphthalate	A	50.00	41.9	0.9808358	0.8217379		-16.2	30
1,2-Diphenylhydrazine/Azobenzene	A	50.00	41.6	0.8300961	0.6907698		-16.8	30
Fluoranthene	A	50.00	43.2	1.235066	1.067729		-13.5	30
Fluorene	A	50.00	42.1	1.409714	1.187		-15.8	30
Hexachlorobenzene	A	50.00	44.0	0.2379867	0.2095851		-11.9	30
Hexachlorobutadiene	A	50.00	46.0	0.163838	0.1506132		-8.1	30
Hexachlorocyclopentadiene	A	50.00	48.9	0.3181379	0.3112138		-2.2	30
Hexachloroethane	A	50.00	44.3	0.6441402	0.5702472		-11.5	30
Indeno(1,2,3-cd)pyrene	A	50.00	46.3	1.012116	0.9376731		-7.4	30
Isophorone	A	50.00	45.0	0.6726545	0.6056215		-10.0	30
1-Methylnaphthalene	A	50.00	41.8	0.7029169	0.5877824		-16.4	30
2-Methylnaphthalene	A	50.00	38.2	0.7469839	0.5713199		-23.5	30
2-Methylphenol	A	50.00	41.6	1.434992	1.193926		-16.8	30
3/4-Methylphenol	A	50.00	42.4	1.59626	1.355255		-15.1	30

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Instrument ID:	GCMSSV2	Calibration:	2500833
Lab File ID:	B25S297016.D	Calibration Date:	10/24/25 00:00
Sequence:	S128430	Injection Date:	10/24/25
Lab Sample ID:	S128430-ICV1	Injection Time:	16:42

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Naphthalene	A	50.00	42.0	1.10001	0.9248058		-15.9	30
2-Nitroaniline	A	50.00	51.2	0.3645414	0.3735144		2.5	30
3-Nitroaniline	A	50.00	38.6	0.3577428	0.2758687		-22.9	30
4-Nitroaniline	A	50.00	43.5	0.3949041	0.3433838		-13.0	30
Nitrobenzene	A	50.00	41.9	0.4010463	0.3361951		-16.2	30
2-Nitrophenol	A	50.00	44.5	0.1977391	0.1758469		-11.1	30
4-Nitrophenol	A	50.00	46.1	0.1547519	0.1425577		-7.9	30
N-Nitrosodimethylamine	A	50.00	40.3	0.7122818	0.5740606		-19.4	30
N-Nitrosodiphenylamine/Diphenylamine	A	50.00	42.1	0.6896138	0.5816868		-15.7	30
N-Nitrosodi-n-propylamine	A	50.00	39.9	1.070739	0.8547062		-20.2	30
N-Nitrosomorpholine	A		0.00					30
Pentachloronitrobenzene	A	50.00	44.3	4.153899E-02	3.677048E-02		-11.5	30
Pentachlorophenol	A	50.00	45.0	0.1602803	0.1442363		-10.0	30
Phenanthrene	A	50.00	40.5	1.249551	1.01239		-19.0	30
Phenol	A	50.00	40.8	2.017986	1.646752		-18.4	30
Pyrene	A	50.00	40.9	1.467047	1.199433		-18.2	30
Pyridine	A	50.00	43.8	1.700956	1.490588		-12.4	30
1,2,4,5-Tetrachlorobenzene	A	50.00	45.0	0.557057	0.5013372		-10.0	30
1,2,4-Trichlorobenzene	A	50.00	43.9	0.3257174	0.2856939		-12.3	30
2,4,5-Trichlorophenol	A	50.00	45.4	0.395503	0.3595178		-9.1	30
2,4,6-Trichlorophenol	A	50.00	44.0	0.3769288	0.3317414		-12.0	30
2-Fluorophenol	A		0.00	1.117548				
Phenol-d6	A		10.0	1.842676				
Nitrobenzene-d5	A		10.0	0.3980805				
2-Fluorobiphenyl	A		10.0	1.320526				
2,4,6-Tribromophenol	A		0.00	0.1776466				
p-Terphenyl-d14	A		50.0	0.8283524				

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Instrument ID:	GCMSSV2	Calibration:	2500833
Lab File ID:	B25S329003.D	Calibration Date:	10/24/25 00:00
Sequence:	S129060	Injection Date:	11/25/25
Lab Sample ID:	S129060-CCV1	Injection Time:	14:08

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Biphenyl	A	50.00	53.5	1.495152	1.600547		7.0	20	
Acenaphthene	A	50.00	51.0	1.283793	1.308101		1.9	20	
Acenaphthylene	A	50.00	51.6	1.914559	1.976639		3.2	20	
Acetophenone	A	50.00	49.5	2.06238	2.041434		-1.0	20	
Aniline	A	50.00	40.0	2.440195	1.953671		-19.9	20	
Anthracene	A	50.00	47.1	1.249775	1.177856		-5.8	20	
Benzo(a)anthracene	A	50.00	47.3	1.349457	1.276789		-5.4	20	
Benzo(a)pyrene	A	50.00	50.0	1.137268	1.137574		0.03	20	
Benzo(b)fluoranthene	A	50.00	49.0	1.22697	1.201741		-2.1	20	
Benzo(g,h,i)perylene	A	50.00	47.2	1.123312	1.059525		-5.7	20	
Benzo(k)fluoranthene	A	50.00	48.0	1.217987	1.168618		-4.1	20	
Bis(2-chloroethoxy)methane	A	50.00	47.8	0.4411299	0.4212422		-4.5	20	
Bis(2-chloroethyl)ether	A	50.00	49.9	1.026405	1.023668		-0.3	20	
2,2'-oxybis(1-Chloropropane)	A	50.00	42.1	1.663981	1.400645		-15.8	20	
Bis(2-Ethylhexyl)phthalate	A	50.00	63.7	0.6136946	0.781531		27.3	20	*
4-Bromophenylphenylether	A	50.00	53.5	0.2145394	0.2294716		7.0	20	
Butylbenzylphthalate	A	50.00	53.8	0.5355861	0.575743		7.5	20	
Carbazole	A	50.00	48.0	1.161077	1.113751		-4.1	20	
4-Chloroaniline	A	50.00	43.1	0.4744047	0.4088204		-13.8	20	
4-Chloro-3-methylphenol	A	50.00	50.9	0.317409	0.3228373		1.7	20	
2-Chloronaphthalene	A	50.00	51.9	1.423093	1.477825		3.8	20	
2-Chlorophenol	A	50.00	48.6	1.574548	1.530592		-2.8	20	
4-Chlorophenylphenylether	A	50.00	54.1	0.5983028	0.6472981		8.2	20	
Chrysene	A	50.00	45.6	1.334226	1.21806		-8.7	20	
Dibenz(a,h)anthracene	A	50.00	49.3	1.063838	1.048358		-1.5	20	
Dibenzofuran	A	50.00	50.9	1.695239	1.725058		1.8	20	
Di-n-butylphthalate	A	50.00	54.2	1.13423	1.230442		8.5	20	
3,3-Dichlorobenzidine	A	50.00	54.9	0.4199577	0.4611167		9.8	20	
2,4-Dichlorophenol	A	50.00	51.6	0.3043154	0.3141952		3.2	20	
Diethylphthalate	A	50.00	52.9	1.190546	1.259597		5.8	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Instrument ID:	GCMSSV2	Calibration:	2500833
Lab File ID:	B25S329003.D	Calibration Date:	10/24/25 00:00
Sequence:	S129060	Injection Date:	11/25/25
Lab Sample ID:	S129060-CCV1	Injection Time:	14:08

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2,4-Dimethylphenol	A	50.00	52.2	0.3194593	0.3336589		4.4	20	
Dimethylphthalate	A	50.00	53.2	1.254799	1.333919		6.3	20	
4,6-Dinitro-2-methylphenol	L	50.00	50.4	0.1410788	0.1549646		0.8	20	
2,4-Dinitrophenol	A	50.00	64.8	0.1563061	0.2024181		29.5	20	*
2,4-Dinitrotoluene	A	50.00	54.3	0.3908701	0.4246655		8.6	20	
2,6-Dinitrotoluene	A	50.00	54.2	0.2895602	0.3140636		8.5	20	
Di-n-octylphthalate	A	50.00	60.7	0.9808358	1.191098		21.4	20	*
Fluoranthene	A	50.00	50.2	1.235066	1.23898		0.3	20	
Fluorene	A	50.00	50.8	1.409714	1.431494		1.5	20	
Hexachlorobenzene	A	50.00	52.6	0.2379867	0.2505942		5.3	20	
Hexachlorobutadiene	A	50.00	55.7	0.163838	0.1826334		11.5	20	
Hexachlorocyclopentadiene	A	50.00	56.3	0.3181379	0.3582572		12.6	20	
Hexachloroethane	A	50.00	52.0	0.6441402	0.6693627		3.9	20	
Indeno(1,2,3-cd)pyrene	A	50.00	51.1	1.012116	1.034068		2.2	20	
Isophorone	A	50.00	48.8	0.6726545	0.6564516		-2.4	20	
1-Methylnaphthalene	A	50.00	49.5	0.7029169	0.6956224		-1.0	20	
2-Methylnaphthalene	A	50.00	48.4	0.7469839	0.722433		-3.3	20	
2-Methylphenol	A	50.00	47.1	1.434992	1.351482		-5.8	20	
3/4-Methylphenol	A	100.0	100	1.59626	1.597359		0.07	20	
Naphthalene	A	50.00	48.8	1.10001	1.073859		-2.4	20	
2-Nitroaniline	A	50.00	51.5	0.3645414	0.375788		3.1	20	
3-Nitroaniline	A	50.00	50.0	0.3577428	0.3579403		0.06	20	
4-Nitroaniline	A	50.00	50.4	0.3949041	0.398301		0.9	20	
Nitrobenzene	A	50.00	50.1	0.4010463	0.4020663		0.3	20	
2-Nitrophenol	A	50.00	55.4	0.1977391	0.2189943		10.7	20	
4-Nitrophenol	A	50.00	54.6	0.1547519	0.1690648		9.2	20	
N-Nitrosodiphenylamine/Diphenylamine	A	42.75	40.2	0.6896138	0.6493347		-5.8	20	
N-Nitrosodi-n-propylamine	A	50.00	51.2	1.070739	1.096371		2.4	20	
Pentachlorophenol	A	50.00	48.4	0.1602803	0.1552151		-3.2	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Instrument ID:	GCMSSV2	Calibration:	2500833
Lab File ID:	B25S329003.D	Calibration Date:	10/24/25 00:00
Sequence:	S129060	Injection Date:	11/25/25
Lab Sample ID:	S129060-CCV1	Injection Time:	14:08

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenanthrene	A	50.00	45.2	1.249551	1.129474		-9.6	20
Phenol	A	50.00	50.9	2.017986	2.055321		1.9	20
Pyrene	A	50.00	43.7	1.467047	1.281796		-12.6	20
Pyridine	A	50.00	45.9	1.700956	1.560504		-8.3	20
1,2,4,5-Tetrachlorobenzene	A	50.00	54.9	0.557057	0.6120563		9.9	20
2,4,5-Trichlorophenol	A	50.00	53.5	0.395503	0.4233237		7.0	20
2,4,6-Trichlorophenol	A	50.00	54.0	0.3769288	0.4072092		8.0	20
2-Fluorophenol	A	100.0	102	1.117548	1.144328		2.4	
Phenol-d6	A	100.0	94.4	1.842676	1.740208		-5.6	
Nitrobenzene-d5	A	50.00	48.8	0.3980805	0.3885514		-2.4	
2-Fluorobiphenyl	A	50.00	51.7	1.320526	1.365925		3.4	
2,4,6-Tribromophenol	A	100.0	118	0.1776466	0.2098044		18.1	
p-Terphenyl-d14	A	50.00	49.9	0.8283524	0.8261472		-0.3	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329003.D
Acq On : 25 Nov 2025 2:08 pm
Operator : BGL
Sample : 8270std 50 ppm 25H0510 Inst : GCMSSV2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 25 14:24:19 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.692	152	58011	40.00	ug/ml	-0.01
19) NAPHTHALENE-d8	5.494	136	233460	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	6.584	164	128779	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	7.508	188	223571	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.907	240	225156	40.00	ug/ml	0.00
80) PERYLENE-D12	12.355	264	251595	40.00	ug/ml	0.00
88) 1,4-Dichlorobenzene-D4...	0.000	152	0m	40.00	ug/ml	-4.70
92) NAPHTHALENE-d8 (2)	0.000	136	0m	40.00	ug/ml	-5.49
95) ACENAPHTHENE-D10 (2)	0.000	164	0m	40.00	ug/ml	-6.58
System Monitoring Compounds						
2) 2-Fluorophenol	3.843	112	165959	102.40	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 51.20%			
3) Phenol-d6	4.468	99	252378	94.44	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 47.22%			
20) Nitrobenzene-d5	5.044	82	113389	48.80	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 48.80%			
36) 2-Fluorobiphenyl	6.160	172	219878	51.72	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 51.72%			
37) 2,4,6-Tribromophenol	7.073	330	67546	118.10	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 59.05%			
72) p-Terphenyl-d14	8.680	244	232515	49.87	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 49.87%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.755	42	53329	51.63	ug/ml	87
5) Pyridine	2.781	79	113158	45.87	ug/ml	99
6) Aniline	4.483	93	141668	40.03	ug/ml#	22
7) Phenol	4.478	94	149039	50.93	ug/ml#	54
8) Bis(2-chloroethyl)ether	4.524	63	74230	49.87	ug/ml	94
9) 2-Chlorophenol	4.563	128	110989	48.60	ug/ml	96
10) 1,3-Dichlorobenzene	4.656	146	119838	50.33	ug/ml	99
11) 1,4-Dichlorobenzene	4.705	146	122192	50.11	ug/ml	99
12) 1,2-Dichlorobenzene	4.802	146	115876	50.42	ug/ml	99
13) 2- METHYLPHENOL	4.859	108	98001	47.09	ug/ml	96
14) 2,2'-oxybis(1-chloropr...	4.864	45	101566	42.09	ug/ml	92
15) Acetophenone	4.949	105	148032	49.49	ug/ml	97
16) 3/4- METHYLPHENOL	4.954	107	231661	100.07	ug/ml	99
17) N-Nitroso-Di-N-Propyla...	4.949	70	79502	51.20	ug/ml	88
18) Hexachloroethane	5.013	117	48538	51.96	ug/ml	95
21) NITROBENZENE	5.057	77	117333	50.13	ug/ml	95
22) Isophorone	5.203	82	191569	48.80	ug/ml	98
23) 2-Nitrophenol	5.255	139	63908	55.37	ug/ml	99
24) 2,4-Dimethylphenol	5.281	122	97370	52.22	ug/ml	94
25) Bis(2-Chloroethoxy)met...	5.335	93	122929	47.75	ug/ml	99
26) Benzoic Acid	5.345	122	69684	60.46	ug/ml	89
27) 2,4-Dichlorophenol	5.407	162	91690	51.62	ug/ml	99
28) 1,2,4-Trichlorobenzene	5.458	180	97273	51.17	ug/ml	100
29) Naphthalene	5.507	128	313379	48.81	ug/ml	100
30) 4-Chloroaniline	5.540	127	119304	43.09	ug/ml	97
31) Hexachlorobutadiene	5.579	225	53297	55.74	ug/ml	99
32) 4-Chloro-3-Methylphenol	5.841	107	94212	50.86	ug/ml	97
33) 2-MethylNaphthalene	5.936	142	210824	48.36	ug/ml	99
34) 1-Methylnaphthalene	5.998	142	203000	49.48	ug/ml	99
38) Hexachlorocyclopentadiene	6.031	237	57670	56.31	ug/ml	99
39) 1,2,4,5-Tetrachloroben...	6.039	216	98525	54.94	ug/ml	99
40) 2,4,6-Trichlorophenol	6.111	196	65550	54.02	ug/ml	98

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329003.D
Acq On : 25 Nov 2025 2:08 pm
Operator : BGL
Sample : 8270std 50 ppm 25H0510 Inst : GCMSSV2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 25 14:24:19 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

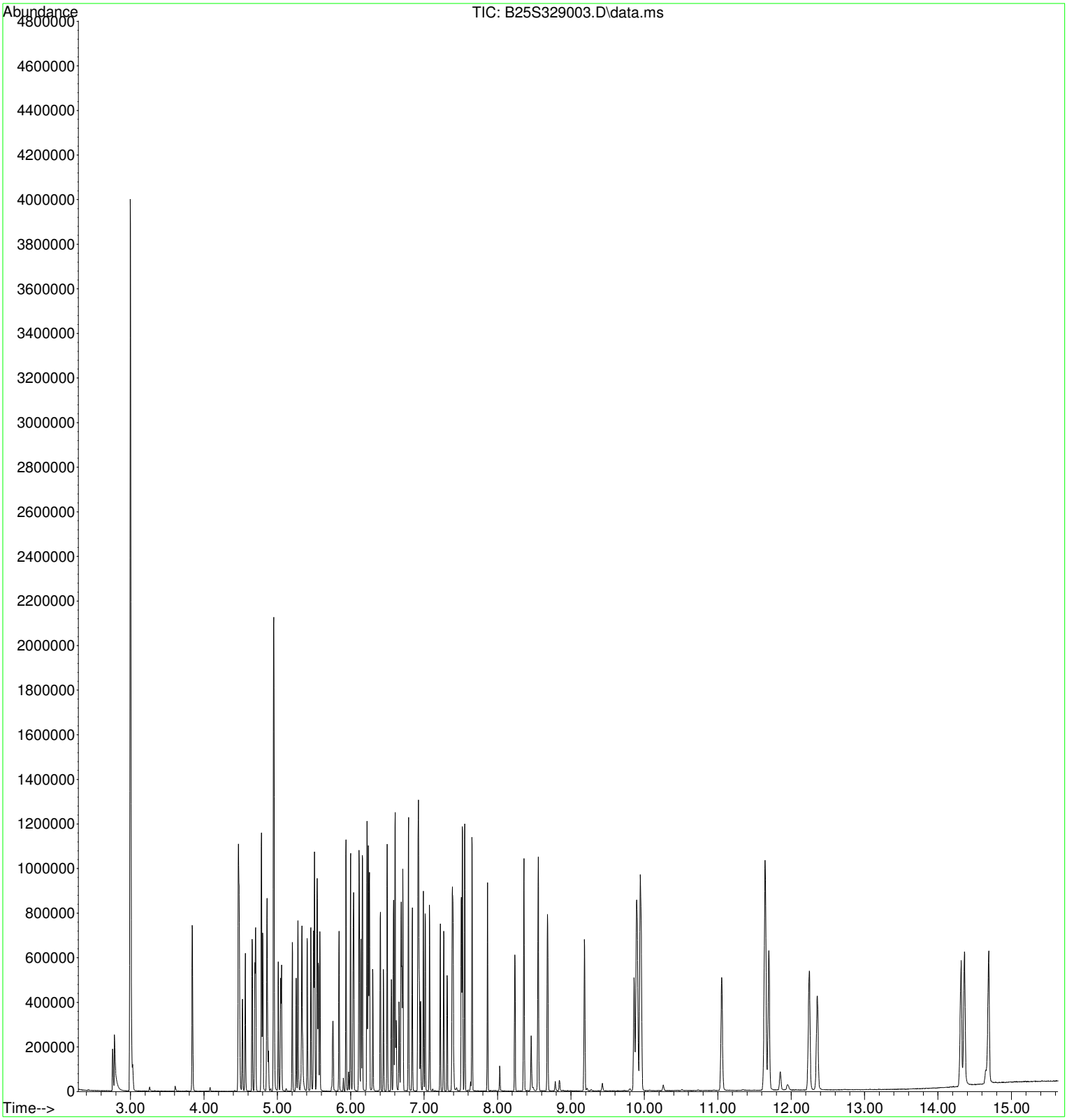
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 2,4,5-Trichlorophenol	6.139	196	68144	53.52	ug/ml	93
42) 2-ChloroNaphthalene	6.240	162	237891	51.92	ug/ml	98
43) 2-Nitroaniline	6.299	65	60492	51.54	ug/ml	99
44) 1,1-Biphenyl	6.222	154	257646	53.52	ug/ml	99
45) DIMETHYL PHTHALATE	6.404	163	214726	53.15	ug/ml	100
46) 2,6-DinitroToluene	6.445	165	50556	54.23	ug/ml	95
47) Acenaphthylene	6.497	152	318187	51.62	ug/ml	100
48) 3-Nitroaniline	6.553	138	57619	50.03	ug/ml	98
49) Acenaphthene	6.605	154	210570	50.95	ug/ml	98
50) 2,4-Dinitrophenol	6.620	184	32584	64.75	ug/ml	94
51) 4-Nitrophenol	6.659	109	27215	54.62	ug/ml	96
52) Dibenzofuran	6.710	168	277689	50.88	ug/ml	97
53) 2,4-Dinitrotoluene	6.697	165	68360	54.32	ug/ml	95
54) DIETHYL PHTHALATE	6.839	149	202762	52.90	ug/ml	97
55) 4-Chlorophenyl phenyl ...	6.916	204	104198	54.09	ug/ml	98
56) Flourene	6.924	166	230433	50.77	ug/ml	99
57) 4-Nitroaniline	6.934	138	64116	50.43	ug/ml	97
59) 4,6-Dinitro-2-Methylph...	6.952	198	43307	50.39	ug/ml	92
60) N-Nitrosodiphenylamine	6.988	169	155153	40.19	ug/ml	99
61) 1,2-Diphenylhydrazine	7.014	77	204198	44.01	ug/ml	95
62) 4-Bromophenyl phenyl e...	7.220	248	64129	53.48	ug/ml	95
63) Hexachlorobenzene	7.268	284	70032	52.65	ug/ml	93
64) Pentachlorophenol	7.389	266	43377	48.42	ug/ml	100
65) Pentachloronitrobenzene	7.394	295	13258	57.10	ug/ml#	89
66) Phenanthrene	7.523	178	315647	45.20	ug/ml	100
67) Anthracene	7.554	178	329168	47.12	ug/ml	100
68) Carbazole	7.654	167	311253	47.96	ug/ml	99
69) Di-N-Butyl Phthalate	7.862	149	343864	54.24	ug/ml	99
70) Flouranthene	8.359	202	346250	50.16	ug/ml	99
73) Benzidine	8.459	184	85906	30.89	ug/ml	96
74) Pyrene	8.554	202	360755	43.69	ug/ml	99
75) Butylbenzyl phthalate	9.184	149	162040	53.75	ug/ml	92
76) 3,3'-Dichlorobenzidine	9.861	252	129779	54.90	ug/ml	99
77) Benzo(a)anthracene	9.891	228	359346	47.31	ug/ml	97
78) Chrysene	9.943	228	342817	45.65	ug/ml	98
79) Bis(2-ethylhexyl)phtha...	9.956	149	219958	63.67	ug/ml	99
81) Di-n-octylphthalate	11.054	149	374593	60.72	ug/ml	96
82) Benzo(b)fluoranthene	11.645	252	377940	48.97	ug/ml	97
83) Benzo(k)fluoranthene	11.697	252	367523	47.97	ug/ml	98
84) Benzo(a)pyrene	12.247	252	357760	50.01	ug/ml	97
85) Indeno(1,2,3-cd)pyrene	14.317	276	325208	51.08	ug/ml	97
86) Dibenz(a,h)anthracene	14.363	278	329702	49.27	ug/ml	98
87) Benzo(g,h,i)perylene	14.692	276	333214	47.16	ug/ml	95

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

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329003.D
Acq On : 25 Nov 2025 2:08 pm
Operator : BGL
Sample : 8270std 50 ppm 25H0510 Inst : GCMSSV2
Misc :
ALS Vial : 3 Sample Multiplier: 1

350

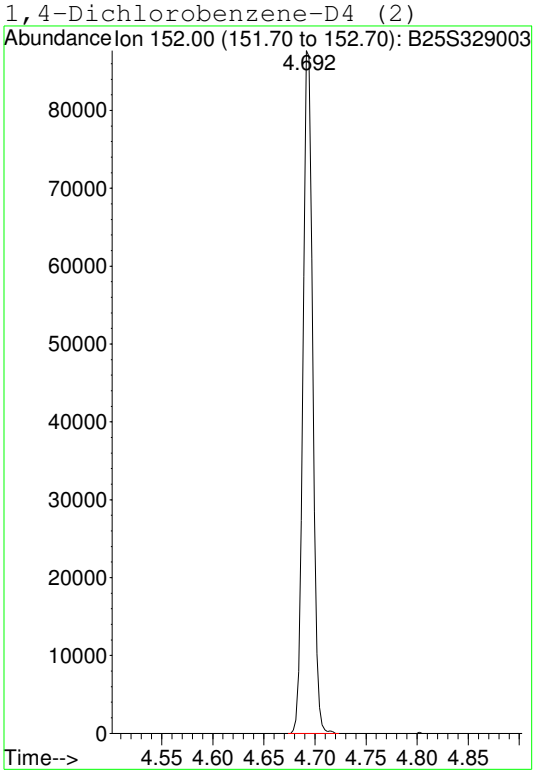
Quant Time: Nov 25 14:24:19 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329003.D
Acq On : 25 Nov 2025 2:08 pm
Operator : BGL
Sample : 8270std 50 ppm 25H0510
Misc :

Quant Time : Wed Nov 26 10:51:10 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
1,4-Dichlorobenzene-D4 (2)



Original Int. Results

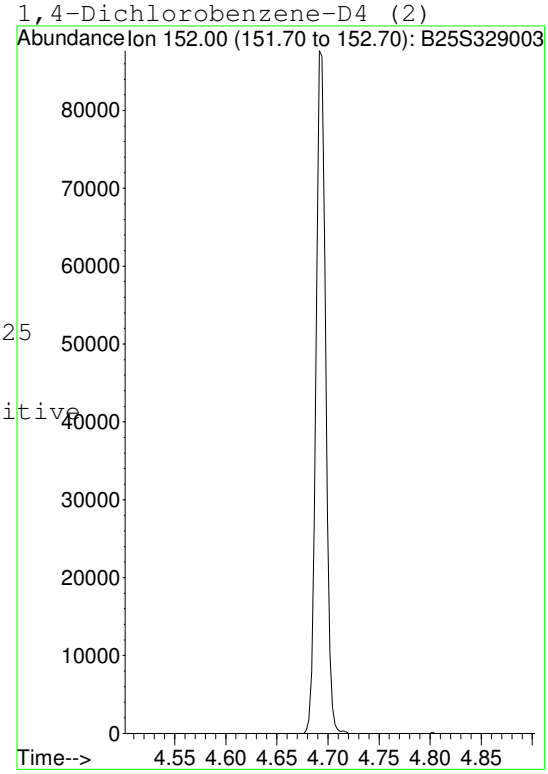
RT : 4.69
Area : 58011
Amount: 40

Manual Int. Results

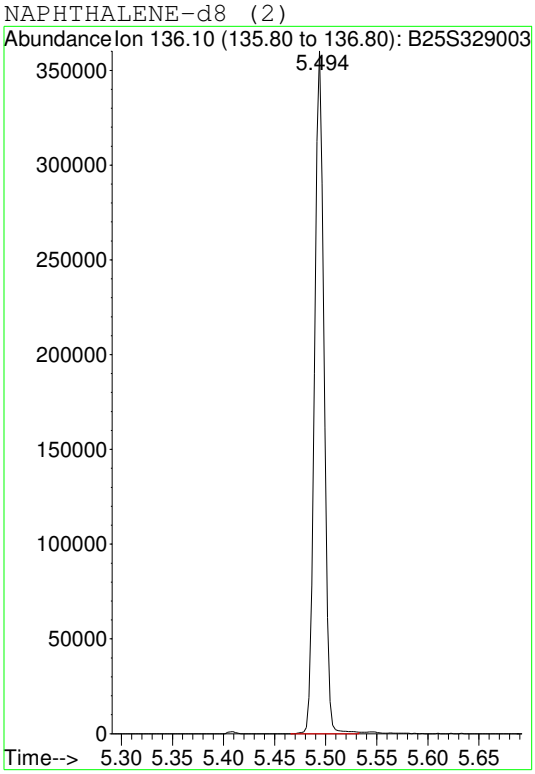
Wed Nov 26 10:51:10 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

Manual Integration
1,4-Dichlorobenzene-D4 (2)



Original Integration
NAPHTHALENE-d8 (2)



Original Int. Results

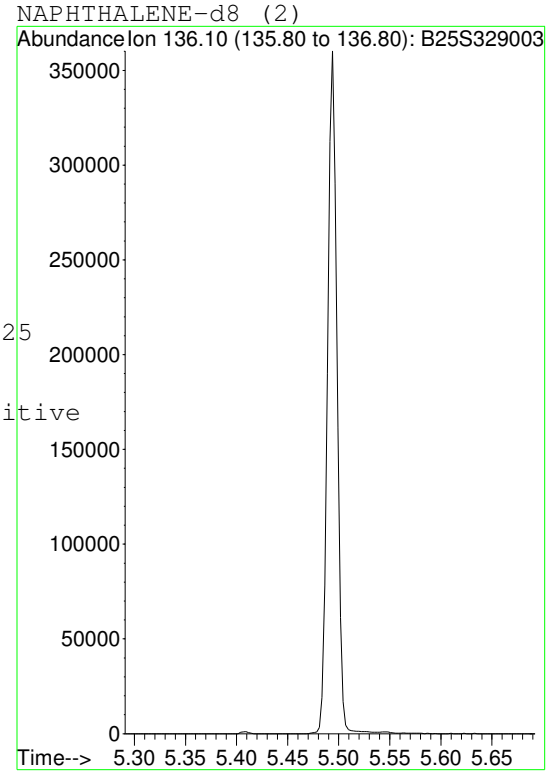
RT : 5.49
Area : 233436
Amount: 40

Manual Int. Results

Wed Nov 26 10:51:09 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

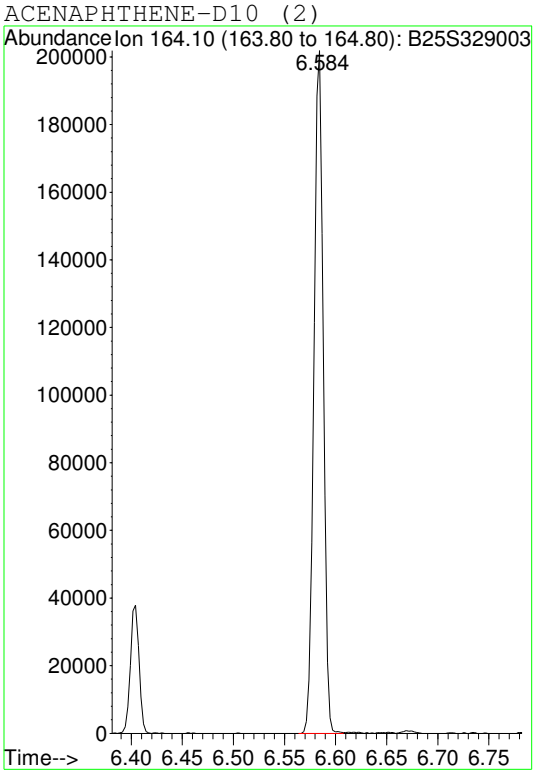
Manual Integration
NAPHTHALENE-d8 (2)



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329003.D
Acq On : 25 Nov 2025 2:08 pm
Operator : BGL
Sample : 8270std 50 ppm 25H0510
Misc :

Quant Time : Wed Nov 26 10:51:10 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
ACENAPHTHENE-D10 (2)



Original Int. Results

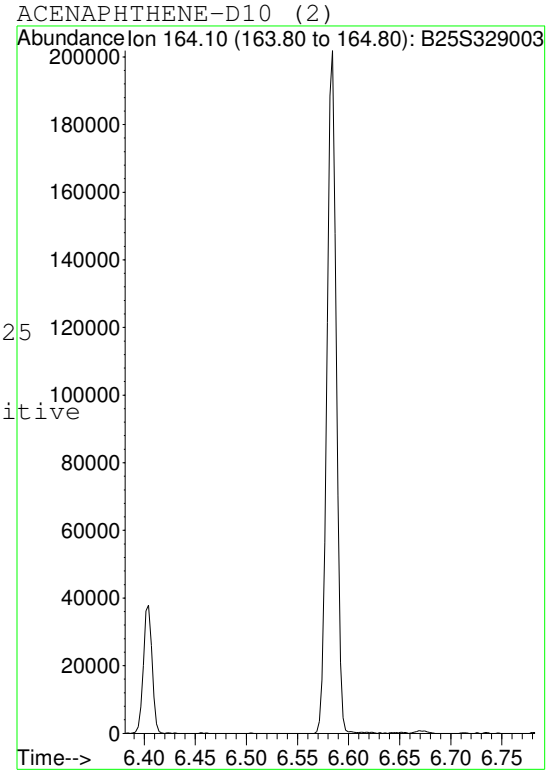
RT : 6.58
Area : 128779
Amount: 40

Manual Int. Results

Wed Nov 26 10:51:09 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

Manual Integration
ACENAPHTHENE-D10 (2)



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329003.D
Acq On : 25 Nov 2025 2:08 pm
Operator : BGL
Sample : 8270std 50 ppm 25H0510 Inst : GCMSSV2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 25 14:24:19 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-D4	1.000	1.000	0.0	84	-0.01
2	S	2-Fluorophenol	1.118	1.144	-2.3	96	0.00
3	S	Phenol-d6	1.843	1.740	5.6	88	0.00
4	T	N-Nitrosodimethylamine	0.712	0.735	-3.2	97	-0.01
5	T	Pyridine	1.701	1.561	8.2	84	-0.01
6	T	Aniline	2.440	1.954	19.9	74	0.00
7	T	Phenol	2.018	2.055	-1.8	93	0.00
8	T	Bis(2-chloroethyl)ether	1.026	1.024	0.2	91	-0.01
9	T	2-Chlorophenol	1.575	1.531	2.8	90	0.00
10	T	1,3-Dichlorobenzene	1.642	1.653	-0.7	93	-0.01
11	T	1,4-Dichlorobenzene	1.681	1.685	-0.2	92	0.00
12	T	1,2-Dichlorobenzene	1.585	1.598	-0.8	92	0.00
13	T	2- METHYLPHENOL	1.435	1.351	5.9	88	0.00
14	T	2,2'-oxybis(1-chloropropane	1.664	1.401	15.8	78	-0.01
15	T	Acetophenone	2.062	2.041	1.0	93	0.00
16	T	3/4- METHYLPHENOL	1.596	1.597	-0.1	92	0.00
17	T	N-Nitroso-Di-N-Propylamine	1.071	1.096	-2.3	96	-0.01
18	T	Hexachloroethane	0.644	0.669	-3.9	93	-0.01
19	I	NAPHTHALENE-d8	1.000	1.000	0.0	84	0.00
20	S	Nitrobenzene-d5	0.398	0.389	2.3	90	-0.01
21	T	NITROBENZENE	0.401	0.402	-0.2	93	-0.01
22	T	Isophorone	0.673	0.656	2.5	88	-0.01
23	T	2-Nitrophenol	0.198	0.219	-10.6	99	-0.01
24	T	2,4-Dimethylphenol	0.319	0.334	-4.7	95	0.00
25	T	Bis(2-Chloroethoxy)methane	0.441	0.421	4.5	86	-0.01
26	T	Benzoic Acid	0.197	0.239	-21.3	107	0.00
27	T	2,4-Dichlorophenol	0.304	0.314	-3.3	93	0.00
28	T	1,2,4-Trichlorobenzene	0.326	0.333	-2.1	93	0.00
29	T	Naphthalene	1.100	1.074	2.4	91	-0.01
30	T	4-Chloroaniline	0.474	0.409	13.7	77	0.00
31	T	Hexachlorobutadiene	0.164	0.183	-11.6	97	-0.01
32	T	4-Chloro-3-Methylphenol	0.317	0.323	-1.9	93	0.00
33	T	2-MethylNaphthalene	0.747	0.722	3.3	89	0.00
34	T	1-Methylnaphthalene	0.703	0.696	1.0	92	0.00
35	I	ACENAPHTHENE-D10	1.000	1.000	0.0	82	0.00
36	S	2-Fluorobiphenyl	1.321	1.366	-3.4	92	0.00
37	S	2,4,6-Tribromophenol	0.178	0.210	-18.0	102	0.00
38	T	Hexachlorocyclopentadiene	0.318	0.358	-12.6	93	-0.01
39	T	1,2,4,5-Tetrachlorobenzene	0.557	0.612	-9.9	95	-0.01
40	T	2,4,6-Trichlorophenol	0.377	0.407	-8.0	94	0.00
41	T	2,4,5-Trichlorophenol	0.396	0.423	-6.8	92	0.00
42	T	2-ChloroNaphthalene	1.423	1.478	-3.9	95	-0.01
43	T	2-Nitroaniline	0.365	0.376	-3.0	91	0.00
44	T	1,1-Biphenyl	1.495	1.601	-7.1	94	-0.01
45	T	DIMETHYL PHTHALATE	1.255	1.334	-6.3	92	0.00
46	T	2,6-DinitroToluene	0.290	0.314	-8.3	92	0.00
47	T	Acenaphthylene	1.915	1.977	-3.2	91	0.00
48	T	3-Nitroaniline	0.358	0.358	0.0	85	0.00
49	T	Acenaphthene	1.284	1.308	-1.9	90	0.00
50	T	2,4-Dinitrophenol	0.156	0.202	-29.5#	117	0.00
51	T	4-Nitrophenol	0.155	0.169	-9.0	94	0.00
52	T	Dibenzofuran	1.695	1.725	-1.8	92	0.00

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329003.D
Acq On : 25 Nov 2025 2:08 pm
Operator : BGL
Sample : 8270std 50 ppm 25H0510 Inst : GCMSSV2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 25 14:24:19 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
53	T	2,4-Dinitrotoluene	0.391	0.425	-8.7	92	0.00
54	T	DIETHYL PHTHALATE	1.191	1.260	-5.8	90	-0.01
55	T	4-Chlorophenyl phenyl ether	0.598	0.647	-8.2	94	0.00
56	T	Flourene	1.410	1.431	-1.5	89	0.00
57	T	4-Nitroaniline	0.395	0.398	-0.8	88	0.00
58	I	PHENANTHRENE-D10	1.000	1.000	0.0	88	0.00
59	T	4,6-Dinitro-2-Methylphenol	0.141	0.155	-9.9	103	0.00
60	T	N-Nitrosodiphenylamine	0.691	0.650	5.9	89	0.00
61	T	1,2-Diphenylhydrazine	0.830	0.731	11.9	83	-0.01
62	T	4-Bromophenyl phenyl ether	0.215	0.229	-6.5	100	0.00
63	T	Hexachlorobenzene	0.238	0.251	-5.5	98	0.00
64	T	Pentachlorophenol	0.160	0.155	3.1	91	0.00
65	T	Pentachloronitrobenzene	0.042	0.047	-11.9	102	0.00
66	T	Phenanthrene	1.250	1.129	9.7	90	0.00
67	T	Anthracene	1.250	1.178	5.8	89	0.00
68	T	Carbazole	1.161	1.114	4.0	90	0.00
69	T	Di-N-Butyl Phthalate	1.134	1.230	-8.5	91	-0.01
70	T	Flouranthene	1.235	1.239	-0.3	91	0.00
71	I	CHRYSENE-D12	1.000	1.000	0.0	92	0.00
72	S	p-Terphenyl-d14	0.828	0.826	0.2	97	-0.01
73	T	Benzidine	0.494	0.305	38.3#	60	0.00
74	T	Pyrene	1.467	1.282	12.6	90	0.00
75	T	Butylbenzyl phthalate	0.536	0.576	-7.5	93	-0.01
76	T	3,3'-Dichlorobenzidine	0.420	0.461	-9.8	102	0.00
77	T	Benzo(a)anthracene	1.349	1.277	5.3	92	-0.01
78	T	Chrysene	1.334	1.218	8.7	92	-0.01
79	T	Bis(2-ethylhexyl)phthalate	0.614	0.782	-27.4#	96	-0.02
80	I	PERYLENE-D12	1.000	1.000	0.0	98	0.00
81	T	Di-n-octylphthalate	0.981	1.191	-21.4	103	-0.02
82	T	Benzo(b)fluoranthene	1.227	1.202	2.0	98	0.00
83	T	Benzo(k)fluoranthene	1.218	1.169	4.0	93	0.00
84	T	Benzo(a)pyrene	1.137	1.138	-0.1	98	0.00
85	T	Indeno(1,2,3-cd)pyrene	1.012	1.034	-2.2	103	0.00
86	T	Dibenz(a,h)anthracene	1.064	1.048	1.5	98	0.00
87	T	Benzo(g,h,i)perylene	1.123	1.060	5.6	96	0.00
88	I	1,4-Dichlorobenzene-D4 (2)	1.000	1.000	0.0	0#	-4.70#
89		1,4-Dioxane	0.679	0.000	100.0#	0#	-2.46#
90		Benzaldehyde	1.331	0.000	100.0#	0#	-4.41#
91		Benzyl Alcohol	0.952	0.000	100.0#	0#	-4.78#
92	I	NAPHTHALENE-d8 (2)	1.000	1.000	0.0	0#	-5.49#
93		2,6-Dichlorophenol	0.327	0.000	100.0#	0#	-5.54#
94		Caprolactam	0.123	0.000	100.0#	0#	-5.75#
95	I	ACENAPHTHENE-D10 (2)	1.000	1.000	0.0	0#	-6.58#
96		2,3,4,6-Tetrachlorophenol	0.258	0.000	100.0#	0#	-6.78#
97		Atrazine	0.313	0.000	100.0#	0#	-7.31#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329003.D
Acq On : 25 Nov 2025 2:08 pm
Operator : BGL
Sample : 8270std 50 ppm 25H0510 Inst : GCMSSV2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 25 14:24:19 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-D4	40.000	40.000	0.0	84	-0.01
2	S	2-Fluorophenol	100.000	102.396	-2.4	96	0.00
3	S	Phenol-d6	100.000	94.439	5.6	88	0.00
4	T	N-Nitrosodimethylamine	50.000	51.625	-3.3	97	-0.01
5	T	Pyridine	50.000	45.871	8.3	84	-0.01
6	T	Aniline	50.000	40.031	19.9	74	0.00
7	T	Phenol	50.000	50.925	-1.8	93	0.00
8	T	Bis(2-chloroethyl)ether	50.000	49.867	0.3	91	-0.01
9	T	2-Chlorophenol	50.000	48.604	2.8	90	0.00
10	T	1,3-Dichlorobenzene	50.000	50.325	-0.7	93	-0.01
11	T	1,4-Dichlorobenzene	50.000	50.110	-0.2	92	0.00
12	T	1,2-Dichlorobenzene	50.000	50.418	-0.8	92	0.00
13	T	2- METHYLPHENOL	50.000	47.090	5.8	88	0.00
14	T	2,2'-oxybis(1-chloropropane	50.000	42.087	15.8	78	-0.01
15	T	Acetophenone	50.000	49.492	1.0	93	0.00
16	T	3/4- METHYLPHENOL	100.000	100.069	-0.1	92	0.00
17	T	N-Nitroso-Di-N-Propylamine	50.000	51.197	-2.4	96	-0.01
18	T	Hexachloroethane	50.000	51.958	-3.9	93	-0.01
19	I	NAPHTHALENE-d8	40.000	40.000	0.0	84	0.00
20	S	Nitrobenzene-d5	50.000	48.803	2.4	90	-0.01
21	T	NITROBENZENE	50.000	50.127	-0.3	93	-0.01
22	T	Isophorone	50.000	48.796	2.4	88	-0.01
23	T	2-Nitrophenol	50.000	55.375	-10.8	99	-0.01
24	T	2,4-Dimethylphenol	50.000	52.222	-4.4	95	0.00
25	T	Bis(2-Chloroethoxy)methane	50.000	47.746	4.5	86	-0.01
26	T	Benzoic Acid	50.000	60.458	-20.9	107	0.00
27	T	2,4-Dichlorophenol	50.000	51.623	-3.2	93	0.00
28	T	1,2,4-Trichlorobenzene	50.000	51.168	-2.3	93	0.00
29	T	Naphthalene	50.000	48.811	2.4	91	-0.01
30	T	4-Chloroaniline	50.000	43.088	13.8	77	0.00
31	T	Hexachlorobutadiene	50.000	55.736	-11.5	97	-0.01
32	T	4-Chloro-3-Methylphenol	50.000	50.855	-1.7	93	0.00
33	T	2-MethylNaphthalene	50.000	48.357	3.3	89	0.00
34	T	1-Methylnaphthalene	50.000	49.481	1.0	92	0.00
35	I	ACENAPHTHENE-D10	40.000	40.000	0.0	82	0.00
36	S	2-Fluorobiphenyl	50.000	51.719	-3.4	92	0.00
37	S	2,4,6-Tribromophenol	100.000	118.102	-18.1	102	0.00
38	T	Hexachlorocyclopentadiene	50.000	56.305	-12.6	93	-0.01
39	T	1,2,4,5-Tetrachlorobenzene	50.000	54.937	-9.9	95	-0.01
40	T	2,4,6-Trichlorophenol	50.000	54.017	-8.0	94	0.00
41	T	2,4,5-Trichlorophenol	50.000	53.517	-7.0	92	0.00
42	T	2-ChloroNaphthalene	50.000	51.923	-3.8	95	-0.01
43	T	2-Nitroaniline	50.000	51.543	-3.1	91	0.00
44	T	1,1-Biphenyl	50.000	53.525	-7.0	94	-0.01
45	T	DIMETHYL PHTHALATE	50.000	53.153	-6.3	92	0.00
46	T	2,6-DinitroToluene	50.000	54.231	-8.5	92	0.00
47	T	Acenaphthylene	50.000	51.621	-3.2	91	0.00
48	T	3-Nitroaniline	50.000	50.028	-0.1	85	0.00
49	T	Acenaphthene	50.000	50.947	-1.9	90	0.00
50	T	2,4-Dinitrophenol	50.000	64.751	-29.5#	117	0.00
51	T	4-Nitrophenol	50.000	54.624	-9.2	94	0.00
52	T	Dibenzofuran	50.000	50.879	-1.8	92	0.00

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329003.D
Acq On : 25 Nov 2025 2:08 pm
Operator : BGL
Sample : 8270std 50 ppm 25H0510 Inst : GCMSSV2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 25 14:24:19 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

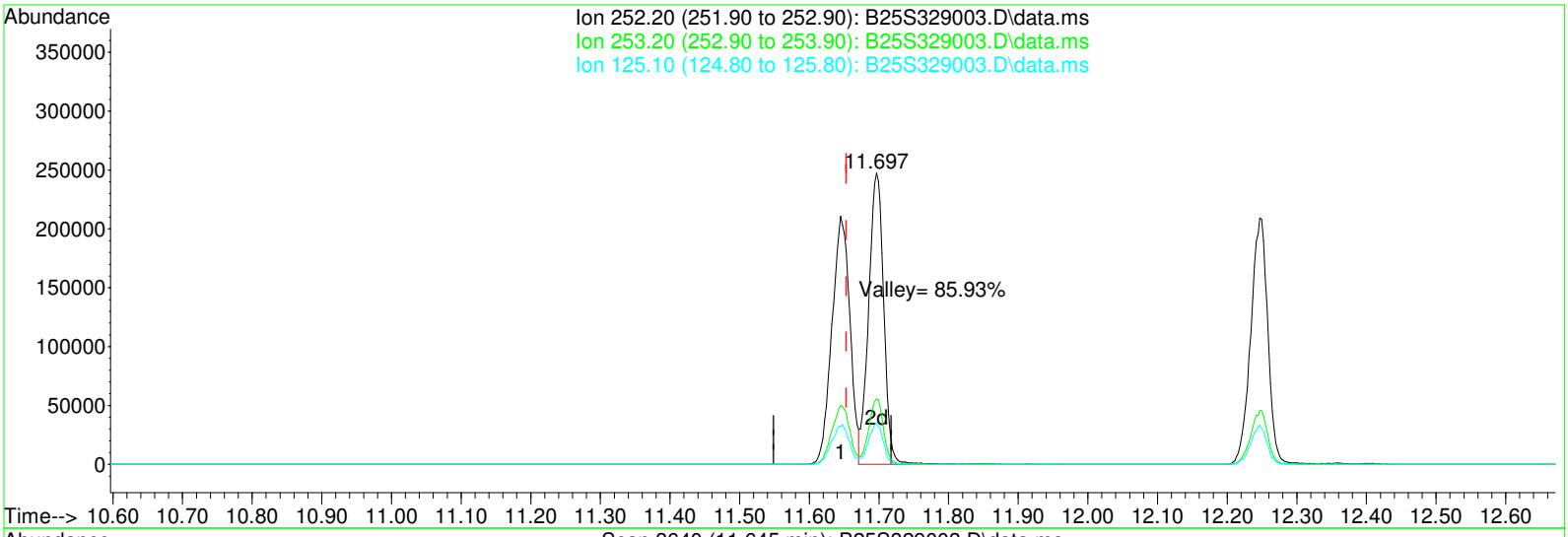
Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

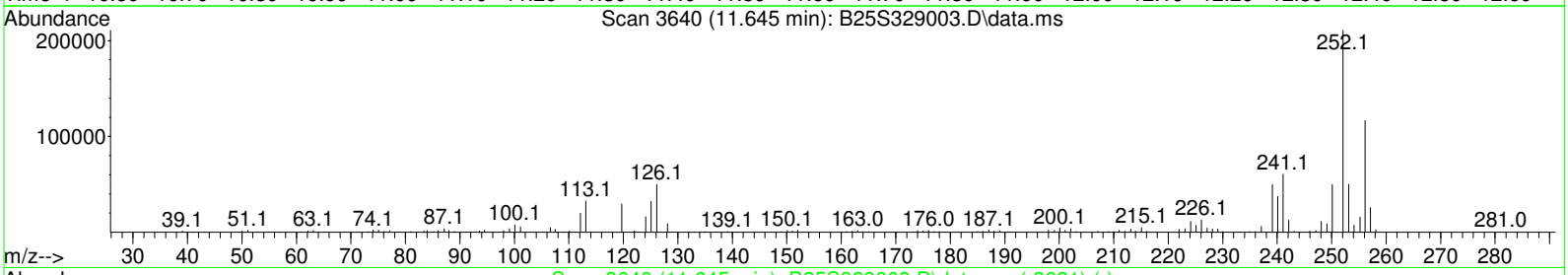
		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
53	T	2,4-Dinitrotoluene	50.000	54.323	-8.6	92	0.00
54	T	DIETHYL PHTHALATE	50.000	52.900	-5.8	90	-0.01
55	T	4-Chlorophenyl phenyl ether	50.000	54.095	-8.2	94	0.00
56	T	Flourene	50.000	50.773	-1.5	89	0.00
57	T	4-Nitroaniline	50.000	50.430	-0.9	88	0.00
58	I	PHENANTHRENE-D10	40.000	40.000	0.0	88	0.00
59	T	4,6-Dinitro-2-Methylphenol	50.000	50.392	-0.8	103	0.00
60	T	N-Nitrosodiphenylamine	42.680	40.190	5.8	89	0.00
61	T	1,2-Diphenylhydrazine	50.000	44.012	12.0	83	-0.01
62	T	4-Bromophenyl phenyl ether	50.000	53.480	-7.0	100	0.00
63	T	Hexachlorobenzene	50.000	52.649	-5.3	98	0.00
64	T	Pentachlorophenol	50.000	48.420	3.2	91	0.00
65	T	Pentachloronitrobenzene	50.000	57.104	-14.2	102	0.00
66	T	Phenanthrene	50.000	45.195	9.6	90	0.00
67	T	Anthracene	50.000	47.123	5.8	89	0.00
68	T	Carbazole	50.000	47.962	4.1	90	0.00
69	T	Di-N-Butyl Phthalate	50.000	54.241	-8.5	91	-0.01
70	T	Flouranthene	50.000	50.158	-0.3	91	0.00
71	I	CHRYSENE-D12	40.000	40.000	0.0	92	0.00
72	S	p-Terphenyl-d14	50.000	49.867	0.3	97	-0.01
73	T	Benzidine	50.000	30.892	38.2#	60	0.00
74	T	Pyrene	50.000	43.686	12.6	90	0.00
75	T	Butylbenzyl phthalate	50.000	53.749	-7.5	93	-0.01
76	T	3,3'-Dichlorobenzidine	50.000	54.900	-9.8	102	0.00
77	T	Benzo(a)anthracene	50.000	47.308	5.4	92	-0.01
78	T	Chrysene	50.000	45.647	8.7	92	-0.01
79	T	Bis(2-ethylhexyl)phthalate	50.000	63.674	-27.3#	96	-0.02
80	I	PERYLENE-D12	40.000	40.000	0.0	98	0.00
81	T	Di-n-octylphthalate	50.000	60.719	-21.4	103	-0.02
82	T	Benzo(b)fluoranthene	50.000	48.972	2.1	98	0.00
83	T	Benzo(k)fluoranthene	50.000	47.973	4.1	93	0.00
84	T	Benzo(a)pyrene	50.000	50.013	-0.0	98	0.00
85	T	Indeno(1,2,3-cd)pyrene	50.000	51.084	-2.2	103	0.00
86	T	Dibenz(a,h)anthracene	50.000	49.272	1.5	98	0.00
87	T	Benzo(g,h,i)perylene	50.000	47.161	5.7	96	0.00
88	I	1,4-Dichlorobenzene-D4 (2)	40.000	40.000	0.0	0	-4.70#
89		1,4-Dioxane	50.000	0.000	100.0#	0	-2.46#
90		Benzaldehyde	50.000	0.000	100.0#	0	-4.41#
91		Benzyl Alcohol	50.000	0.000	100.0#	0	-4.78#
92	I	NAPHTHALENE-d8 (2)	40.000	40.000	0.0	0	-5.49#
93		2,6-Dichlorophenol	50.000	0.000	100.0#	0	-5.54#
94		Caprolactam	50.000	0.000	100.0#	0	-5.75#
95	I	ACENAPHTHENE-D10 (2)	40.000	40.000	0.0	0	-6.58#
96		2,3,4,6-Tetrachlorophenol	50.000	0.000	100.0#	0	-6.78#
97		Atrazine	50.000	0.000	100.0#	0	-7.31#

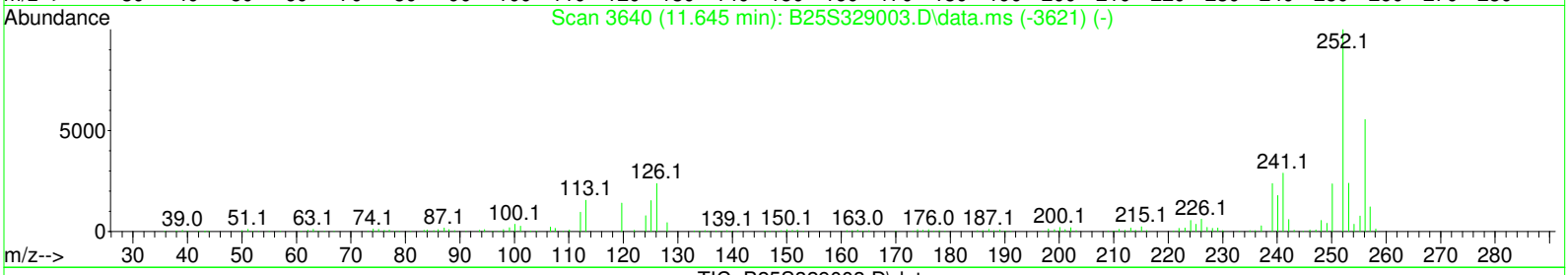
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329003.D
Acq On : 25 Nov 2025 2:08 pm
Operator : BGL
Sample : 8270std 50 ppm 25H0510 Inst : GCMSSV2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 25 14:24:19 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration







TIC: B25S329003.D\data.ms

(82) Benzo(b)fluoranthene (T)

11.645min (-0.008) 48.97 ug/ml

response 377940

Ion	Exp%	Act%
252.20	100.00	100.00
253.20	22.20	23.78
125.10	14.50	15.78
0.00	0.00	0.00

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Instrument ID:	GCMSSV2	Calibration:	2500833
Lab File ID:	B25S329004.D	Calibration Date:	10/24/25 00:00
Sequence:	S129060	Injection Date:	11/25/25
Lab Sample ID:	S129060-CCV2	Injection Time:	14:33

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2,3,4,6-Tetrachlorophenol	A	50.00	58.1	0.2580526	0.2998666		16.2	20	
Atrazine	A	50.00	64.7	0.3130468	0.405022		29.4	20	*
Benzaldehyde	A	50.00	40.2	1.330872	1.068882		-19.7	20	
Caprolactam	A	50.00	55.9	0.1225767	0.1371432		11.9	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329004.D
Acq On : 25 Nov 2025 2:33 pm
Operator : BGL
Sample : ncextras 50 ppm 25I0219 Inst : GCMSSV2
Misc :
ALS Vial : 4 Sample Multiplier: 1

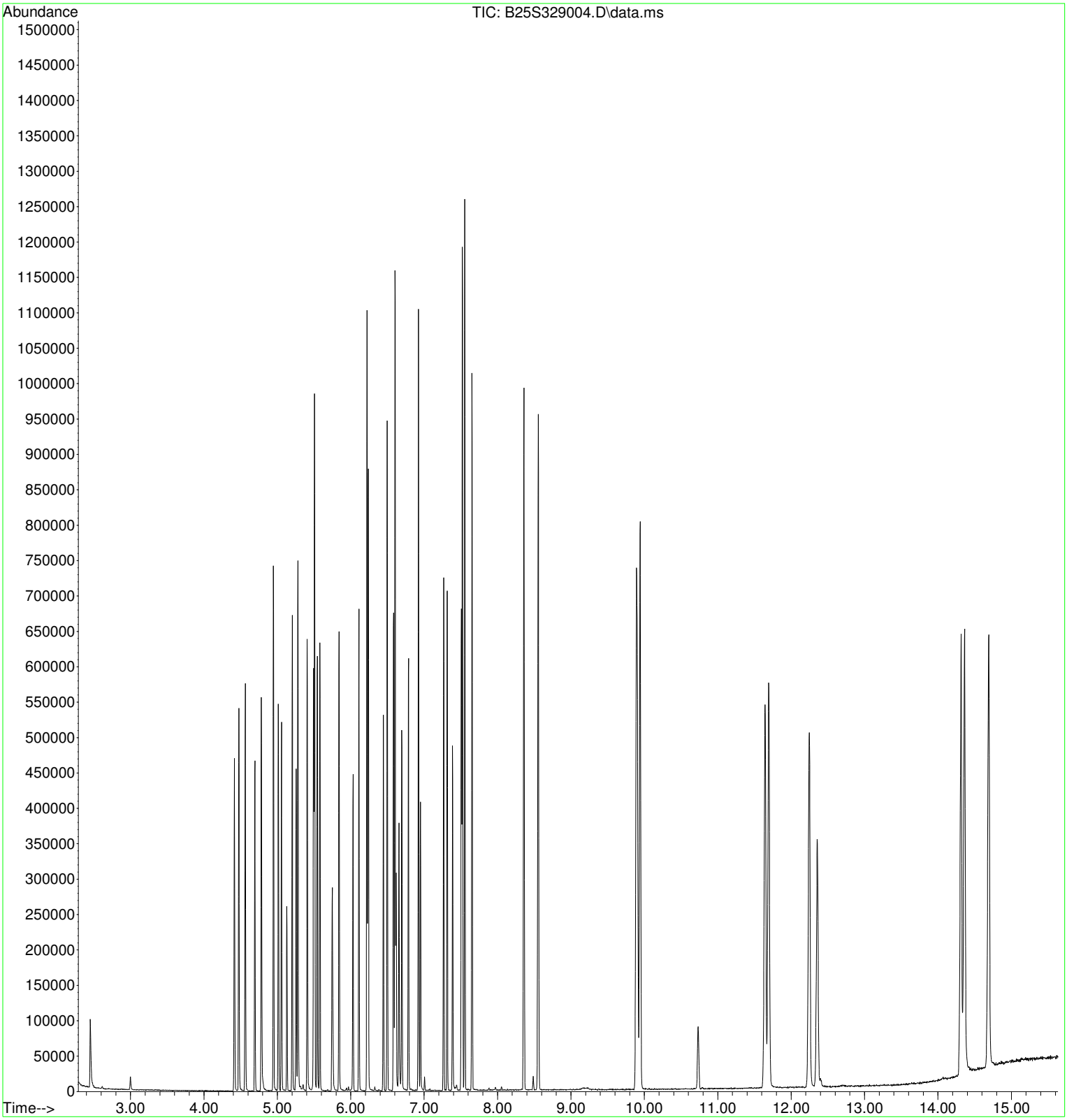
Quant Time: Nov 25 14:49:07 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	0.000	152	0m	40.00	ug/ml	-4.70
19) NAPHTHALENE-d8	0.000	136	0m	40.00	ug/ml	-5.50
35) ACENAPHTHENE-D10	0.000	164	0m	40.00	ug/ml	-6.59
58) PHENANTHRENE-D10	0.000	188	0m	40.00	ug/ml	-7.51
71) CHRYSENE-D12	0.000	240	0m	40.00	ug/ml	-9.91
80) PERYLENE-D12	0.000	264	0m	40.00	ug/ml	-12.36
88) 1,4-Dichlorobenzene-D4...	4.694	152	50803	40.00	ug/ml	0.00
92) NAPHTHALENE-d8 (2)	5.494	136	188142	40.00	ug/ml	0.00
95) ACENAPHTHENE-D10 (2)	6.584	164	101952	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	0.000	112	0	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
3) Phenol-d6	0.000	99	0d	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
20) Nitrobenzene-d5	0.000	82	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
36) 2-Fluorobiphenyl	0.000	172	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
37) 2,4,6-Tribromophenol	0.000	330	0	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
72) p-Terphenyl-d14	0.000	244	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
89) 1,4-Dioxane	2.452	88	36127	41.89	ug/ml	94
90) Benzaldehyde	4.414	106	67878	40.16	ug/ml	99
91) Benzyl Alcohol	4.782	108	65198	53.91	ug/ml	96
93) 2,6-Dichlorophenol	5.545	162	82656	53.73	ug/ml	97
94) Caprolactam	5.749	113	32253	55.94	ug/ml	91
96) 2,3,4,6-Tetrachlorophenol	6.787	230	38215	58.10	ug/ml	97
97) Atrazine	7.315	200	51616	64.69	ug/ml	97

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

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329004.D
Acq On : 25 Nov 2025 2:33 pm
Operator : BGL
Sample : ncextras 50 ppm 25I0219 Inst : GCMSSV2
Misc :
ALS Vial : 4 Sample Multiplier: 1

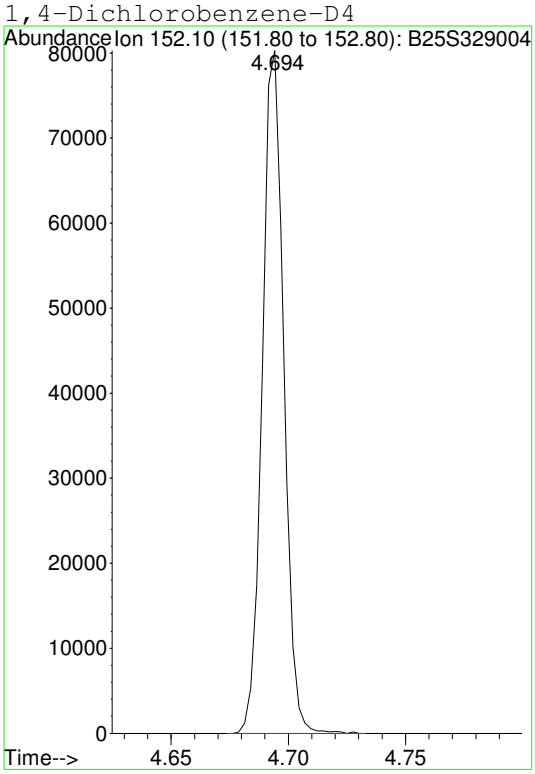
Quant Time: Nov 25 14:49:07 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329004.D
Acq On : 25 Nov 2025 2:33 pm
Operator : BGL
Sample : ncextras 50 ppm 25I0219
Misc :

Quant Time : Wed Nov 26 10:48:09 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
1,4-Dichlorobenzene-D4



Original Int. Results

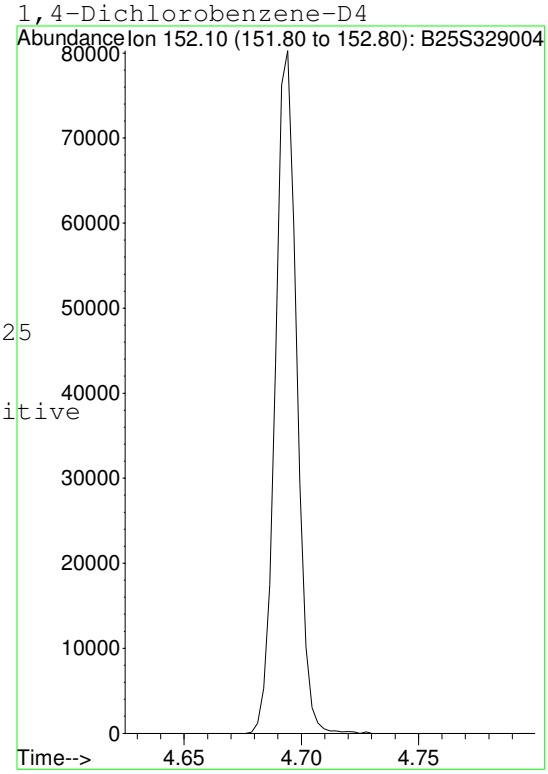
RT : 4.69
Area : 50803
Amount: 40

Manual Int. Results

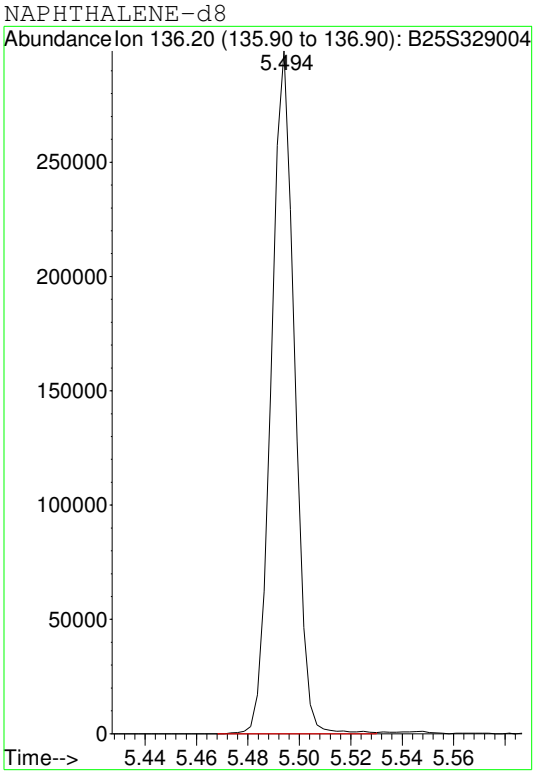
Wed Nov 26 10:48:09 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

Manual Integration
1,4-Dichlorobenzene-D4



Original Integration
NAPHTHALENE-d8



Original Int. Results

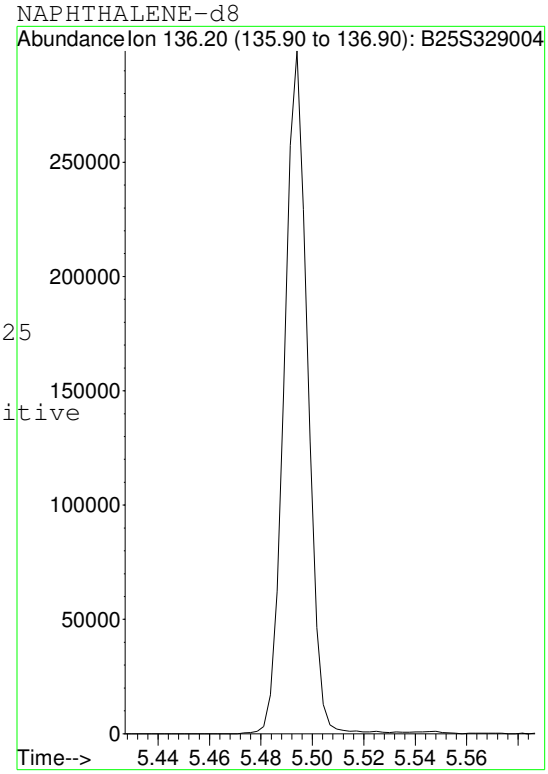
RT : 5.49
Area : 188129
Amount: 40

Manual Int. Results

Wed Nov 26 10:48:07 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

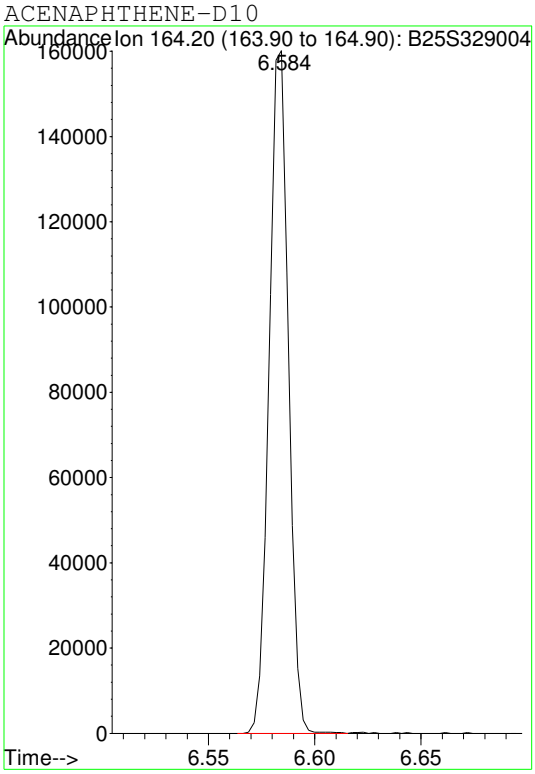
Manual Integration
NAPHTHALENE-d8



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329004.D
Acq On : 25 Nov 2025 2:33 pm
Operator : BGL
Sample : ncextras 50 ppm 25I0219
Misc :

Quant Time : Wed Nov 26 10:48:09 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
ACENAPHTHENE-D10



Original Int. Results

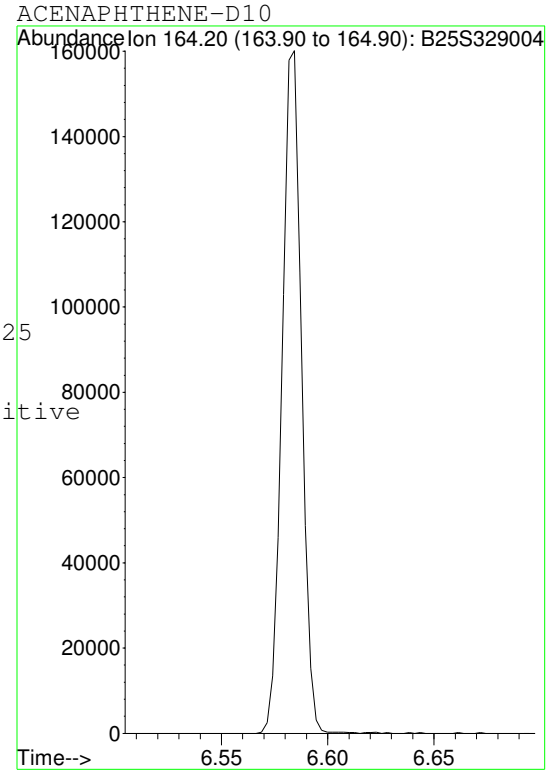
RT : 6.58
Area : 101952
Amount: 40

Manual Int. Results

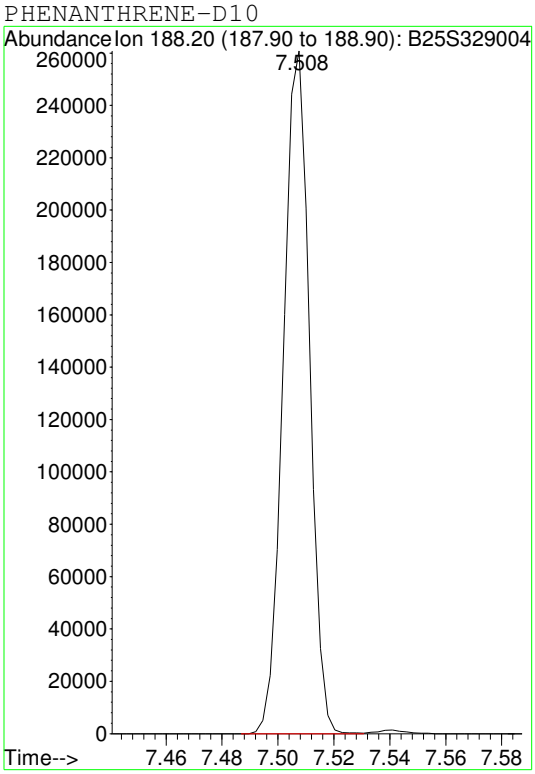
Wed Nov 26 10:48:05 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

Manual Integration
ACENAPHTHENE-D10



Original Integration
PHENANTHRENE-D10



Original Int. Results

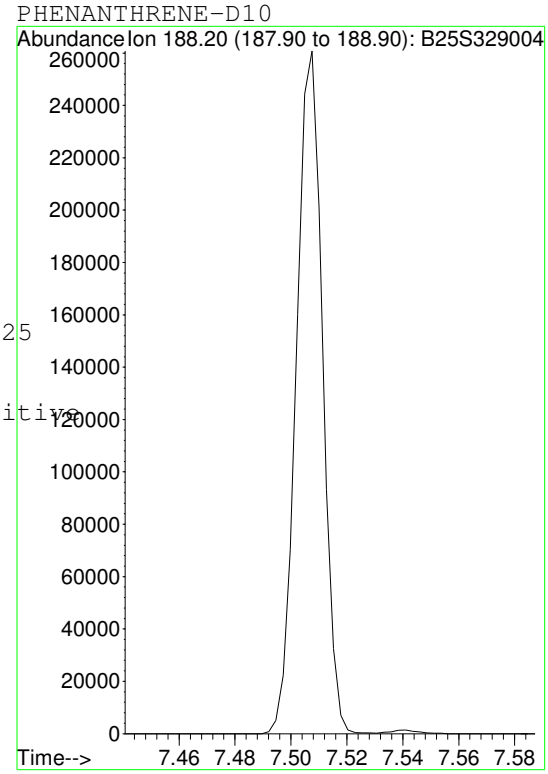
RT : 7.51
Area : 169749
Amount: 40

Manual Int. Results

Wed Nov 26 10:48:02 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

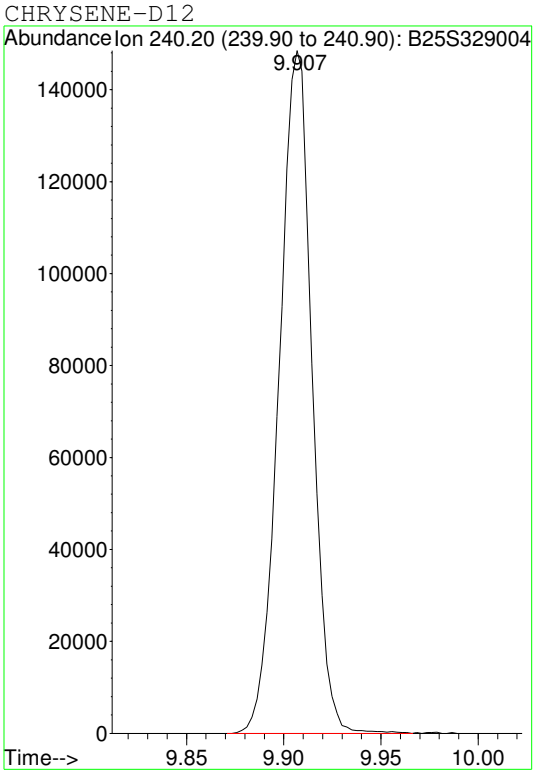
Manual Integration
PHENANTHRENE-D10



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329004.D
Acq On : 25 Nov 2025 2:33 pm
Operator : BGL
Sample : ncextras 50 ppm 25I0219
Misc :

Quant Time : Wed Nov 26 10:48:09 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
CHRYSENE-D12



Original Int. Results

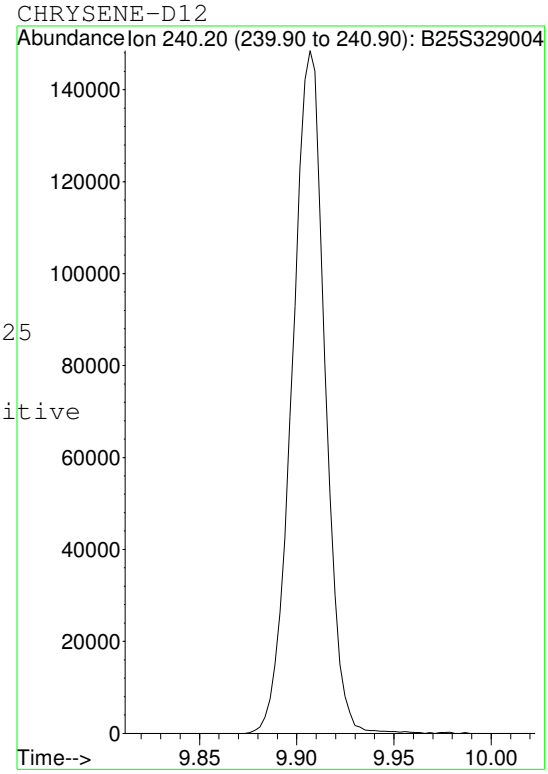
RT : 9.91
Area : 173785
Amount: 40

Manual Int. Results

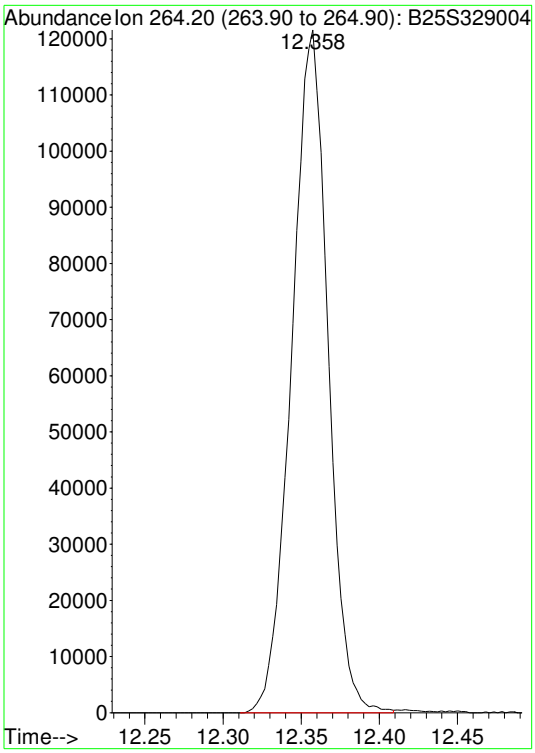
Wed Nov 26 10:48:01 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

Manual Integration
CHRYSENE-D12



Original Integration
PERYLENE-D12



Original Int. Results

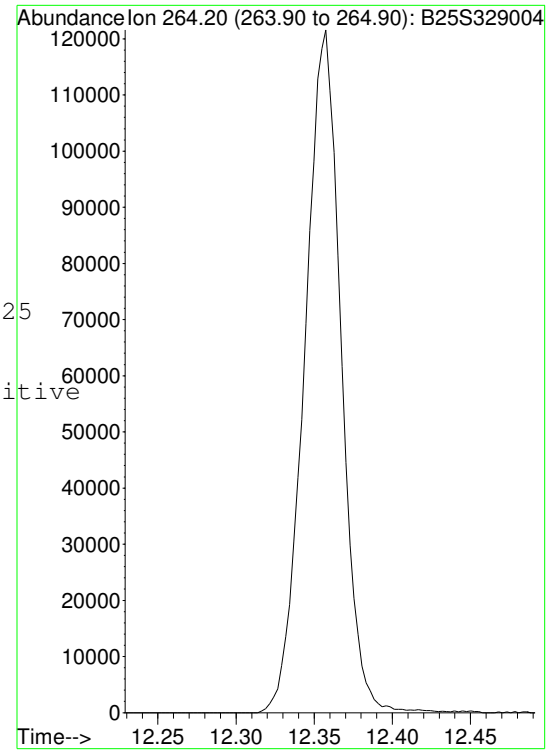
RT : 12.36
Area : 196080
Amount: 40

Manual Int. Results

Wed Nov 26 10:48:00 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 40

Manual Integration
PERYLENE-D12



Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329004.D
Acq On : 25 Nov 2025 2:33 pm
Operator : BGL
Sample : ncextras 50 ppm 25I0219 Inst : GCMSSV2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 25 14:49:07 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-D4	1.000	1.000	0.0	0#	-4.70#
2	S	2-Fluorophenol	1.118	0.000	100.0#	0#	-3.84#
3	S	Phenol-d6	1.843	0.000	100.0#	0#	-4.47#
4	T	N-Nitrosodimethylamine	0.712	0.000	100.0#	0#	-2.77#
5	T	Pyridine	1.701	0.000	100.0#	0#	-2.79#
6	T	Aniline	2.440	0.000	100.0#	0#	-4.49#
7	T	Phenol	2.018	0.000	100.0#	0#	-4.48#
8	T	Bis(2-chloroethyl)ether	1.026	0.000	100.0#	0#	-4.53#
9	T	2-Chlorophenol	1.575	0.000	100.0#	0#	-4.57#
10	T	1,3-Dichlorobenzene	1.642	0.000	100.0#	0#	-4.67#
11	T	1,4-Dichlorobenzene	1.681	0.000	100.0#	0#	-4.71#
12	T	1,2-Dichlorobenzene	1.585	0.000	100.0#	0#	-4.81#
13	T	2- METHYLPHENOL	1.435	0.000	100.0#	0#	-4.86#
14	T	2,2'-oxybis(1-chloropropane	1.664	0.000	100.0#	0#	-4.87#
15	T	Acetophenone	2.062	0.000	100.0#	0#	-4.96#
16	T	3/4- METHYLPHENOL	1.596	0.000	100.0#	0#	-4.95#
17	T	N-Nitroso-Di-N-Propylamine	1.071	0.000	100.0#	0#	-4.96#
18	T	Hexachloroethane	0.644	0.000	100.0#	0#	-5.02#
19	I	NAPHTHALENE-d8	1.000	1.000	0.0	0#	-5.50#
20	S	Nitrobenzene-d5	0.398	0.000	100.0#	0#	-5.05#
21	T	NITROBENZENE	0.401	0.000	100.0#	0#	-5.07#
22	T	Isophorone	0.673	0.000	100.0#	0#	-5.21#
23	T	2-Nitrophenol	0.198	0.000	100.0#	0#	-5.27#
24	T	2,4-Dimethylphenol	0.319	0.000	100.0#	0#	-5.28#
25	T	Bis(2-Chloroethoxy)methane	0.441	0.000	100.0#	0#	-5.34#
26	T	Benzoic Acid	0.197	0.000	100.0#	0#	-5.34#
27	T	2,4-Dichlorophenol	0.304	0.000	100.0#	0#	-5.41#
28	T	1,2,4-Trichlorobenzene	0.326	0.000	100.0#	0#	-5.47#
29	T	Naphthalene	1.100	0.000	100.0#	0#	-5.52#
30	T	4-Chloroaniline	0.474	0.000	100.0#	0#	-5.55#
31	T	Hexachlorobutadiene	0.164	0.000	100.0#	0#	-5.59#
32	T	4-Chloro-3-Methylphenol	0.317	0.000	100.0#	0#	-5.84#
33	T	2-MethylNaphthalene	0.747	0.000	100.0#	0#	-5.94#
34	T	1-Methylnaphthalene	0.703	0.000	100.0#	0#	-6.01#
35	I	ACENAPHTHENE-D10	1.000	1.000	0.0	0#	-6.59#
36	S	2-Fluorobiphenyl	1.321	0.000	100.0#	0#	-6.17#
37	S	2,4,6-Tribromophenol	0.178	0.000	100.0#	0#	-7.08#
38	T	Hexachlorocyclopentadiene	0.318	0.000	100.0#	0#	-6.04#
39	T	1,2,4,5-Tetrachlorobenzene	0.557	0.000	100.0#	0#	-6.05#
40	T	2,4,6-Trichlorophenol	0.377	0.000	100.0#	0#	-6.12#
41	T	2,4,5-Trichlorophenol	0.396	0.000	100.0#	0#	-6.14#
42	T	2-ChloroNaphthalene	1.423	0.000	100.0#	0#	-6.25#
43	T	2-Nitroaniline	0.365	0.000	100.0#	0#	-6.31#
44	T	1,1-Biphenyl	1.495	0.000	100.0#	0#	-6.23#
45	T	DIMETHYL PHTHALATE	1.255	0.000	100.0#	0#	-6.41#
46	T	2,6-DinitroToluene	0.290	0.000	100.0#	0#	-6.45#
47	T	Acenaphthylene	1.915	0.000	100.0#	0#	-6.50#
48	T	3-Nitroaniline	0.358	0.000	100.0#	0#	-6.56#
49	T	Acenaphthene	1.284	0.000	100.0#	0#	-6.61#
50	T	2,4-Dinitrophenol	0.156	0.000	100.0#	0#	-6.62#
51	T	4-Nitrophenol	0.155	0.000	100.0#	0#	-6.65#
52	T	Dibenzofuran	1.695	0.000	100.0#	0#	-6.72#

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329004.D
Acq On : 25 Nov 2025 2:33 pm
Operator : BGL
Sample : ncextras 50 ppm 25I0219 Inst : GCMSSV2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 25 14:49:07 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
53	T	2,4-Dinitrotoluene	0.391	0.000	100.0#	0#	-6.70#
54	T	DIETHYL PHTHALATE	1.191	0.000	100.0#	0#	-6.85#
55	T	4-Chlorophenyl phenyl ether	0.598	0.000	100.0#	0#	-6.92#
56	T	Flourene	1.410	0.000	100.0#	0#	-6.93#
57	T	4-Nitroaniline	0.395	0.000	100.0#	0#	-6.94#
58	I	PHENANTHRENE-D10	1.000	1.000	0.0	0#	-7.51#
59	T	4,6-Dinitro-2-Methylphenol	0.141	0.000	100.0#	0#	-6.96#
60	T	N-Nitrosodiphenylamine	0.691	0.000	100.0#	0#	-7.00#
61	T	1,2-Diphenylhydrazine	0.830	0.000	100.0#	0#	-7.02#
62	T	4-Bromophenyl phenyl ether	0.215	0.000	100.0#	0#	-7.23#
63	T	Hexachlorobenzene	0.238	0.000	100.0#	0#	-7.27#
64	T	Pentachlorophenol	0.160	0.000	100.0#	0#	-7.39#
65	T	Pentachloronitrobenzene	0.042	0.000	100.0#	0#	-7.40#
66	T	Phenanthrene	1.250	0.000	100.0#	0#	-7.53#
67	T	Anthracene	1.250	0.000	100.0#	0#	-7.56#
68	T	Carbazole	1.161	0.000	100.0#	0#	-7.66#
69	T	Di-N-Butyl Phthalate	1.134	0.000	100.0#	0#	-7.87#
70	T	Flouranthene	1.235	0.000	100.0#	0#	-8.37#
71	I	CHRYSENE-D12	1.000	1.000	0.0	0#	-9.91#
72	S	p-Terphenyl-d14	0.828	0.000	100.0#	0#	-8.69#
73	T	Benzidine	0.494	0.000	100.0#	0#	-8.47#
74	T	Pyrene	1.467	0.000	100.0#	0#	-8.56#
75	T	Butylbenzyl phthalate	0.536	0.000	100.0#	0#	-9.20#
76	T	3,3'-Dichlorobenzidine	0.420	0.000	100.0#	0#	-9.87#
77	T	Benzo(a)anthracene	1.349	0.000	100.0#	0#	-9.90#
78	T	Chrysene	1.334	0.000	100.0#	0#	-9.95#
79	T	Bis(2-ethylhexyl)phthalate	0.614	0.000	100.0#	0#	-9.98#
80	I	PERYLENE-D12	1.000	1.000	0.0	0#	-12.36#
81	T	Di-n-octylphthalate	0.981	0.000	100.0#	0#	-11.07#
82	T	Benzo(b)fluoranthene	1.227	0.000	100.0#	0#	-11.65#
83	T	Benzo(k)fluoranthene	1.218	0.000	100.0#	0#	-11.70#
84	T	Benzo(a)pyrene	1.137	0.000	100.0#	0#	-12.25#
85	T	Indeno(1,2,3-cd)pyrene	1.012	0.000	100.0#	0#	-14.31#
86	T	Dibenz(a,h)anthracene	1.064	0.000	100.0#	0#	-14.36#
87	T	Benzo(g,h,i)perylene	1.123	0.000	100.0#	0#	-14.69#
88	I	1,4-Dichlorobenzene-D4 (2)	1.000	1.000	0.0	94	0.00
89		1,4-Dioxane	0.679	0.569	16.2	84	0.00
90		Benzaldehyde	1.331	1.069	19.7	78	0.00
91		Benzyl Alcohol	0.952	1.027	-7.9	102	0.00
92	I	NAPHTHALENE-d8 (2)	1.000	1.000	0.0	87	0.00
93		2,6-Dichlorophenol	0.327	0.351	-7.3	96	0.00
94		Caprolactam	0.123	0.137	-11.4	93	0.00
95	I	ACENAPHTHENE-D10 (2)	1.000	1.000	0.0	84	0.00
96		2,3,4,6-Tetrachlorophenol	0.258	0.300	-16.3	98	0.00
97		Atrazine	0.313	0.405	-29.4#	111	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Sequence:	S129060	Instrument:	GCMSSV2
		Calibration:	2500833

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S129060-CCV1)			*Lab File ID: B25S329003.D*			*Analyzed: 11/25/25 14:08*			
1,4-Dichlorobenzene-d4	58011	4.692	68730	4.702	84	50 - 200	-0.0100	+/-0.50	
Naphthalene-d8	233460	5.494	277939	5.502	84	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	128779	6.584	156569	6.592	82	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	223571	7.508	252852	7.513	88	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	225156	9.907	243698	9.915	92	50 - 200	-0.0080	+/-0.50	
Perylene-d12	251595	12.355	256883	12.36	98	50 - 200	-0.0050	+/-0.50	
Calibration Check (S129060-CCV2)			*Lab File ID: B25S329004.D*			*Analyzed: 11/25/25 14:33*			
1,4-Dichlorobenzene-d4 (2)	50803	4.694	54249	4.702	94	50 - 200	-0.0080	+/-0.50	
Naphthalene-d8 (2)	188142	5.494	217054	5.502	87	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10 (2)	101952	6.584	121260	6.592	84	50 - 200	-0.0080	+/-0.50	
LCS (B417963-BS1)			*Lab File ID: B25S329005.D*			*Analyzed: 11/25/25 14:58*			
1,4-Dichlorobenzene-d4	58930	4.694	58011	4.692	102	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	227408	5.494	233460	5.494	97	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	124610	6.584	128779	6.584	97	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	199554	7.505	223571	7.508	89	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	169629	9.904	225156	9.907	75	50 - 200	-0.0030	+/-0.50	
Perylene-d12	180058	12.355	251595	12.355	72	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4 (2)	58930	4.694	50803	4.694	116	50 - 200	0.0000	+/-0.50	
Naphthalene-d8 (2)	227408	5.494	188142	5.494	121	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (2)	124610	6.584	101952	6.584	122	50 - 200	0.0000	+/-0.50	
LCS Dup (B417963-BSD1)			*Lab File ID: B25S329006.D*			*Analyzed: 11/25/25 15:22*			
1,4-Dichlorobenzene-d4	67314	4.694	58011	4.692	116	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	263223	5.494	233460	5.494	113	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	133036	6.584	128779	6.584	103	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	228058	7.508	223571	7.508	102	50 - 200	0.0000	+/-0.50	
Chrysene-d12	193353	9.904	225156	9.907	86	50 - 200	-0.0030	+/-0.50	
Perylene-d12	209185	12.357	251595	12.355	83	50 - 200	0.0020	+/-0.50	
1,4-Dichlorobenzene-d4 (2)	67314	4.694	50803	4.694	133	50 - 200	0.0000	+/-0.50	
Naphthalene-d8 (2)	263223	5.494	188142	5.494	140	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (2)	133036	6.584	101952	6.584	130	50 - 200	0.0000	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Sequence:	S129060	Instrument:	GCMSSV2
		Calibration:	2500833

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Blank (B417963-BLK1)			*Lab File ID: B25S329007.D*			*Analyzed: 11/25/25 15:47*			
1,4-Dichlorobenzene-d4	60952	4.694	58011	4.692	105	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	228260	5.494	233460	5.494	98	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	119471	6.584	128779	6.584	93	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	194368	7.505	223571	7.508	87	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	161520	9.902	225156	9.907	72	50 - 200	-0.0050	+/-0.50	
Perylene-d12	178667	12.355	251595	12.355	71	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4 (2)	60952	4.694	50803	4.694	120	50 - 200	0.0000	+/-0.50	
Naphthalene-d8 (2)	228260	5.494	188142	5.494	121	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (2)	119471	6.584	101952	6.584	117	50 - 200	0.0000	+/-0.50	
D-3 (0-2in) (25K1216-01)			*Lab File ID: B25S329008.D*			*Analyzed: 11/25/25 16:12*			
1,4-Dichlorobenzene-d4	66620	4.694	58011	4.692	115	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	246924	5.494	233460	5.494	106	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	131162	6.582	128779	6.584	102	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	234956	7.505	223571	7.508	105	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	246470	9.902	225156	9.907	109	50 - 200	-0.0050	+/-0.50	
Perylene-d12	246883	12.36	251595	12.355	98	50 - 200	0.0050	+/-0.50	
1,4-Dichlorobenzene-d4 (2)	66620	4.694	50803	4.694	131	50 - 200	0.0000	+/-0.50	
Naphthalene-d8 (2)	246924	5.494	188142	5.494	131	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (2)	131162	6.582	101952	6.584	129	50 - 200	-0.0020	+/-0.50	
D-3 (2-12in) (25K1216-02)			*Lab File ID: B25S329009.D*			*Analyzed: 11/25/25 16:36*			
1,4-Dichlorobenzene-d4	66508	4.694	58011	4.692	115	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	241437	5.494	233460	5.494	103	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	124231	6.582	128779	6.584	96	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	214793	7.505	223571	7.508	96	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	238458	9.907	225156	9.907	106	50 - 200	0.0000	+/-0.50	
Perylene-d12	260937	12.36	251595	12.355	104	50 - 200	0.0050	+/-0.50	
1,4-Dichlorobenzene-d4 (2)	66508	4.694	50803	4.694	131	50 - 200	0.0000	+/-0.50	
Naphthalene-d8 (2)	241437	5.494	188142	5.494	128	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (2)	124231	6.582	101952	6.584	122	50 - 200	-0.0020	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Sequence:	S129060	Instrument:	GCMSSV2
		Calibration:	2500833

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
E-2 (0-2in) (25K1216-03)			*Lab File ID: B25S329010.D*			*Analyzed: 11/25/25 17:01*			
1,4-Dichlorobenzene-d4	62918	4.694	58011	4.692	108	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	232689	5.494	233460	5.494	100	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	128797	6.582	128779	6.584	100	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	217740	7.505	223571	7.508	97	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	218291	9.904	225156	9.907	97	50 - 200	-0.0030	+/-0.50	
Perylene-d12	223563	12.358	251595	12.355	89	50 - 200	0.0030	+/-0.50	
1,4-Dichlorobenzene-d4 (2)	62918	4.694	50803	4.694	124	50 - 200	0.0000	+/-0.50	
Naphthalene-d8 (2)	232689	5.494	188142	5.494	124	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (2)	128797	6.582	101952	6.584	126	50 - 200	-0.0020	+/-0.50	
E-2 (2-12in) (25K1216-04)			*Lab File ID: B25S329011.D*			*Analyzed: 11/25/25 17:26*			
1,4-Dichlorobenzene-d4	61513	4.694	58011	4.692	106	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	241528	5.494	233460	5.494	103	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	131296	6.582	128779	6.584	102	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	224373	7.505	223571	7.508	100	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	229980	9.904	225156	9.907	102	50 - 200	-0.0030	+/-0.50	
Perylene-d12	238498	12.357	251595	12.355	95	50 - 200	0.0020	+/-0.50	
1,4-Dichlorobenzene-d4 (2)	61513	4.694	50803	4.694	121	50 - 200	0.0000	+/-0.50	
Naphthalene-d8 (2)	241528	5.494	188142	5.494	128	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (2)	131296	6.582	101952	6.584	129	50 - 200	-0.0020	+/-0.50	
E-3 (0-2in) (25K1216-05)			*Lab File ID: B25S329012.D*			*Analyzed: 11/25/25 17:51*			
1,4-Dichlorobenzene-d4	61282	4.692	58011	4.692	106	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	237125	5.491	233460	5.494	102	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	124923	6.582	128779	6.584	97	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	211135	7.505	223571	7.508	94	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	221764	9.902	225156	9.907	98	50 - 200	-0.0050	+/-0.50	
Perylene-d12	204507	12.355	251595	12.355	81	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4 (2)	61282	4.692	50803	4.694	121	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8 (2)	237125	5.491	188142	5.494	126	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10 (2)	124923	6.582	101952	6.584	123	50 - 200	-0.0020	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Sequence:	S129060	Instrument:	GCMSSV2
		Calibration:	2500833

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
E-3 (2-12in) (25K1216-06)			*Lab File ID: B25S329013.D*			*Analyzed: 11/25/25 18:15*			
1,4-Dichlorobenzene-d4	62662	4.694	58011	4.692	108	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	237327	5.491	233460	5.494	102	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	123863	6.582	128779	6.584	96	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	199858	7.505	223571	7.508	89	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	222440	9.904	225156	9.907	99	50 - 200	-0.0030	+/-0.50	
Perylene-d12	194511	12.357	251595	12.355	77	50 - 200	0.0020	+/-0.50	
1,4-Dichlorobenzene-d4 (2)	62662	4.694	50803	4.694	123	50 - 200	0.0000	+/-0.50	
Naphthalene-d8 (2)	237327	5.491	188142	5.494	126	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10 (2)	123863	6.582	101952	6.584	121	50 - 200	-0.0020	+/-0.50	
Matrix Spike (B417963-MS1)			*Lab File ID: B25S329016.D*			*Analyzed: 11/25/25 19:30*			
1,4-Dichlorobenzene-d4	53616	4.694	58011	4.692	92	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	203330	5.494	233460	5.494	87	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	106343	6.582	128779	6.584	83	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	179445	7.505	223571	7.508	80	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	190508	9.904	225156	9.907	85	50 - 200	-0.0030	+/-0.50	
Perylene-d12	157802	12.358	251595	12.355	63	50 - 200	0.0030	+/-0.50	
1,4-Dichlorobenzene-d4 (2)	53616	4.694	50803	4.694	106	50 - 200	0.0000	+/-0.50	
Naphthalene-d8 (2)	203330	5.494	188142	5.494	108	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (2)	106320	6.582	101952	6.584	104	50 - 200	-0.0020	+/-0.50	
Matrix Spike Dup (B417963-MSD1)			*Lab File ID: B25S329017.D*			*Analyzed: 11/25/25 19:54*			
1,4-Dichlorobenzene-d4	59812	4.694	58011	4.692	103	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	224754	5.494	233460	5.494	96	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	119157	6.584	128779	6.584	93	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	205172	7.505	223571	7.508	92	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	198058	9.907	225156	9.907	88	50 - 200	0.0000	+/-0.50	
Perylene-d12	184696	12.357	251595	12.355	73	50 - 200	0.0020	+/-0.50	
1,4-Dichlorobenzene-d4 (2)	59812	4.694	50803	4.694	118	50 - 200	0.0000	+/-0.50	
Naphthalene-d8 (2)	224754	5.494	188142	5.494	119	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (2)	119157	6.584	101952	6.584	117	50 - 200	0.0000	+/-0.50	

QC DATA

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Pace New England			Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B417963-BLK1	File ID:	B25S329007.D
Sampled:		Prepared:	11/21/25 07:21	Analyzed:	11/25/25 15:47
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.06 g / 1 mL				
Batch:	B417963	Sequence:	S129060	Calibration:	2500833
Instrument:	GCMSSV2				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg wet)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol		0.048	0.67	
1912-24-9	Atrazine		0.046	0.67	V-06
100-52-7	Benzaldehyde		0.047	0.34	V-34
92-52-4	Biphenyl		0.038	0.067	
105-60-2	Caprolactam		0.059	0.34	
83-32-9	Acenaphthene		0.0037	0.033	
208-96-8	Acenaphthylene		0.0042	0.033	
98-86-2	Acetophenone		0.036	0.34	
62-53-3	Aniline		0.064	0.34	V-34
120-12-7	Anthracene		0.0038	0.033	
56-55-3	Benzo(a)anthracene		0.0052	0.033	
50-32-8	Benzo(a)pyrene		0.011	0.033	
205-99-2	Benzo(b)fluoranthene		0.0082	0.033	
191-24-2	Benzo(g,h,i)perylene		0.013	0.033	
207-08-9	Benzo(k)fluoranthene		0.0068	0.033	
111-91-1	Bis(2-chloroethoxy)methane		0.034	0.34	
111-44-4	Bis(2-chloroethyl)ether		0.045	0.34	
108-60-1	2,2'-oxybis(1-Chloropropane)		0.14	0.34	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.046	0.34	V-06
101-55-3	4-Bromophenylphenylether		0.030	0.34	
85-68-7	Butylbenzylphthalate		0.038	0.34	
86-74-8	Carbazole		0.035	0.17	
106-47-8	4-Chloroaniline		0.054	0.66	
59-50-7	4-Chloro-3-methylphenol		0.036	0.66	
91-58-7	2-Chloronaphthalene		0.030	0.34	
95-57-8	2-Chlorophenol		0.030	0.34	
7005-72-3	4-Chlorophenylphenylether		0.031	0.34	
218-01-9	Chrysene		0.0043	0.033	
53-70-3	Dibenz(a,h)anthracene		0.015	0.033	

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Pace New England			Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B417963-BLK1	File ID:	B25S329007.D
Sampled:		Prepared:	11/21/25 07:21	Analyzed:	11/25/25 15:47
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.06 g / 1 mL				
Batch:	B417963	Sequence:	S129060	Calibration:	2500833
Instrument:	GCMSSV2				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg wet)	MDL	RL	Q
132-64-9	Dibenzofuran		0.033	0.34	
84-74-2	Di-n-butylphthalate		0.13	0.34	
91-94-1	3,3-Dichlorobenzidine		0.060	0.17	
120-83-2	2,4-Dichlorophenol		0.032	0.34	
84-66-2	Diethylphthalate		0.033	0.34	
105-67-9	2,4-Dimethylphenol		0.070	0.34	
131-11-3	Dimethylphthalate		0.030	0.34	
534-52-1	4,6-Dinitro-2-methylphenol		0.28	0.34	
51-28-5	2,4-Dinitrophenol		0.32	0.66	V-04, V-06
121-14-2	2,4-Dinitrotoluene		0.080	0.34	
606-20-2	2,6-Dinitrotoluene		0.043	0.34	
117-84-0	Di-n-octylphthalate		0.050	0.34	V-06
206-44-0	Fluoranthene		0.0047	0.033	
86-73-7	Fluorene		0.0040	0.033	
118-74-1	Hexachlorobenzene		0.034	0.34	
87-68-3	Hexachlorobutadiene		0.035	0.34	
77-47-4	Hexachlorocyclopentadiene		0.17	0.34	
67-72-1	Hexachloroethane		0.031	0.34	
193-39-5	Indeno(1,2,3-cd)pyrene		0.014	0.033	
78-59-1	Isophorone		0.036	0.34	
90-12-0	1-Methylnaphthalene		0.0042	0.033	
91-57-6	2-Methylnaphthalene		0.0038	0.033	
95-48-7	2-Methylphenol		0.043	0.34	
108-39-4/106-44-5	3/4-Methylphenol		0.055	0.34	
91-20-3	Naphthalene		0.0048	0.033	
88-74-4	2-Nitroaniline		0.052	0.34	
99-09-2	3-Nitroaniline		0.044	0.34	
100-01-6	4-Nitroaniline		0.048	0.34	
98-95-3	Nitrobenzene		0.038	0.34	

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Pace New England			Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B417963-BLK1	File ID:	B25S329007.D
Sampled:		Prepared:	11/21/25 07:21	Analyzed:	11/25/25 15:47
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.06 g / 1 mL				
Batch:	B417963	Sequence:	S129060	Calibration:	2500833
Instrument:	GCMSSV2				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg wet)	MDL	RL	Q
88-75-5	2-Nitrophenol		0.035	0.34	
100-02-7	4-Nitrophenol		0.13	0.66	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.044	0.34	
621-64-7	N-Nitrosodi-n-propylamine		0.042	0.34	
87-86-5	Pentachlorophenol		0.043	0.34	
85-01-8	Phenanthrene		0.0034	0.033	
108-95-2	Phenol		0.032	0.34	
129-00-0	Pyrene		0.0057	0.033	
110-86-1	Pyridine		0.043	0.34	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.033	0.34	
95-95-4	2,4,5-Trichlorophenol		0.034	0.34	
88-06-2	2,4,6-Trichlorophenol		0.030	0.34	

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329007.D
Acq On : 25 Nov 2025 3:47 pm
Operator : BGL
Sample : B417963-BLK1 Inst : GCMSSV2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 25 16:03:18 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

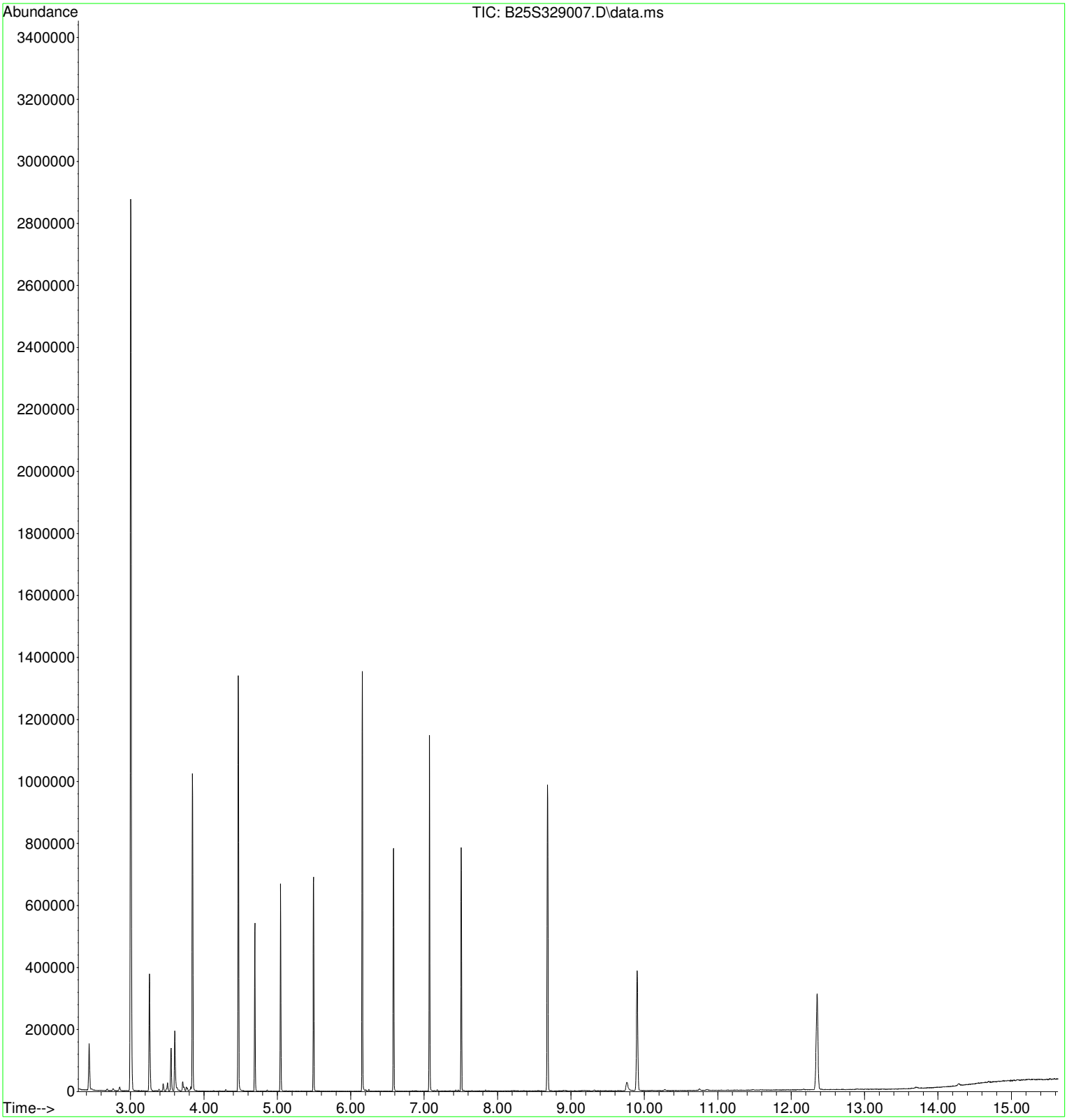
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.694	152	60952	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	5.494	136	228260	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	6.584	164	119471	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	7.505	188	194368	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.902	240	161520	40.00	ug/ml	-0.01
80) PERYLENE-D12	12.355	264	178667	40.00	ug/ml	0.00
88) 1,4-Dichlorobenzene-D4...	4.694	152	60952	40.00	ug/ml	0.00
92) NAPHTHALENE-d8 (2)	5.494	136	228260	40.00	ug/ml	0.00
95) ACENAPHTHENE-D10 (2)	6.584	164	119471	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	3.843	112	223969	131.52	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 65.76%			
3) Phenol-d6	4.468	99	355739	126.69	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 63.34%			
20) Nitrobenzene-d5	5.044	82	149364	65.75	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 65.75%			
36) 2-Fluorobiphenyl	6.157	172	281571	71.39	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 71.39%			
37) 2,4,6-Tribromophenol	7.073	330	83262	156.92	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 78.46%			
72) p-Terphenyl-d14	8.680	244	269388	80.54	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 80.54%			

Target Compounds	Qvalue

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

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329007.D
Acq On : 25 Nov 2025 3:47 pm
Operator : BGL
Sample : B417963-BLK1 Inst : GCMSSV2
Misc :
ALS Vial : 7 Sample Multiplier: 1

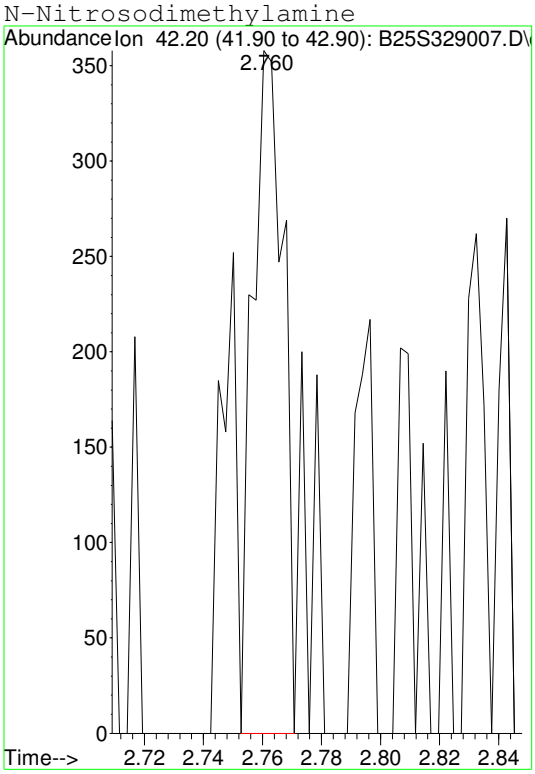
Quant Time: Nov 25 16:03:18 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329007.D
Acq On : 25 Nov 2025 3:47 pm
Operator : BGL
Sample : B417963-BLK1
Misc :

Quant Time : Wed Nov 26 11:22:53 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
N-Nitrosodimethylamine



Original Int. Results

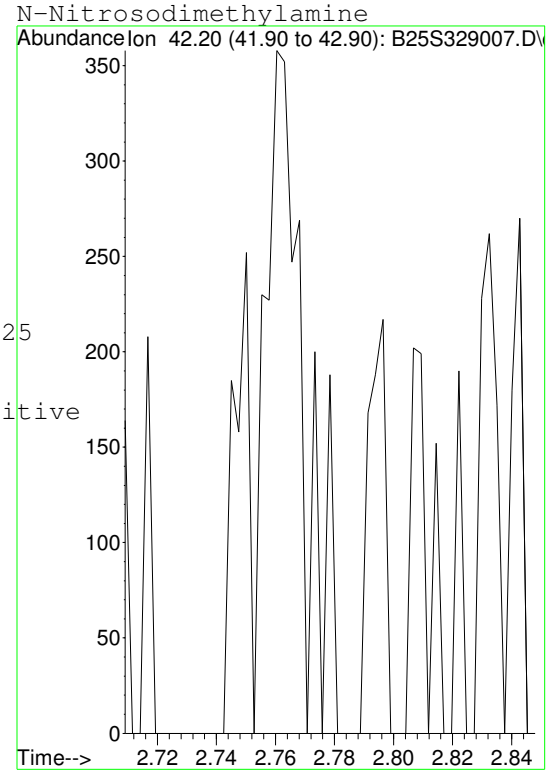
RT : 2.76
Area : 260
Amount: 0.239549

Manual Int. Results

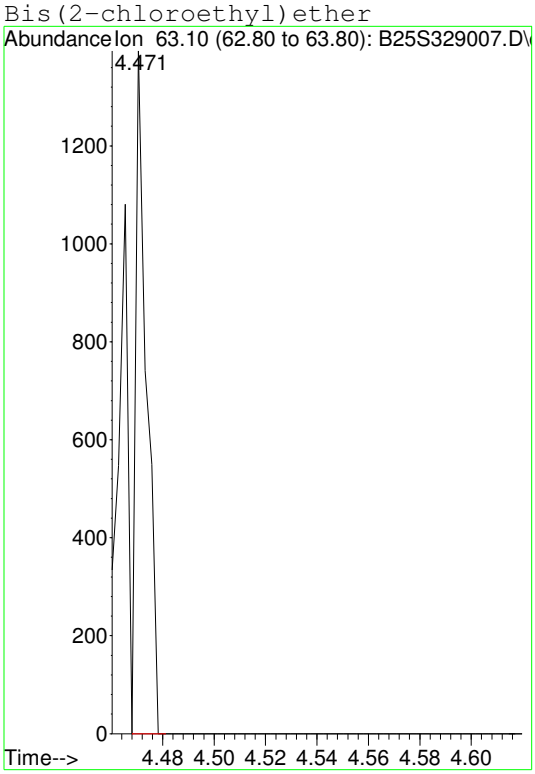
Wed Nov 26 11:22:32 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
N-Nitrosodimethylamine



Original Integration
Bis(2-chloroethyl)ether



Original Int. Results

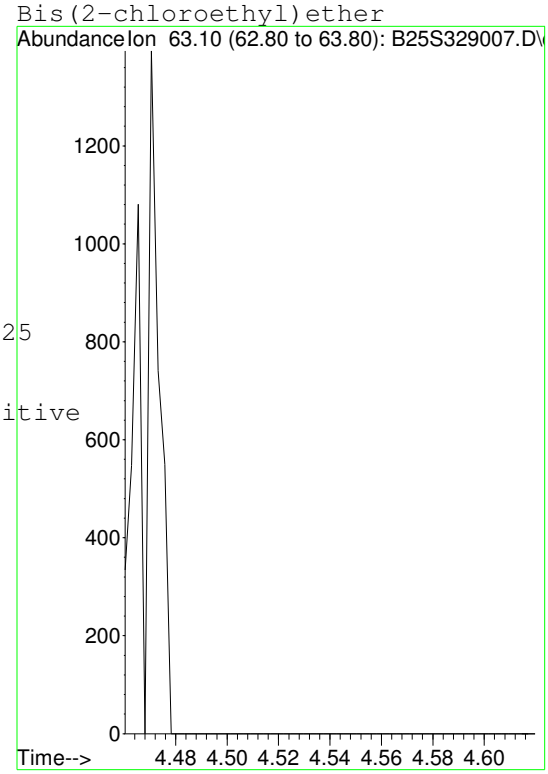
RT : 4.47
Area : 414
Amount: 0.2647

Manual Int. Results

Wed Nov 26 11:22:29 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

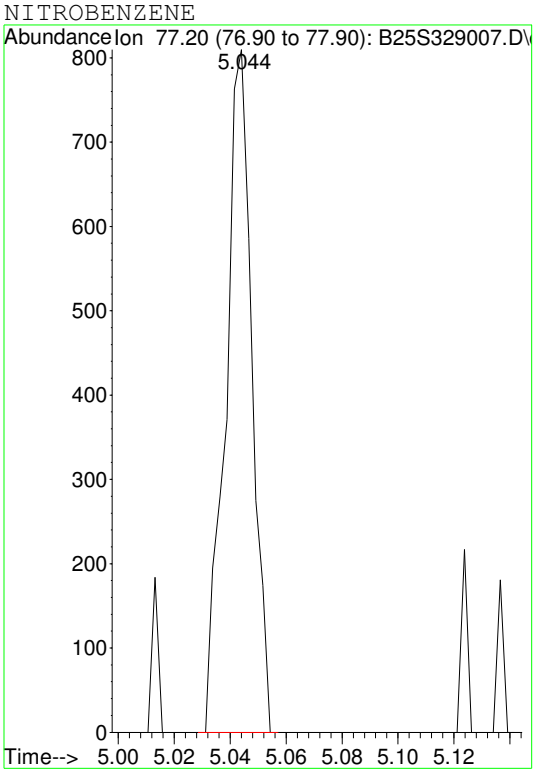
Manual Integration
Bis(2-chloroethyl)ether



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329007.D
Acq On : 25 Nov 2025 3:47 pm
Operator : BGL
Sample : B417963-BLK1
Misc :

Quant Time : Wed Nov 26 11:22:53 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
NITROBENZENE



Original Int. Results

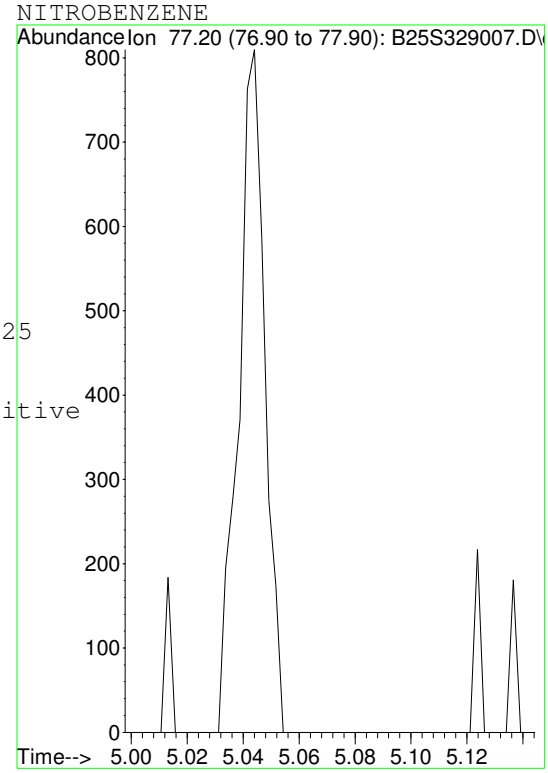
RT : 5.04
Area : 533
Amount: 0.232896

Manual Int. Results

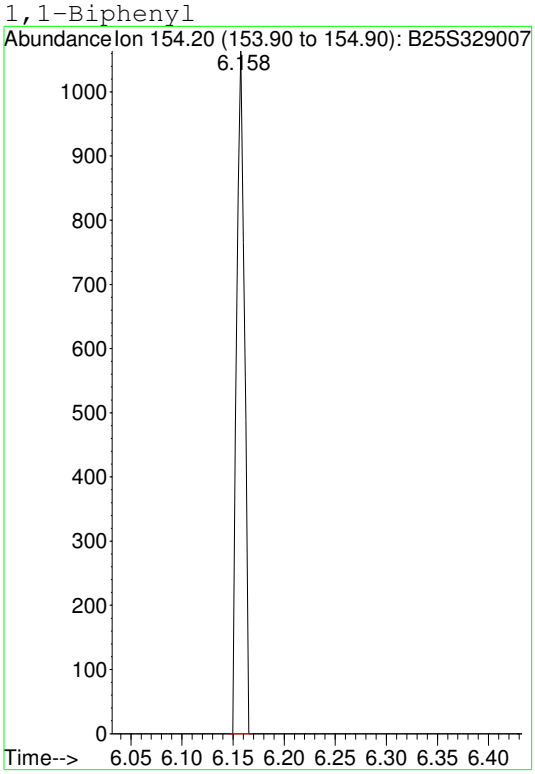
Wed Nov 26 11:22:42 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
NITROBENZENE



Original Integration
1,1-Biphenyl



Original Int. Results

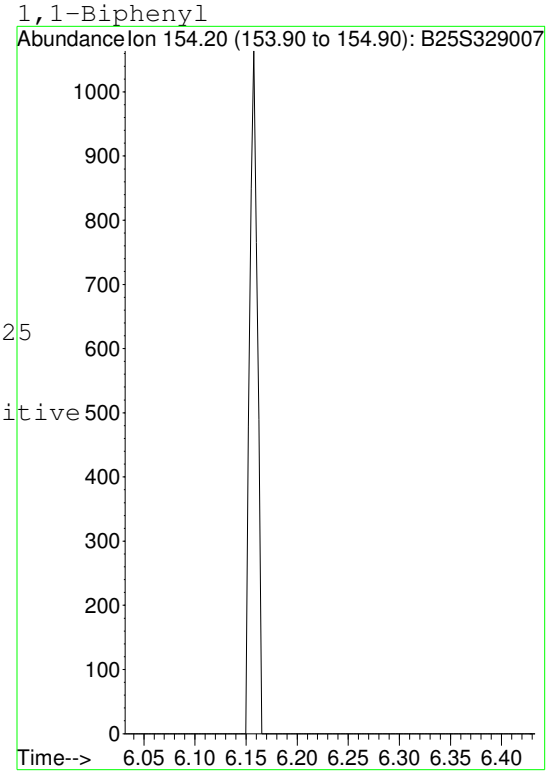
RT : 6.16
Area : 562
Amount: 0.125849

Manual Int. Results

Wed Nov 26 11:22:42 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

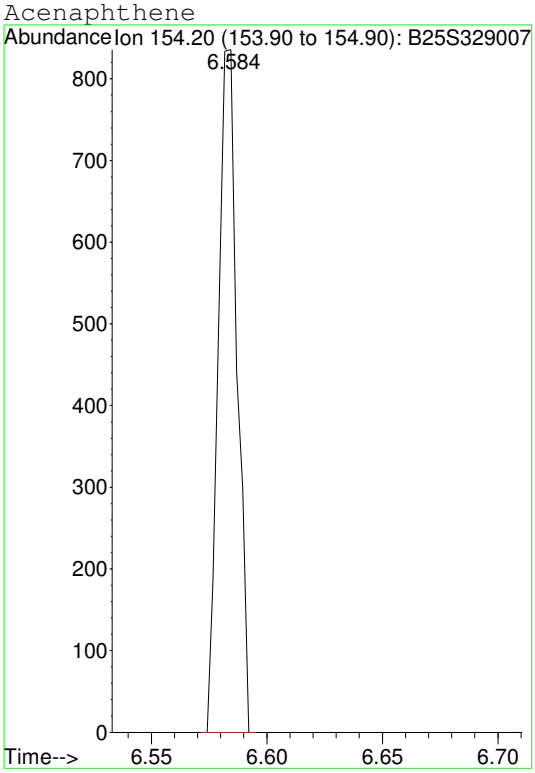
Manual Integration
1,1-Biphenyl



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329007.D
Acq On : 25 Nov 2025 3:47 pm
Operator : BGL
Sample : B417963-BLK1
Misc :

Quant Time : Wed Nov 26 11:22:53 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Acenaphthene



Original Int. Results

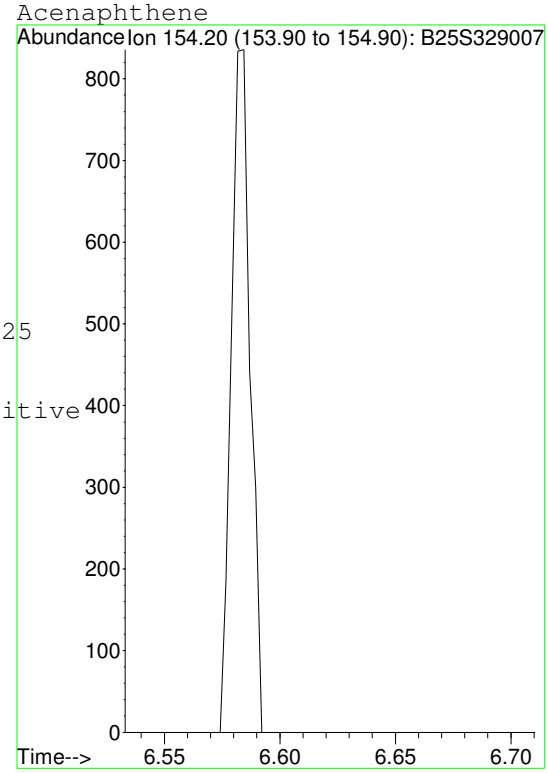
RT : 6.58
Area : 481
Amount: 0.125443

Manual Int. Results

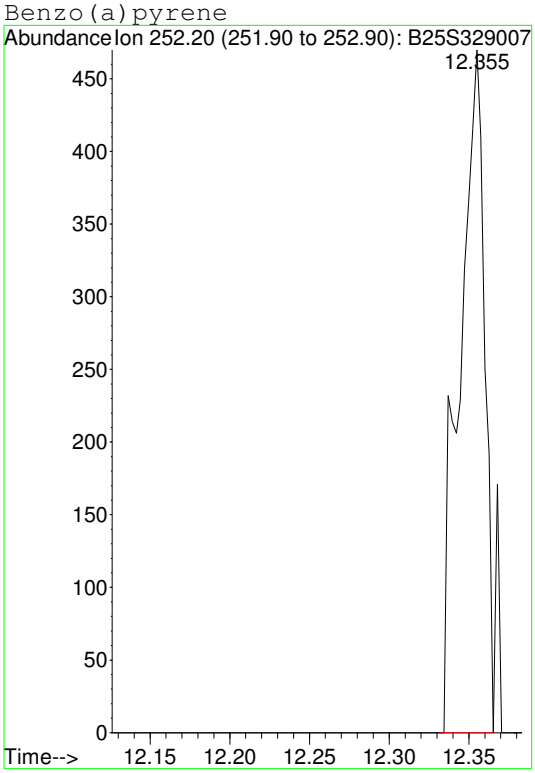
Wed Nov 26 11:22:41 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Acenaphthene



Original Integration
Benzo(a)pyrene



Original Int. Results

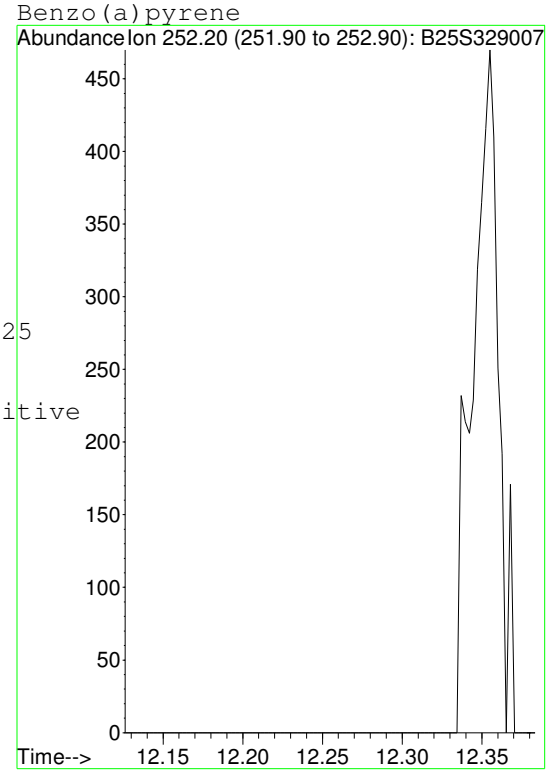
RT : 12.35
Area : 510
Amount: 0.100398

Manual Int. Results

Wed Nov 26 11:22:50 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

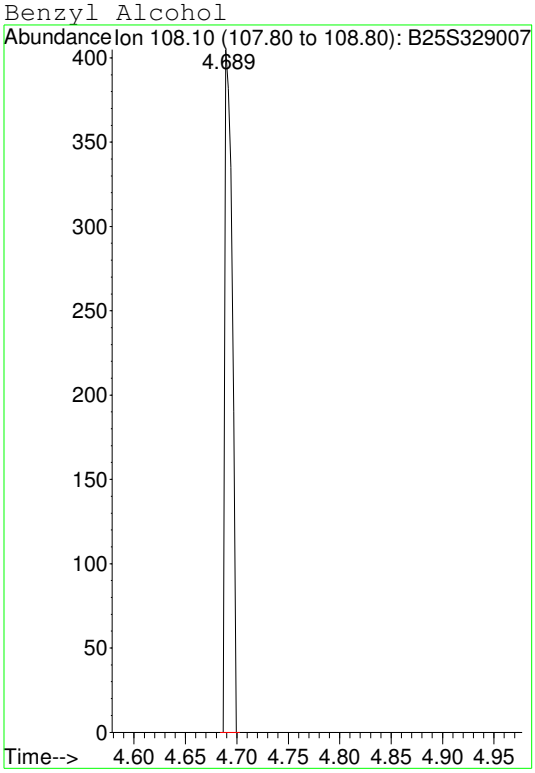
Manual Integration
Benzo(a)pyrene



Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329007.D
Acq On : 25 Nov 2025 3:47 pm
Operator : BGL
Sample : B417963-BLK1
Misc :

Quant Time : Wed Nov 26 11:22:53 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
QLast Update : Wed Nov 19 13:03:36 2025

Original Integration
Benzyl Alcohol



Original Int. Results

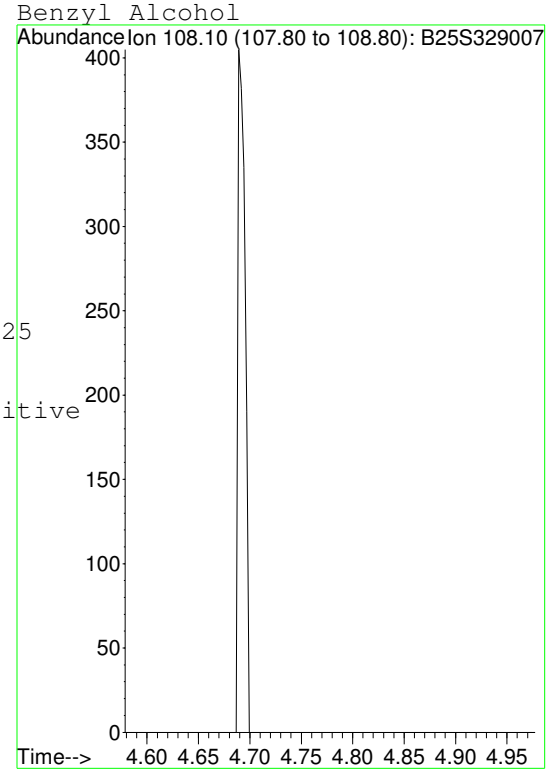
RT : 4.69
Area : 202
Amount: 0.139207

Manual Int. Results

Wed Nov 26 11:22:53 2025

MIuser: BGL
Reason: QDEL False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Benzyl Alcohol



1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Pace New England			Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B417963-BS1	File ID:	B25S329005.D
Sampled:		Prepared:	11/21/25 07:21	Analyzed:	11/25/25 14:58
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.05 g / 1 mL				
Batch:	B417963	Sequence:	S129060	Calibration:	2500833
Instrument:	GCMSSV2				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg wet)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol	1.15	0.048	0.67	
1912-24-9	Atrazine	1.23	0.046	0.67	V-06
100-52-7	Benzaldehyde	0.696	0.047	0.34	V-34
92-52-4	Biphenyl	1.16	0.038	0.067	
105-60-2	Caprolactam	1.06	0.059	0.34	
83-32-9	Acenaphthene	1.09	0.0037	0.033	
208-96-8	Acenaphthylene	1.18	0.0042	0.033	
98-86-2	Acetophenone	0.959	0.036	0.34	
62-53-3	Aniline	0.615	0.064	0.34	V-34
120-12-7	Anthracene	1.08	0.0038	0.033	
56-55-3	Benzo(a)anthracene	1.10	0.0052	0.033	
50-32-8	Benzo(a)pyrene	1.16	0.011	0.033	
205-99-2	Benzo(b)fluoranthene	1.16	0.0082	0.033	
191-24-2	Benzo(g,h,i)perylene	1.35	0.013	0.033	
207-08-9	Benzo(k)fluoranthene	1.13	0.0068	0.033	
111-91-1	Bis(2-chloroethoxy)methane	0.996	0.034	0.34	
111-44-4	Bis(2-chloroethyl)ether	0.965	0.045	0.34	
108-60-1	2,2'-oxybis(1-Chloropropane)	1.12	0.14	0.34	
117-81-7	Bis(2-Ethylhexyl)phthalate	1.47	0.046	0.34	V-06
101-55-3	4-Bromophenylphenylether	1.19	0.030	0.34	
85-68-7	Butylbenzylphthalate	1.33	0.038	0.34	
86-74-8	Carbazole	1.09	0.035	0.17	
106-47-8	4-Chloroaniline	0.675	0.055	0.66	
59-50-7	4-Chloro-3-methylphenol	1.08	0.036	0.66	
91-58-7	2-Chloronaphthalene	0.956	0.030	0.34	
95-57-8	2-Chlorophenol	0.971	0.030	0.34	
7005-72-3	4-Chlorophenylphenylether	1.08	0.031	0.34	
218-01-9	Chrysene	1.07	0.0043	0.033	
53-70-3	Dibenz(a,h)anthracene	1.39	0.015	0.033	

1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Pace New England			Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B417963-BS1	File ID:	B25S329005.D
Sampled:		Prepared:	11/21/25 07:21	Analyzed:	11/25/25 14:58
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.05 g / 1 mL				
Batch:	B417963	Sequence:	S129060	Calibration:	2500833
Instrument:	GCMSSV2				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg wet)	MDL	RL	Q
132-64-9	Dibenzofuran	1.10	0.033	0.34	
84-74-2	Di-n-butylphthalate	1.23	0.13	0.34	
91-94-1	3,3-Dichlorobenzidine	1.05	0.060	0.17	
120-83-2	2,4-Dichlorophenol	1.10	0.032	0.34	
84-66-2	Diethylphthalate	1.14	0.033	0.34	
105-67-9	2,4-Dimethylphenol	1.10	0.070	0.34	
131-11-3	Dimethylphthalate	1.18	0.030	0.34	
534-52-1	4,6-Dinitro-2-methylphenol	1.17	0.28	0.34	
51-28-5	2,4-Dinitrophenol	1.28	0.32	0.66	V-04, V-06
121-14-2	2,4-Dinitrotoluene	1.18	0.080	0.34	
606-20-2	2,6-Dinitrotoluene	1.23	0.043	0.34	
117-84-0	Di-n-octylphthalate	1.43	0.050	0.34	V-06
206-44-0	Fluoranthene	1.09	0.0047	0.033	
86-73-7	Fluorene	1.08	0.0040	0.033	
118-74-1	Hexachlorobenzene	1.22	0.034	0.34	
87-68-3	Hexachlorobutadiene	1.13	0.035	0.34	
77-47-4	Hexachlorocyclopentadiene	1.30	0.17	0.34	
67-72-1	Hexachloroethane	0.959	0.031	0.34	
193-39-5	Indeno(1,2,3-cd)pyrene	1.46	0.014	0.033	
78-59-1	Isophorone	1.11	0.036	0.34	
90-12-0	1-Methylnaphthalene	1.04	0.0042	0.033	
91-57-6	2-Methylnaphthalene	0.950	0.0038	0.033	
95-48-7	2-Methylphenol	1.00	0.043	0.34	
108-39-4/106-44-5	3/4-Methylphenol	1.06	0.055	0.34	
91-20-3	Naphthalene	1.02	0.0048	0.033	
88-74-4	2-Nitroaniline	1.34	0.052	0.34	
99-09-2	3-Nitroaniline	1.02	0.044	0.34	
100-01-6	4-Nitroaniline	1.02	0.048	0.34	
98-95-3	Nitrobenzene	1.03	0.038	0.34	

1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Pace New England			Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B417963-BS1	File ID:	B25S329005.D
Sampled:		Prepared:	11/21/25 07:21	Analyzed:	11/25/25 14:58
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.05 g / 1 mL				
Batch:	B417963	Sequence:	S129060	Calibration:	2500833
Instrument:	GCMSSV2				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg wet)	MDL	RL	Q
88-75-5	2-Nitrophenol	1.10	0.035	0.34	
100-02-7	4-Nitrophenol	1.19	0.13	0.66	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine	1.12	0.044	0.34	
621-64-7	N-Nitrosodi-n-propylamine	1.01	0.042	0.34	
87-86-5	Pentachlorophenol	1.03	0.043	0.34	
85-01-8	Phenanthrene	1.07	0.0034	0.033	
108-95-2	Phenol	0.993	0.032	0.34	
129-00-0	Pyrene	1.12	0.0057	0.033	
110-86-1	Pyridine	0.640	0.043	0.34	
95-94-3	1,2,4,5-Tetrachlorobenzene	1.13	0.033	0.34	
95-95-4	2,4,5-Trichlorophenol	1.19	0.034	0.34	
88-06-2	2,4,6-Trichlorophenol	1.17	0.030	0.34	

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329005.D
Acq On : 25 Nov 2025 2:58 pm
Operator : BGL
Sample : B417963-BS1@/DERS Inst : GCMSSV2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 25 15:13:56 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.694	152	58930	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	5.494	136	227408	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	6.584	164	124610	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	7.505	188	199554	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.904	240	169629	40.00	ug/ml	-0.01
80) PERYLENE-D12	12.355	264	180058	40.00	ug/ml	0.00
88) 1,4-Dichlorobenzene-D4...	4.694	152	58930	40.00	ug/ml	0.00
92) NAPHTHALENE-d8 (2)	5.494	136	227408	40.00	ug/ml	0.00
95) ACENAPHTHENE-D10 (2)	6.584	164	124610	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	3.846	112	203467	123.58	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 61.79%			
3) Phenol-d6	4.471	99	324111	119.39	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 59.70%			
20) Nitrobenzene-d5	5.044	82	134746	59.54	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 59.54%			
36) 2-Fluorobiphenyl	6.158	172	281083	68.33	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 68.33%			
37) 2,4,6-Tribromophenol	7.073	330	85687	154.83	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 77.42%			
72) p-Terphenyl-d14	8.680	244	274492	78.14	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 78.14%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.766	42	27766	26.46	ug/ml#	82
5) Pyridine	2.797	79	48214	19.24	ug/ml	98
6) Aniline	4.486	93	66465	18.49	ug/ml#	1
7) Phenol	4.478	94	88726	29.84	ug/ml#	57
8) Bis(2-chloroethyl)ether	4.525	63	43868	29.01	ug/ml	91
9) 2-Chlorophenol	4.566	128	67696	29.18	ug/ml	97
10) 1,3-Dichlorobenzene	4.658	146	67175	27.77	ug/ml	98
11) 1,4-Dichlorobenzene	4.705	146	68970	27.84	ug/ml	100
12) 1,2-Dichlorobenzene	4.802	146	66793	28.61	ug/ml	99
13) 2- METHYLPHENOL	4.856	108	63709	30.14	ug/ml	96
14) 2,2'-oxybis(1-chloropr...	4.864	45	82823	33.79	ug/ml	99
15) Acetophenone	4.946	105	87537	28.81	ug/ml#	86
16) 3/4- METHYLPHENOL	4.952	107	74915	31.86	ug/ml#	77
17) N-Nitroso-Di-N-Propyla...	4.946	70	47904	30.37	ug/ml	95
18) Hexachloroethane	5.013	117	27357	28.83	ug/ml	94
21) NITROBENZENE	5.057	77	70337	30.85	ug/ml	96
22) Isophorone	5.204	82	127347	33.30	ug/ml	99
23) 2-Nitrophenol	5.255	139	37316	33.19	ug/ml	98
24) 2,4-Dimethylphenol	5.281	122	60279	33.19	ug/ml	94
25) Bis(2-Chloroethoxy)met...	5.335	93	75052	29.93	ug/ml	99
26) Benzoic Acid	5.332	122	39547	35.22	ug/ml	98
27) 2,4-Dichlorophenol	5.407	162	56948	32.92	ug/ml	99
28) 1,2,4-Trichlorobenzene	5.456	180	56866	30.71	ug/ml	97
29) Naphthalene	5.507	128	191178	30.57	ug/ml	100
30) 4-Chloroaniline	5.538	127	54683	20.27	ug/ml	98
31) Hexachlorobutadiene	5.579	225	31549	33.87	ug/ml	98
32) 4-Chloro-3-Methylphenol	5.839	107	58743	32.55	ug/ml	99
33) 2-MethylNaphthalene	5.934	142	121256	28.55	ug/ml	99
34) 1-Methylnaphthalene	5.998	142	124376	31.12	ug/ml	99
38) Hexachlorocyclopentadiene	6.032	237	38581	38.93	ug/ml	99
39) 1,2,4,5-Tetrachloroben...	6.039	216	58972	33.98	ug/ml	98
40) 2,4,6-Trichlorophenol	6.111	196	41129	35.03	ug/ml	100

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329005.D
Acq On : 25 Nov 2025 2:58 pm
Operator : BGL
Sample : B417963-BS1@/DERS Inst : GCMSSV2
Misc :
ALS Vial : 5 Sample Multiplier: 1

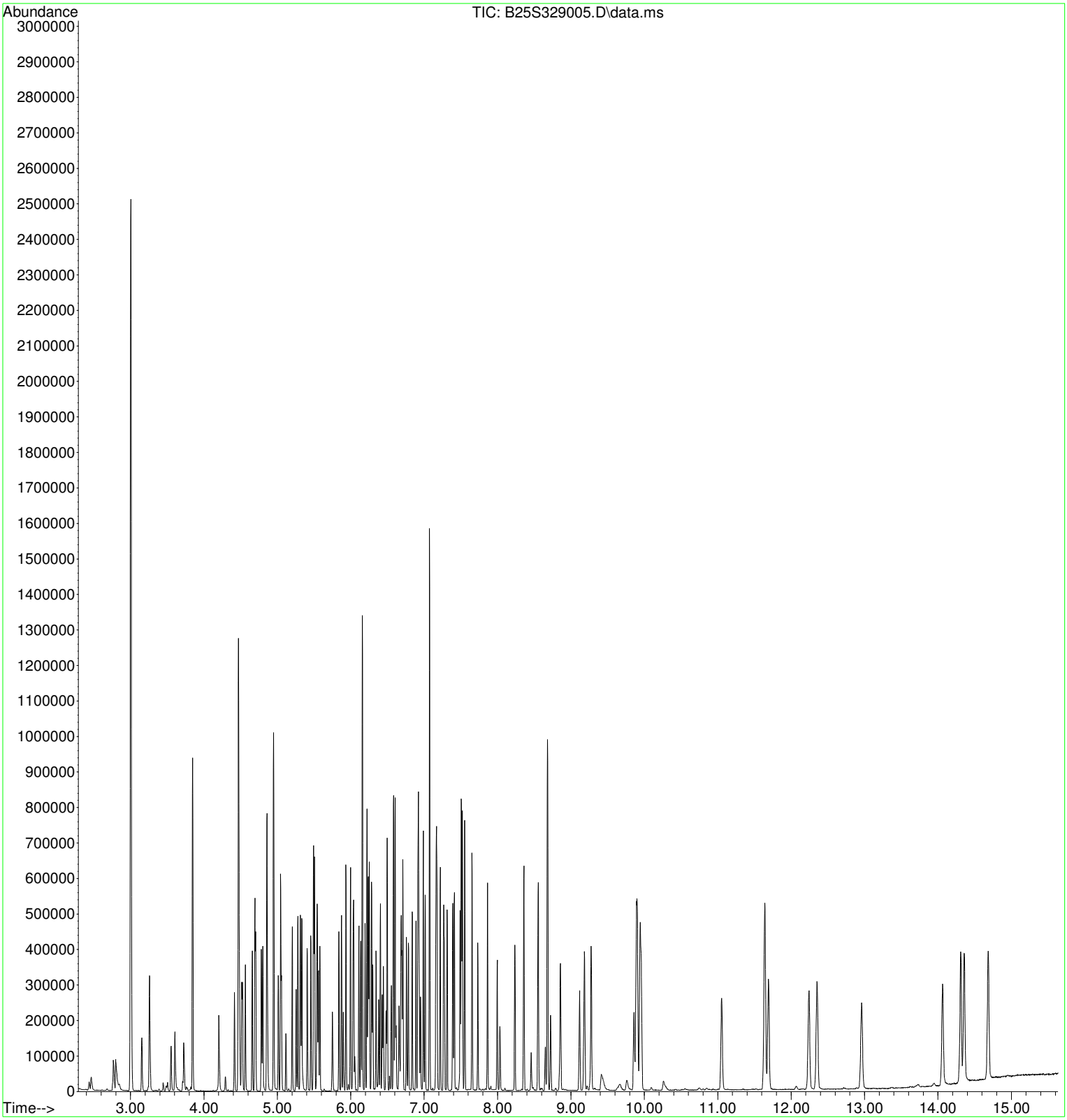
Quant Time: Nov 25 15:13:56 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 2,4,5-Trichlorophenol	6.137	196	44049	35.75	ug/ml	91
42) 2-ChloroNaphthalene	6.240	162	127340	28.72	ug/ml	98
43) 2-Nitroaniline	6.299	65	45784	40.32	ug/ml	86
44) 1,1-Biphenyl	6.222	154	162802	34.95	ug/ml	100
45) DIMETHYL PHTHALATE	6.404	163	138907	35.54	ug/ml	100
46) 2,6-DinitroToluene	6.446	165	33329	36.95	ug/ml	96
47) Acenaphthylene	6.497	152	210592	35.31	ug/ml	99
48) 3-Nitroaniline	6.554	138	34118	30.61	ug/ml	96
49) Acenaphthene	6.605	154	130844	32.72	ug/ml	99
50) 2,4-Dinitrophenol	6.618	184	18766	38.54	ug/ml#	93
51) 4-Nitrophenol	6.659	109	17271	35.83	ug/ml	96
52) Dibenzofuran	6.710	168	174268	33.00	ug/ml	99
53) 2,4-Dinitrotoluene	6.695	165	43215	35.49	ug/ml	93
54) DIETHYL PHTHALATE	6.836	149	127529	34.39	ug/ml	98
55) 4-Chlorophenyl phenyl ...	6.914	204	60578	32.50	ug/ml	100
56) Flourene	6.924	166	142087	32.35	ug/ml	100
57) 4-Nitroaniline	6.932	138	37733	30.67	ug/ml	95
59) 4,6-Dinitro-2-Methylph...	6.950	198	24536	35.17	ug/ml	96
60) N-Nitrosodiphenylamine	6.988	169	115953	33.65	ug/ml	99
61) 1,2-Diphenylhydrazine	7.014	77	140346	33.89	ug/ml	98
62) 4-Bromophenyl phenyl e...	7.220	248	38393	35.87	ug/ml	97
63) Hexachlorobenzene	7.266	284	43413	36.57	ug/ml	97
64) Pentachlorophenol	7.389	266	24817	31.04	ug/ml	99
65) Pentachloronitrobenzene	7.394	295	7716	37.23	ug/ml	94
66) Phenanthrene	7.521	178	199991	32.08	ug/ml	100
67) Anthracene	7.554	178	202489	32.48	ug/ml	100
68) Carbazole	7.652	167	189336	32.69	ug/ml	99
69) Di-N-Butyl Phthalate	7.863	149	208832	36.91	ug/ml	99
70) Flouranthene	8.359	202	201674	32.73	ug/ml	99
73) Benzidine	8.459	184	36596	17.47	ug/ml	97
74) Pyrene	8.554	202	209213	33.63	ug/ml	99
75) Butylbenzyl phthalate	9.184	149	90657	39.91	ug/ml	90
76) 3,3'-Dichlorobenzidine	9.858	252	55975	31.43	ug/ml	98
77) Benzo(a)anthracene	9.891	228	189724	33.15	ug/ml	97
78) Chrysene	9.940	228	181482	32.07	ug/ml	98
79) Bis(2-ethylhexyl)phtha...	9.958	149	115139	44.24	ug/ml	99
81) Di-n-octylphthalate	11.054	149	189864	43.00	ug/ml	94
82) Benzo(b)fluoranthene	11.645	252	192282	34.81	ug/ml	97
83) Benzo(k)fluoranthene	11.692	252	185708	33.87	ug/ml	97
84) Benzo(a)pyrene	12.244	252	178956	34.96	ug/ml	97
85) Indeno(1,2,3-cd)pyrene	14.309	276	200027	43.90	ug/ml	97
86) Dibenz(a,h)anthracene	14.356	278	199629	41.69	ug/ml	96
87) Benzo(g,h,i)perylene	14.685	276	205701	40.68	ug/ml	94
89) 1,4-Dioxane	2.465	88	13875	13.87	ug/ml	89
90) Benzaldehyde	4.417	106	40971	20.90	ug/ml	99
91) Benzyl Alcohol	4.782	108	45706	32.58	ug/ml	99
93) 2,6-Dichlorophenol	5.546	162	58092	31.24	ug/ml	93
94) Caprolactam	5.751	113	22170	31.81	ug/ml	96
96) 2,3,4,6-Tetrachlorophenol	6.785	230	27668	34.42	ug/ml	98
97) Atrazine	7.315	200	36153	37.07	ug/ml	99

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

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329005.D
Acq On : 25 Nov 2025 2:58 pm
Operator : BGL
Sample : B417963-BS1@/DERS Inst : GCMSSV2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 25 15:13:56 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration



1 - FORM I
ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Pace New England			Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B417963-BSD1	File ID:	B25S329006.D
Sampled:		Prepared:	11/21/25 07:21	Analyzed:	11/25/25 15:22
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.08 g / 1 mL				
Batch:	B417963	Sequence:	S129060	Calibration:	2500833
Instrument:	GCMSSV2				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg wet)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol	1.06	0.048	0.67	
1912-24-9	Atrazine	1.21	0.046	0.67	V-06
100-52-7	Benzaldehyde	0.651	0.047	0.34	L-07, V-34
92-52-4	Biphenyl	1.10	0.038	0.067	
105-60-2	Caprolactam	0.880	0.059	0.34	
83-32-9	Acenaphthene	0.989	0.0037	0.033	
208-96-8	Acenaphthylene	1.07	0.0042	0.033	
98-86-2	Acetophenone	0.908	0.036	0.34	
62-53-3	Aniline	0.589	0.064	0.34	V-34
120-12-7	Anthracene	0.989	0.0038	0.033	
56-55-3	Benzo(a)anthracene	0.994	0.0052	0.033	
50-32-8	Benzo(a)pyrene	1.05	0.011	0.033	
205-99-2	Benzo(b)fluoranthene	1.05	0.0082	0.033	
191-24-2	Benzo(g,h,i)perylene	1.18	0.013	0.033	
207-08-9	Benzo(k)fluoranthene	1.02	0.0068	0.033	
111-91-1	Bis(2-chloroethoxy)methane	0.954	0.034	0.34	
111-44-4	Bis(2-chloroethyl)ether	0.917	0.045	0.34	
108-60-1	2,2'-oxybis(1-Chloropropane)	1.08	0.14	0.34	
117-81-7	Bis(2-Ethylhexyl)phthalate	1.40	0.046	0.34	V-06
101-55-3	4-Bromophenylphenylether	1.14	0.030	0.34	
85-68-7	Butylbenzylphthalate	1.17	0.038	0.34	
86-74-8	Carbazole	0.969	0.035	0.17	
106-47-8	4-Chloroaniline	0.653	0.054	0.66	J
59-50-7	4-Chloro-3-methylphenol	0.930	0.036	0.66	
91-58-7	2-Chloronaphthalene	0.972	0.030	0.34	
95-57-8	2-Chlorophenol	0.903	0.030	0.34	
7005-72-3	4-Chlorophenylphenylether	1.07	0.031	0.34	
218-01-9	Chrysene	0.974	0.0043	0.033	
53-70-3	Dibenz(a,h)anthracene	1.17	0.015	0.033	

1 - FORM I
ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Pace New England			Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B417963-BSD1	File ID:	B25S329006.D
Sampled:		Prepared:	11/21/25 07:21	Analyzed:	11/25/25 15:22
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.08 g / 1 mL				
Batch:	B417963	Sequence:	S129060	Calibration:	2500833
Instrument:	GCMSSV2				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg wet)	MDL	RL	Q
132-64-9	Dibenzofuran	1.04	0.033	0.34	
84-74-2	Di-n-butylphthalate	1.13	0.13	0.34	
91-94-1	3,3-Dichlorobenzidine	1.00	0.060	0.17	
120-83-2	2,4-Dichlorophenol	1.02	0.032	0.34	
84-66-2	Diethylphthalate	1.09	0.033	0.34	
105-67-9	2,4-Dimethylphenol	1.01	0.070	0.34	
131-11-3	Dimethylphthalate	1.06	0.030	0.34	
534-52-1	4,6-Dinitro-2-methylphenol	1.06	0.28	0.34	
51-28-5	2,4-Dinitrophenol	1.07	0.32	0.66	V-04, V-06
121-14-2	2,4-Dinitrotoluene	1.09	0.080	0.34	
606-20-2	2,6-Dinitrotoluene	1.10	0.042	0.34	
117-84-0	Di-n-octylphthalate	1.31	0.050	0.34	V-06
206-44-0	Fluoranthene	0.969	0.0047	0.033	
86-73-7	Fluorene	1.04	0.0040	0.033	
118-74-1	Hexachlorobenzene	1.13	0.034	0.34	
87-68-3	Hexachlorobutadiene	1.05	0.035	0.34	
77-47-4	Hexachlorocyclopentadiene	1.27	0.17	0.34	
67-72-1	Hexachloroethane	0.877	0.031	0.34	
193-39-5	Indeno(1,2,3-cd)pyrene	1.23	0.014	0.033	
78-59-1	Isophorone	1.01	0.036	0.34	
90-12-0	1-Methylnaphthalene	0.905	0.0042	0.033	
91-57-6	2-Methylnaphthalene	0.846	0.0038	0.033	
95-48-7	2-Methylphenol	0.912	0.043	0.34	
108-39-4/106-44-5	3/4-Methylphenol	0.972	0.055	0.34	
91-20-3	Naphthalene	0.932	0.0048	0.033	
88-74-4	2-Nitroaniline	1.04	0.052	0.34	
99-09-2	3-Nitroaniline	0.885	0.044	0.34	
100-01-6	4-Nitroaniline	0.928	0.048	0.34	
98-95-3	Nitrobenzene	0.941	0.038	0.34	

1 - FORM I
ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Pace New England			Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B417963-BSD1	File ID:	B25S329006.D
Sampled:		Prepared:	11/21/25 07:21	Analyzed:	11/25/25 15:22
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.08 g / 1 mL				
Batch:	B417963	Sequence:	S129060	Calibration:	2500833
Instrument:	GCMSSV2				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg wet)	MDL	RL	Q
88-75-5	2-Nitrophenol	1.02	0.035	0.34	
100-02-7	4-Nitrophenol	1.02	0.13	0.66	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine	1.02	0.044	0.34	
621-64-7	N-Nitrosodi-n-propylamine	0.933	0.042	0.34	
87-86-5	Pentachlorophenol	0.942	0.043	0.34	
85-01-8	Phenanthrene	0.974	0.0034	0.033	
108-95-2	Phenol	0.923	0.032	0.34	
129-00-0	Pyrene	1.00	0.0057	0.033	
110-86-1	Pyridine	0.600	0.043	0.34	
95-94-3	1,2,4,5-Tetrachlorobenzene	1.08	0.033	0.34	
95-95-4	2,4,5-Trichlorophenol	1.09	0.034	0.34	
88-06-2	2,4,6-Trichlorophenol	1.05	0.030	0.34	

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329006.D
Acq On : 25 Nov 2025 3:22 pm
Operator : BGL
Sample : B417963-BSD1 Inst : GCMSSV2
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 25 15:38:39 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.694	152	67314	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	5.494	136	263223	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	6.584	164	133036	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	7.508	188	228058	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.904	240	193353	40.00	ug/ml	-0.01
80) PERYLENE-D12	12.357	264	209185	40.00	ug/ml	0.00
88) 1,4-Dichlorobenzene-D4...	4.694	152	67314	40.00	ug/ml	0.00
92) NAPHTHALENE-d8 (2)	5.494	136	263223	40.00	ug/ml	0.00
95) ACENAPHTHENE-D10 (2)	6.584	164	133036	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	3.846	112	212989	113.25	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 56.63%			
3) Phenol-d6	4.470	99	340119	109.68	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 54.84%			
20) Nitrobenzene-d5	5.044	82	141641	54.07	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 54.07%			
36) 2-Fluorobiphenyl	6.157	172	281881	64.18	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 64.18%			
37) 2,4,6-Tribromophenol	7.075	330	86937	147.14	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 73.57%			
72) p-Terphenyl-d14	8.680	244	283914	70.91	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 70.91%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.766	42	29443	24.56	ug/ml	85
5) Pyridine	2.794	79	51629	18.04	ug/ml	98
6) Aniline	4.483	93	72727	17.71	ug/ml#	1
7) Phenol	4.478	94	94230	27.75	ug/ml#	53
8) Bis(2-chloroethyl)ether	4.524	63	47621	27.57	ug/ml	90
9) 2-Chlorophenol	4.563	128	71993	27.17	ug/ml	96
10) 1,3-Dichlorobenzene	4.658	146	71315	25.81	ug/ml	99
11) 1,4-Dichlorobenzene	4.705	146	73806	26.08	ug/ml	99
12) 1,2-Dichlorobenzene	4.802	146	71422	26.78	ug/ml	99
13) 2- METHYLPHENOL	4.856	108	66250	27.43	ug/ml	94
14) 2,2'-oxybis(1-chloropr...	4.864	45	90974	32.49	ug/ml	97
15) Acetophenone	4.946	105	94829	27.32	ug/ml#	83
16) 3/4- METHYLPHENOL	4.951	107	78528	29.23	ug/ml#	77
17) N-Nitroso-Di-N-Propyla...	4.946	70	50578	28.07	ug/ml	95
18) Hexachloroethane	5.013	117	28593	26.38	ug/ml	93
21) NITROBENZENE	5.057	77	74703	28.31	ug/ml	96
22) Isophorone	5.203	82	134991	30.50	ug/ml	99
23) 2-Nitrophenol	5.255	139	39762	30.56	ug/ml	99
24) 2,4-Dimethylphenol	5.278	122	63659	30.28	ug/ml	97
25) Bis(2-Chloroethoxy)met...	5.335	93	83350	28.71	ug/ml	99
26) Benzoic Acid	5.332	122	39843	30.66	ug/ml	93
27) 2,4-Dichlorophenol	5.407	162	61343	30.63	ug/ml	98
28) 1,2,4-Trichlorobenzene	5.455	180	61474	28.68	ug/ml	99
29) Naphthalene	5.507	128	202998	28.04	ug/ml	100
30) 4-Chloroaniline	5.538	127	61322	19.64	ug/ml	98
31) Hexachlorobutadiene	5.579	225	33902	31.44	ug/ml	99
32) 4-Chloro-3-Methylphenol	5.839	107	58396	27.96	ug/ml	98
33) 2-MethylNaphthalene	5.936	142	125161	25.46	ug/ml	99
34) 1-Methylnaphthalene	5.998	142	125912	27.22	ug/ml	100
38) Hexachlorocyclopentadiene	6.031	237	40527	38.30	ug/ml	98
39) 1,2,4,5-Tetrachloroben...	6.039	216	60195	32.49	ug/ml	100
40) 2,4,6-Trichlorophenol	6.111	196	39686	31.66	ug/ml	96

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329006.D
Acq On : 25 Nov 2025 3:22 pm
Operator : BGL
Sample : B417963-BSD1 Inst : GCMSSV2
Misc :
ALS Vial : 6 Sample Multiplier: 1

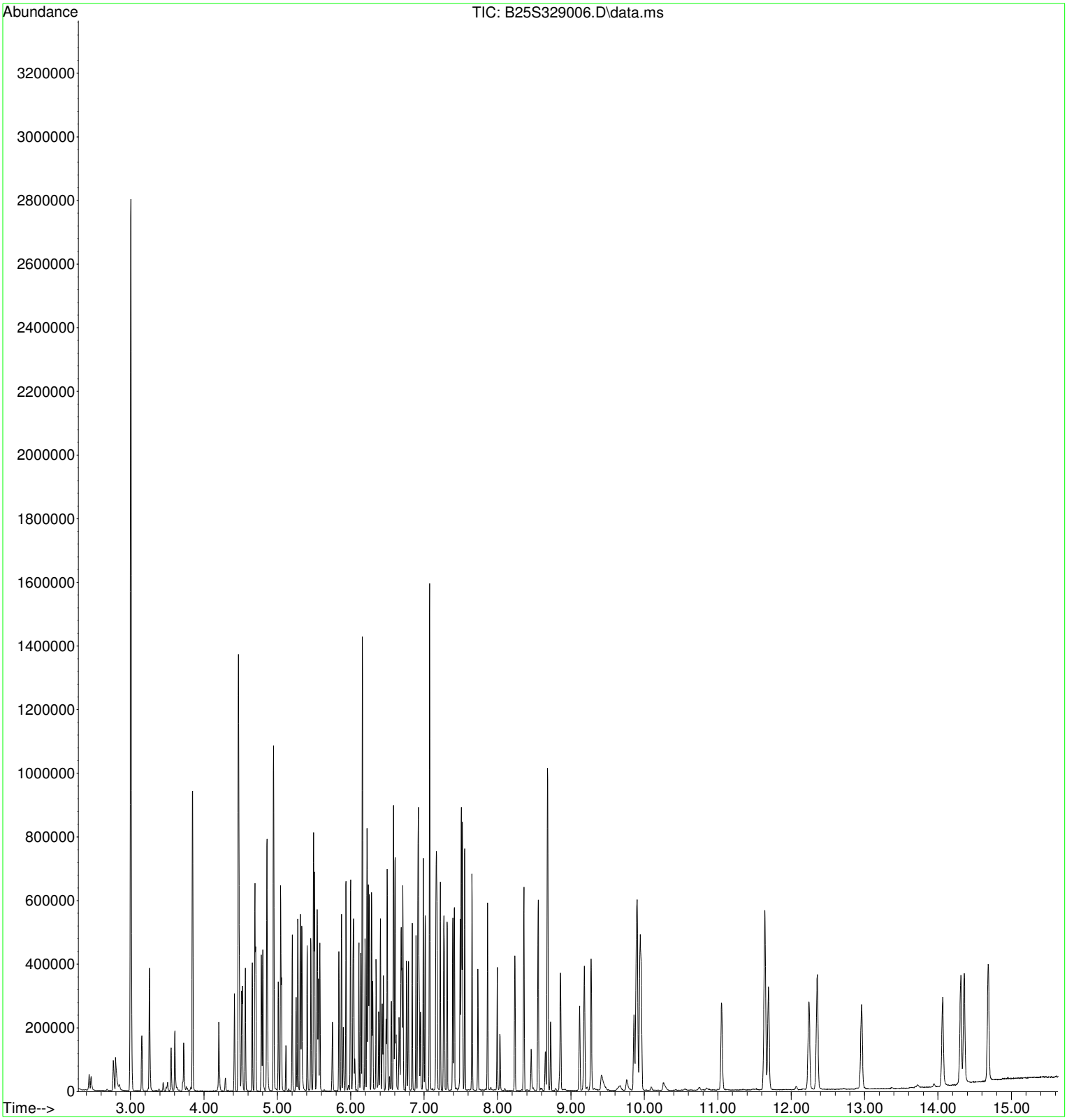
Quant Time: Nov 25 15:38:39 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 2,4,5-Trichlorophenol	6.137	196	43166	32.82 ug/ml	92
42) 2-ChloroNaphthalene	6.240	162	138372	29.24 ug/ml	98
43) 2-Nitroaniline	6.299	65	38033	31.37 ug/ml	97
44) 1,1-Biphenyl	6.222	154	164342	33.05 ug/ml	100
45) DIMETHYL PHTHALATE	6.404	163	133569	32.01 ug/ml	100
46) 2,6-DinitroToluene	6.445	165	31749	32.97 ug/ml	100
47) Acenaphthylene	6.497	152	204236	32.07 ug/ml	100
48) 3-Nitroaniline	6.553	138	31672	26.62 ug/ml	98
49) Acenaphthene	6.605	154	127066	29.76 ug/ml	98
50) 2,4-Dinitrophenol	6.618	184	16781	32.28 ug/ml#	99
51) 4-Nitrophenol	6.659	109	15837	30.77 ug/ml	96
52) Dibenzofuran	6.710	168	176766	31.35 ug/ml	99
53) 2,4-Dinitrotoluene	6.697	165	42483	32.68 ug/ml	91
54) DIETHYL PHTHALATE	6.839	149	129802	32.78 ug/ml	98
55) 4-Chlorophenyl phenyl ...	6.916	204	64127	32.23 ug/ml	99
56) Flourene	6.924	166	147256	31.41 ug/ml	99
57) 4-Nitroaniline	6.931	138	36646	27.90 ug/ml	88
59) 4,6-Dinitro-2-Methylph...	6.952	198	24554	31.88 ug/ml	96
60) N-Nitrosodiphenylamine	6.988	169	120510	30.60 ug/ml	99
61) 1,2-Diphenylhydrazine	7.014	77	145730	30.79 ug/ml	97
62) 4-Bromophenyl phenyl e...	7.219	248	42067	34.39 ug/ml	95
63) Hexachlorobenzene	7.268	284	45995	33.90 ug/ml	96
64) Pentachlorophenol	7.389	266	25887	28.33 ug/ml	99
65) Pentachloronitrobenzene	7.394	295	8004	33.80 ug/ml	93
66) Phenanthrene	7.520	178	208766	29.30 ug/ml	100
67) Anthracene	7.554	178	211922	29.74 ug/ml	100
68) Carbazole	7.652	167	192957	29.15 ug/ml	99
69) Di-N-Butyl Phthalate	7.865	149	219932	34.01 ug/ml	99
70) Flouranthene	8.359	202	205203	29.14 ug/ml	99
73) Benzidine	8.459	184	46250	19.37 ug/ml	97
74) Pyrene	8.554	202	213510	30.11 ug/ml	99
75) Butylbenzyl phthalate	9.184	149	91291	35.26 ug/ml	91
76) 3,3'-Dichlorobenzidine	9.860	252	61255	30.17 ug/ml	99
77) Benzo(a)anthracene	9.891	228	194986	29.89 ug/ml	97
78) Chrysene	9.940	228	188981	29.30 ug/ml	98
79) Bis(2-ethylhexyl)phtha...	9.958	149	124943	42.12 ug/ml	100
81) Di-n-octylphthalate	11.054	149	202799	39.54 ug/ml	97
82) Benzo(b)fluoranthene	11.643	252	202479	31.56 ug/ml	97
83) Benzo(k)fluoranthene	11.691	252	195800	30.74 ug/ml	98
84) Benzo(a)pyrene	12.244	252	187899	31.59 ug/ml	97
85) Indeno(1,2,3-cd)pyrene	14.312	276	195390	36.91 ug/ml	97
86) Dibenz(a,h)anthracene	14.361	278	196044	35.24 ug/ml	98
87) Benzo(g,h,i)perylene	14.685	276	208535	35.50 ug/ml	95
89) 1,4-Dioxane	2.462	88	14550	12.73 ug/ml	91
90) Benzaldehyde	4.416	106	43829	19.57 ug/ml	97
91) Benzyl Alcohol	4.782	108	48783	30.44 ug/ml	97
93) 2,6-Dichlorophenol	5.545	162	61344	28.50 ug/ml	93
94) Caprolactam	5.751	113	21353	26.47 ug/ml	94
96) 2,3,4,6-Tetrachlorophenol	6.787	230	27410	31.94 ug/ml	96
97) Atrazine	7.315	200	37930	36.43 ug/ml	99

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

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329006.D
Acq On : 25 Nov 2025 3:22 pm
Operator : BGL
Sample : B417963-BSD1 Inst : GCMSSV2
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 25 15:38:39 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration



1 - FORM I
ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Pace New England			Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B417963-MS1	File ID:	B25S329016.D
Sampled:		Prepared:	11/21/25 07:21	Analyzed:	11/25/25 19:30
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.05 g / 1 mL				
Batch:	B417963	Sequence:	S129060	Calibration:	2500833
Instrument:	GCMSSV2				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol	0.708	0.058	0.82	MS-22, J
1912-24-9	Atrazine	0.927	0.057	0.82	V-06
100-52-7	Benzaldehyde	0.569	0.057	0.41	MS-09, V-34
92-52-4	Biphenyl	0.840	0.046	0.082	
105-60-2	Caprolactam	0.680	0.071	0.41	MS-22
83-32-9	Acenaphthene	0.769	0.0045	0.040	MS-22
208-96-8	Acenaphthylene	0.822	0.0051	0.040	MS-22
98-86-2	Acetophenone	0.724	0.043	0.41	MS-22
62-53-3	Aniline	0.377	0.078	0.41	MS-09, V-34, J
120-12-7	Anthracene	0.868	0.0046	0.040	MS-22
56-55-3	Benzo(a)anthracene	1.37	0.0063	0.040	
50-32-8	Benzo(a)pyrene	1.54	0.014	0.040	
205-99-2	Benzo(b)fluoranthene	1.98	0.010	0.040	
191-24-2	Benzo(g,h,i)perylene	1.29	0.016	0.040	MS-22
207-08-9	Benzo(k)fluoranthene	1.34	0.0083	0.040	
111-91-1	Bis(2-chloroethoxy)methane	0.739	0.042	0.41	MS-22
111-44-4	Bis(2-chloroethyl)ether	0.722	0.055	0.41	MS-22
108-60-1	2,2'-oxybis(1-Chloropropane)	0.820	0.17	0.41	
117-81-7	Bis(2-Ethylhexyl)phthalate	1.08	0.056	0.41	V-06
101-55-3	4-Bromophenylphenylether	0.805	0.036	0.41	MS-22
85-68-7	Butylbenzylphthalate	0.947	0.047	0.41	
86-74-8	Carbazole	0.860	0.043	0.21	MS-22
106-47-8	4-Chloroaniline	0.507	0.066	0.80	MS-09, J
59-50-7	4-Chloro-3-methylphenol	0.723	0.043	0.80	J
91-58-7	2-Chloronaphthalene	0.713	0.036	0.41	MS-22
95-57-8	2-Chlorophenol	0.683	0.036	0.41	
7005-72-3	4-Chlorophenylphenylether	0.794	0.038	0.41	MS-22
218-01-9	Chrysene	1.45	0.0052	0.040	
53-70-3	Dibenz(a,h)anthracene	0.816	0.018	0.040	MS-22

1 - FORM I
ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Pace New England			Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B417963-MS1	File ID:	B25S329016.D
Sampled:		Prepared:	11/21/25 07:21	Analyzed:	11/25/25 19:30
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.05 g / 1 mL				
Batch:	B417963	Sequence:	S129060	Calibration:	2500833
Instrument:	GCMSSV2				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
132-64-9	Dibenzofuran	0.803	0.040	0.41	MS-22
84-74-2	Di-n-butylphthalate	0.881	0.16	0.41	
91-94-1	3,3-Dichlorobenzidine	0.537	0.074	0.21	MS-09, R-06
120-83-2	2,4-Dichlorophenol	0.740	0.039	0.41	
84-66-2	Diethylphthalate	0.822	0.040	0.41	
105-67-9	2,4-Dimethylphenol	0.737	0.085	0.41	
131-11-3	Dimethylphthalate	0.827	0.037	0.41	
534-52-1	4,6-Dinitro-2-methylphenol	0.836	0.34	0.41	
51-28-5	2,4-Dinitrophenol	0.651	0.39	0.80	V-04, V-06, J
121-14-2	2,4-Dinitrotoluene	0.825	0.098	0.41	
606-20-2	2,6-Dinitrotoluene	0.816	0.052	0.41	
117-84-0	Di-n-octylphthalate	1.35	0.061	0.41	V-06
206-44-0	Fluoranthene	2.44	0.0057	0.040	
86-73-7	Fluorene	0.814	0.0049	0.040	MS-22
118-74-1	Hexachlorobenzene	0.845	0.042	0.41	
87-68-3	Hexachlorobutadiene	0.804	0.042	0.41	MS-22
77-47-4	Hexachlorocyclopentadiene	0.223	0.21	0.41	MS-09, R-06, J
67-72-1	Hexachloroethane	0.650	0.037	0.41	MS-09
193-39-5	Indeno(1,2,3-cd)pyrene	1.36	0.017	0.040	MS-22
78-59-1	Isophorone	0.827	0.044	0.41	
90-12-0	1-Methylnaphthalene	0.743	0.0051	0.040	MS-22
91-57-6	2-Methylnaphthalene	0.692	0.0046	0.040	MS-09
95-48-7	2-Methylphenol	0.716	0.052	0.41	
108-39-4/106-44-5	3/4-Methylphenol	0.719	0.068	0.41	
91-20-3	Naphthalene	0.754	0.0058	0.040	MS-22
88-74-4	2-Nitroaniline	0.806	0.063	0.41	MS-22
99-09-2	3-Nitroaniline	1.01	0.054	0.41	R-06
100-01-6	4-Nitroaniline	0.659	0.058	0.41	MS-09
98-95-3	Nitrobenzene	0.756	0.046	0.41	MS-22

1 - FORM I
ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Pace New England			Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B417963-MS1	File ID:	B25S329016.D
Sampled:		Prepared:	11/21/25 07:21	Analyzed:	11/25/25 19:30
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.05 g / 1 mL				
Batch:	B417963	Sequence:	S129060	Calibration:	2500833
Instrument:	GCMSSV2				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
88-75-5	2-Nitrophenol	0.797	0.042	0.41	
100-02-7	4-Nitrophenol	0.856	0.16	0.80	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine	0.783	0.054	0.41	MS-22
621-64-7	N-Nitrosodi-n-propylamine	0.750	0.051	0.41	MS-22
87-86-5	Pentachlorophenol	0.344	0.053	0.41	MS-09, R-06, J
85-01-8	Phenanthrene	1.29	0.0041	0.040	
108-95-2	Phenol	0.711	0.039	0.41	
129-00-0	Pyrene	1.79	0.0069	0.040	
110-86-1	Pyridine	0.472	0.052	0.41	MS-09
95-94-3	1,2,4,5-Tetrachlorobenzene	0.820	0.040	0.41	
95-95-4	2,4,5-Trichlorophenol	0.819	0.042	0.41	
88-06-2	2,4,6-Trichlorophenol	0.778	0.036	0.41	

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329016.D
Acq On : 25 Nov 2025 7:30 pm
Operator : BGL
Sample : B417963-MS1@/K1216-01 Inst : GCMSSV2
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 25 19:45:54 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.694	152	53616	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	5.494	136	203330	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	6.582	164	106343	40.00	ug/ml	-0.01
58) PHENANTHRENE-D10	7.505	188	179445	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.904	240	190508	40.00	ug/ml	-0.01
80) PERYLENE-D12	12.358	264	157802	40.00	ug/ml	0.00
88) 1,4-Dichlorobenzene-D4...	4.694	152	53616	40.00	ug/ml	0.00
92) NAPHTHALENE-d8 (2)	5.494	136	203330	40.00	ug/ml	0.00
95) ACENAPHTHENE-D10 (2)	6.582	164	106320	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	3.848	112	108109	72.17	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 36.09%			
3) Phenol-d6	4.471	99	173755	70.35	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 35.17%			
20) Nitrobenzene-d5	5.044	82	73935	36.54	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 36.54%			
36) 2-Fluorobiphenyl	6.158	172	143023	40.74	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 40.74%			
37) 2,4,6-Tribromophenol	7.073	330	40472	85.69	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 42.84%			
72) p-Terphenyl-d14	8.680	244	160390	40.65	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 40.65%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.768	42	16054	16.82	ug/ml	85
5) Pyridine	2.804	79	26535	11.64	ug/ml	95
6) Aniline	4.486	93	30419	9.30	ug/ml#	1
7) Phenol	4.478	94	47384	17.52	ug/ml#	62
8) Bis(2-chloroethyl)ether	4.525	63	24491	17.80	ug/ml	94
9) 2-Chlorophenol	4.566	128	35526	16.83	ug/ml	97
10) 1,3-Dichlorobenzene	4.658	146	37169	16.89	ug/ml	98
11) 1,4-Dichlorobenzene	4.705	146	37925	16.83	ug/ml	99
12) 1,2-Dichlorobenzene	4.802	146	37470	17.64	ug/ml	98
13) 2- METHYLPHENOL	4.856	108	33930	17.64	ug/ml	97
14) 2,2'-oxybis(1-chloropr...	4.864	45	45063	20.20	ug/ml	98
15) Acetophenone	4.946	105	49306	17.84	ug/ml#	85
16) 3/4- METHYLPHENOL	4.951	107	37928	17.73	ug/ml#	70
17) N-Nitroso-Di-N-Propyla...	4.946	70	26510	18.47	ug/ml	96
18) Hexachloroethane	5.013	117	13824	16.01	ug/ml	96
21) NITROBENZENE	5.057	77	37989	18.63	ug/ml	98
22) Isophorone	5.203	82	69642	20.37	ug/ml	99
23) 2-Nitrophenol	5.255	139	19752	19.65	ug/ml	99
24) 2,4-Dimethylphenol	5.281	122	29483	18.16	ug/ml	97
25) Bis(2-Chloroethoxy)met...	5.332	93	40812	18.20	ug/ml	96
26) Benzoic Acid	5.322	122	13320	13.27	ug/ml	92
27) 2,4-Dichlorophenol	5.409	162	28213	18.24	ug/ml	100
28) 1,2,4-Trichlorobenzene	5.455	180	31056	18.76	ug/ml	99
29) Naphthalene	5.507	128	103823	18.57	ug/ml	100
30) 4-Chloroaniline	5.538	127	30153	12.50	ug/ml	95
31) Hexachlorobutadiene	5.579	225	16499	19.81	ug/ml	99
32) 4-Chloro-3-Methylphenol	5.839	107	28734	17.81	ug/ml	99
33) 2-MethylNaphthalene	5.934	142	64774	17.06	ug/ml	98
34) 1-Methylnaphthalene	5.996	142	65454	18.32	ug/ml	98
38) Hexachlorocyclopentadiene	6.029	237	4654	5.50	ug/ml	97
39) 1,2,4,5-Tetrachloroben...	6.039	216	29921	20.20	ug/ml	99
40) 2,4,6-Trichlorophenol	6.111	196	19224	19.18	ug/ml	97

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329016.D
Acq On : 25 Nov 2025 7:30 pm
Operator : BGL
Sample : B417963-MS1@/K1216-01 Inst : GCMSSV2
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 25 19:45:54 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

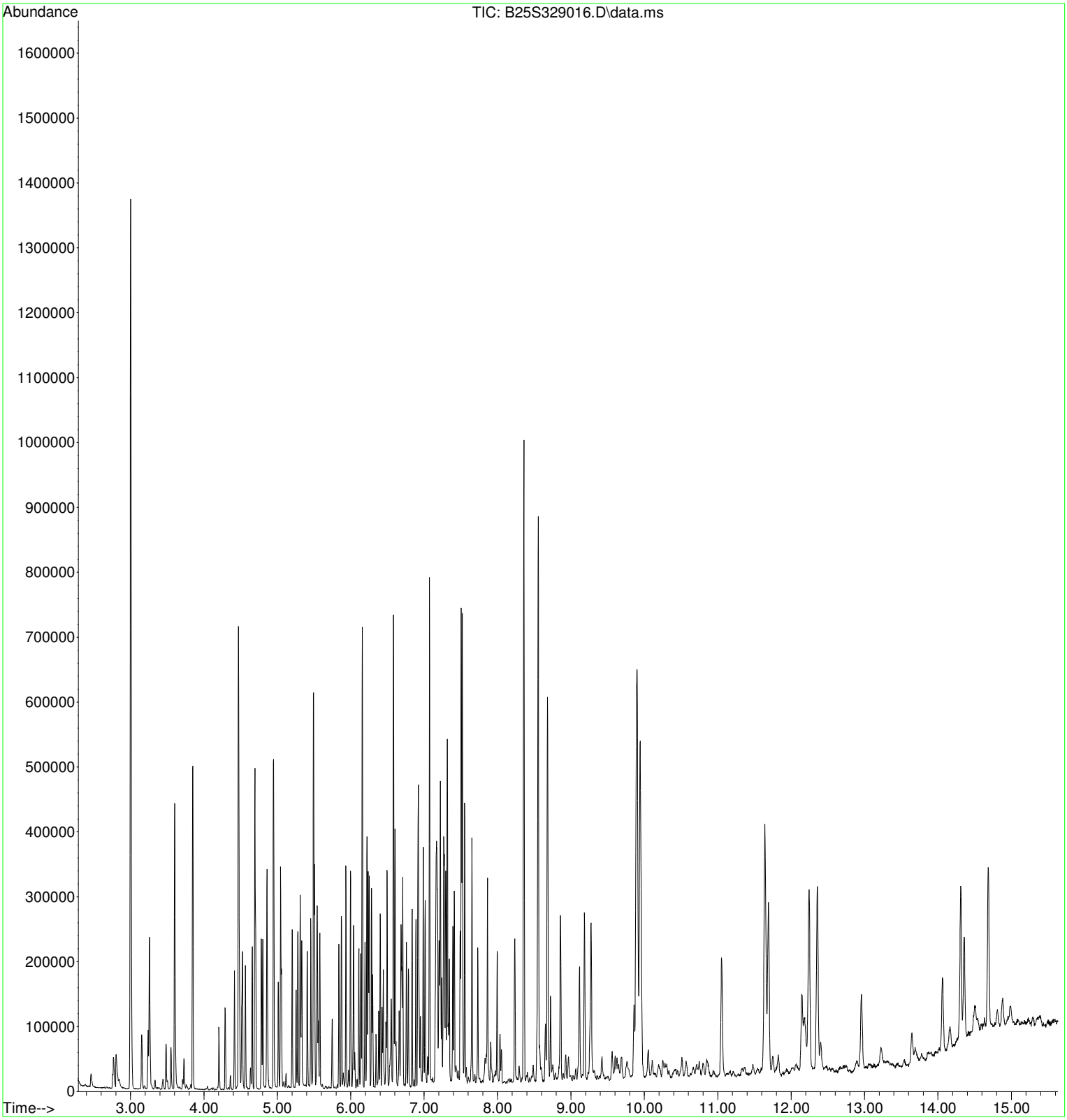
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 2,4,5-Trichlorophenol	6.137	196	21215	20.18 ug/ml	91
42) 2-ChloroNaphthalene	6.237	162	66424	17.56 ug/ml	97
43) 2-Nitroaniline	6.299	65	19257	19.87 ug/ml	97
44) 1,1-Biphenyl	6.222	154	82237	20.69 ug/ml	99
45) DIMETHYL PHTHALATE	6.402	163	67983	20.38 ug/ml	99
46) 2,6-DinitroToluene	6.443	165	15492	20.12 ug/ml	98
47) Acenaphthylene	6.497	152	103051	20.25 ug/ml	99
48) 3-Nitroaniline	6.551	138	23750	24.97 ug/ml#	68
49) Acenaphthene	6.602	154	64628	18.94 ug/ml	97
50) 2,4-Dinitrophenol	6.618	184	6670	16.05 ug/ml	92
51) 4-Nitrophenol	6.662	109	8682	21.10 ug/ml	97
52) Dibenzofuran	6.708	168	89247	19.80 ug/ml	97
53) 2,4-Dinitrotoluene	6.695	165	21111	20.32 ug/ml	93
54) DIETHYL PHTHALATE	6.836	149	64081	20.25 ug/ml	98
55) 4-Chlorophenyl phenyl ...	6.916	204	31121	19.57 ug/ml	99
56) Flourene	6.921	166	75141	20.05 ug/ml	99
57) 4-Nitroaniline	6.932	138	17051	16.24 ug/ml	94
59) 4,6-Dinitro-2-Methylph...	6.950	198	9920	20.61 ug/ml	95
60) N-Nitrosodiphenylamine	6.988	169	59774	19.29 ug/ml	100
61) 1,2-Diphenylhydrazine	7.014	77	69682	18.71 ug/ml	96
62) 4-Bromophenyl phenyl e...	7.220	248	19093	19.84 ug/ml	98
63) Hexachlorobenzene	7.266	284	22236	20.83 ug/ml	96
64) Pentachlorophenol	7.389	266	6094	8.48 ug/ml	99
65) Pentachloronitrobenzene	7.394	295	4109	22.05 ug/ml#	85
66) Phenanthrene	7.520	178	178696	31.88 ug/ml	99
67) Anthracene	7.551	178	119870	21.38 ug/ml	100
68) Carbazole	7.652	167	110427	21.20 ug/ml	98
69) Di-N-Butyl Phthalate	7.862	149	110527	21.72 ug/ml	99
70) Flouranthene	8.359	202	333166	60.13 ug/ml	99
73) Benzidine	8.572	184	60	N.D.	
74) Pyrene	8.554	202	308735	44.19 ug/ml	98
75) Butylbenzyl phthalate	9.184	149	59537	23.34 ug/ml	91
76) 3,3'-Dichlorobenzidine	9.861	252	26470	13.23 ug/ml	97
77) Benzo(a)anthracene	9.891	228	216429	33.67 ug/ml	97
78) Chrysene	9.940	228	227241	35.76 ug/ml	99
79) Bis(2-ethylhexyl)phtha...	9.958	149	77675	26.58 ug/ml	99
81) Di-n-octylphthalate	11.051	149	128433	33.19 ug/ml	96
82) Benzo(b)fluoranthene	11.645	252	235983	48.75 ug/ml	99
83) Benzo(k)fluoranthene	11.692	252	158935	33.08 ug/ml	98
84) Benzo(a)pyrene	12.244	252	170261	37.95 ug/ml	96
85) Indeno(1,2,3-cd)pyrene	14.312	276	133525	33.44 ug/ml	97
86) Dibenz(a,h)anthracene	14.358	278	84413	20.11 ug/ml	93
87) Benzo(g,h,i)perylene	14.687	276	141079	31.84 ug/ml	95
89) 1,4-Dioxane	2.465	88	7903	8.68 ug/ml	87
90) Benzaldehyde	4.417	106	25034	14.03 ug/ml	94
91) Benzyl Alcohol	4.782	108	25331	19.85 ug/ml	96
93) 2,6-Dichlorophenol	5.409	162	28213	16.97 ug/ml	99
94) Caprolactam	5.749	113	10434	16.75 ug/ml	96
96) 2,3,4,6-Tetrachlorophenol	6.785	230	11969	17.45 ug/ml	95
97) Atrazine	7.312	200	19009	22.85 ug/ml	96

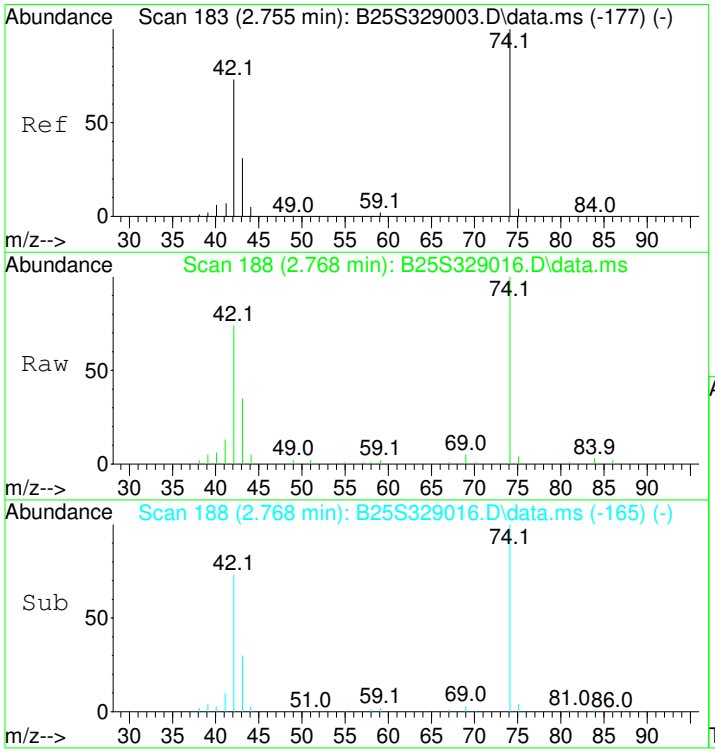
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329016.D
Acq On : 25 Nov 2025 7:30 pm
Operator : BGL
Sample : B417963-MS1@/K1216-01 Inst : GCMSSV2
Misc :
ALS Vial : 16 Sample Multiplier: 1

400

Quant Time: Nov 25 19:45:54 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

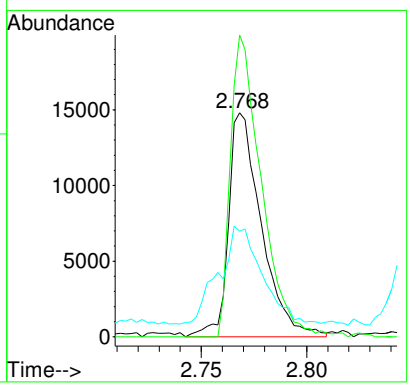


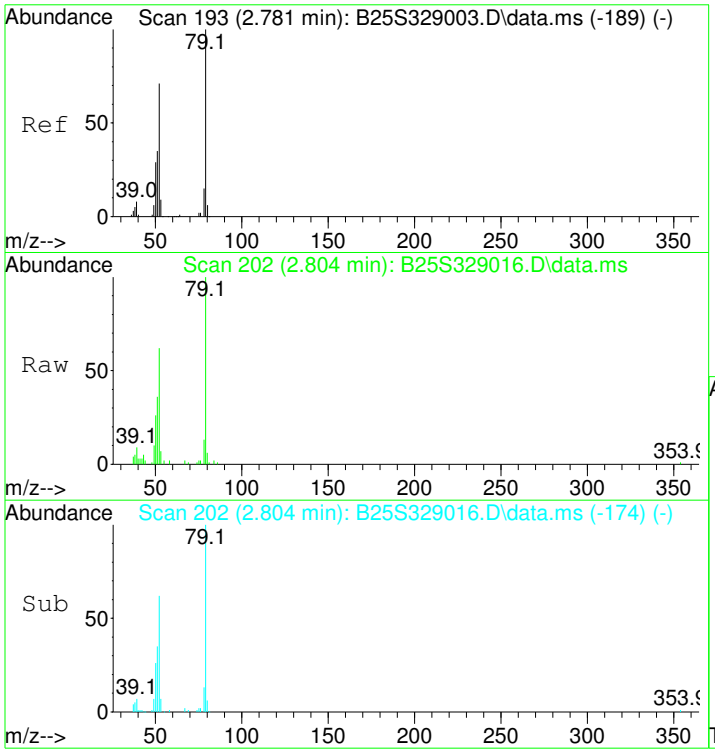


#4
N-Nitrosodimethylamine
Concen: 16.82 ug/ml
RT: 2.768 min Scan# 188
Delta R.T. 0.003 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion: 42 Resp: 16054

Ion	Ratio	Lower	Upper
42	100		
74	126.6	94.8	134.8
43	57.8	21.5	61.5

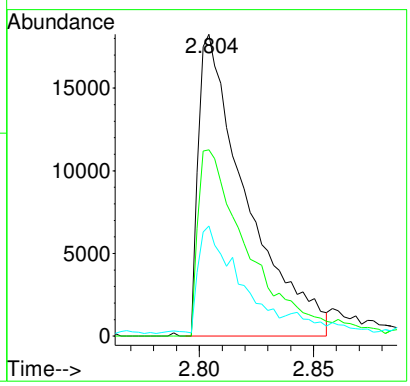


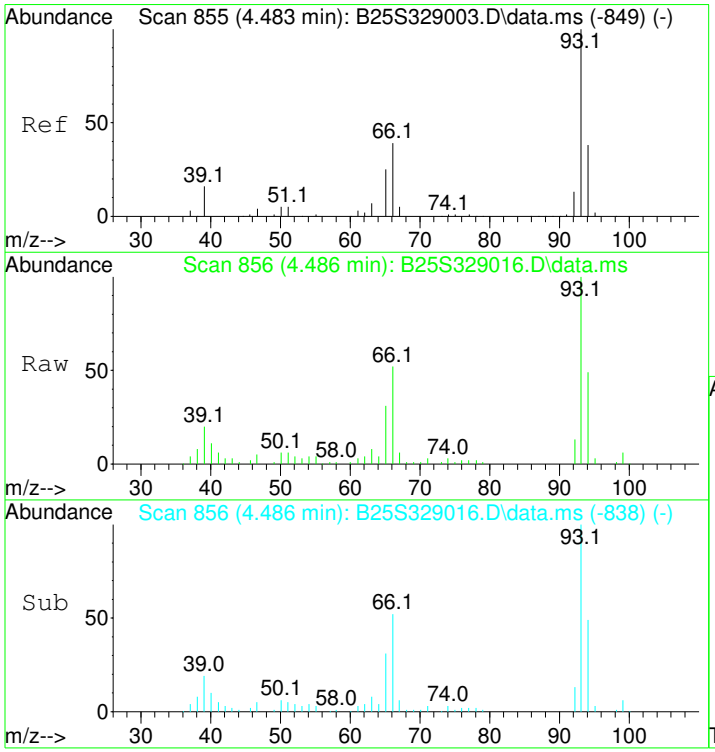


#5
Pyridine
Concen: 11.64 ug/ml
RT: 2.804 min Scan# 202
Delta R.T. 0.013 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion: 79 Resp: 26535

Ion	Ratio	Lower	Upper
79	100		
52	64.3	46.2	86.2
51	29.9	16.5	56.5

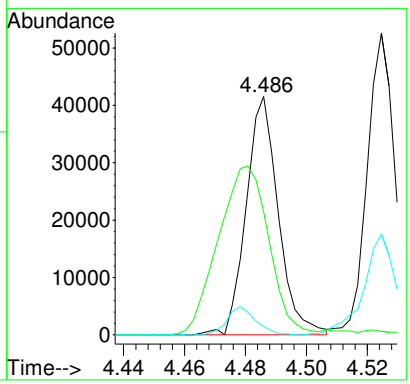


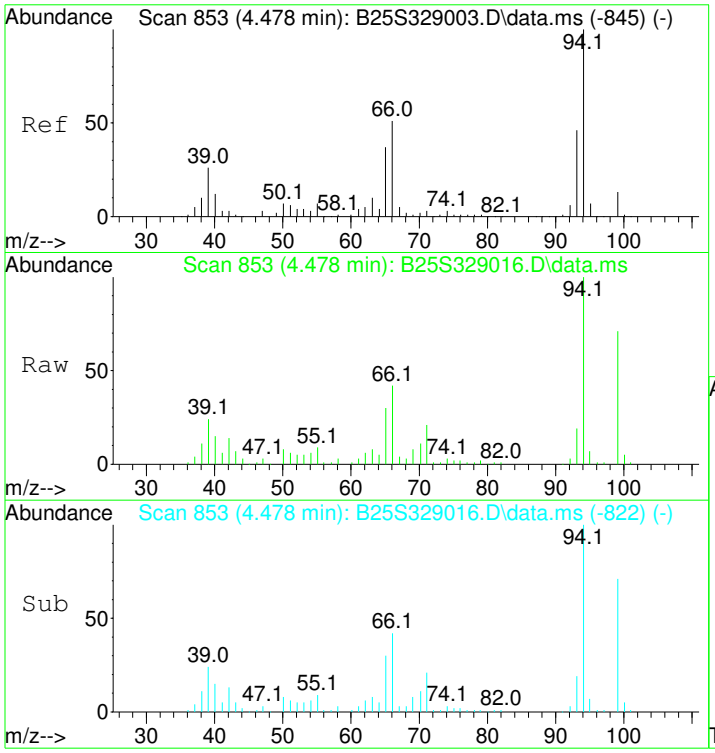


#6
Aniline
Concen: 9.30 ug/ml
RT: 4.486 min Scan# 856
Delta R.T. -0.005 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion: 93 Resp: 30419

Ion	Ratio	Lower	Upper
93	100		
66	111.2	14.3	54.3#
95	10.5	0.0	20.0

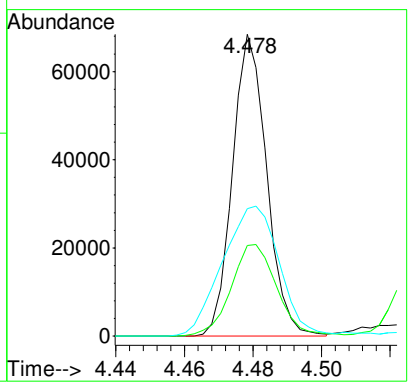


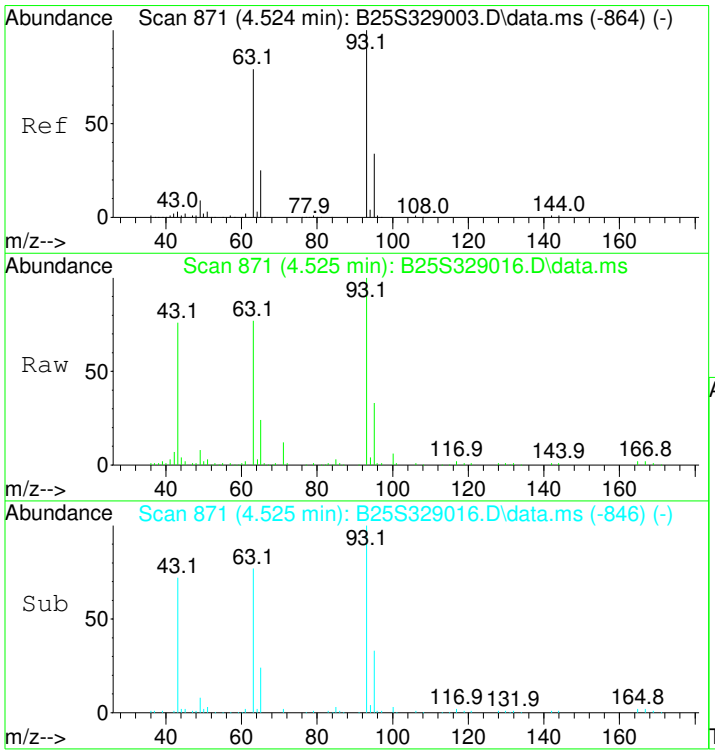


#7
Phenol
Concen: 17.52 ug/ml
RT: 4.478 min Scan# 853
Delta R.T. 0.003 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion: 94 Resp: 47384

Ion	Ratio	Lower	Upper
94	100		
65	40.6	8.0	48.0
66	71.4	21.2	61.2#

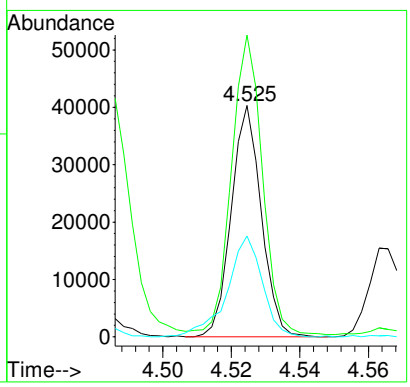


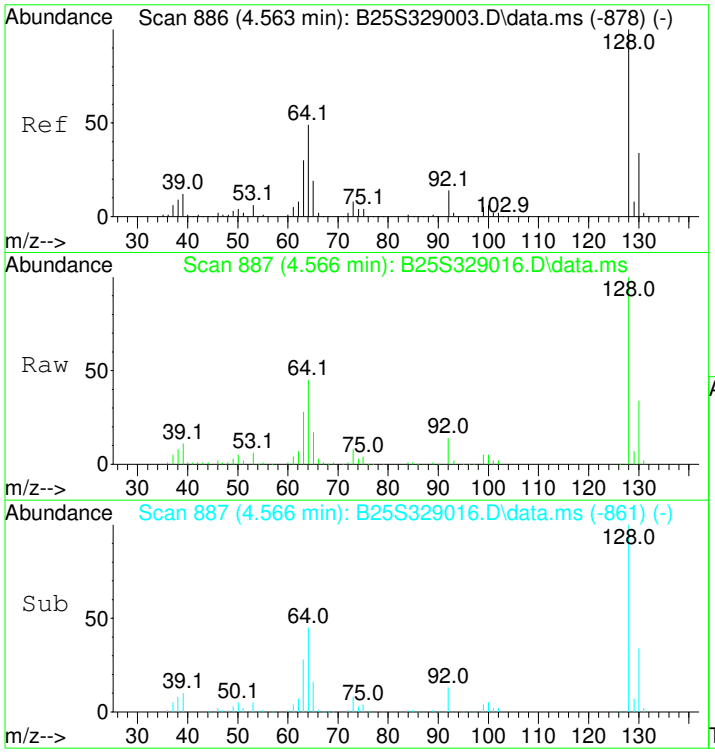


#8
Bis(2-chloroethyl)ether
Concen: 17.80 ug/ml
RT: 4.525 min Scan# 871
Delta R.T. -0.010 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion: 63 Resp: 24491

Ion	Ratio	Lower	Upper
63	100		
93	136.2	122.1	162.1
95	51.1	25.3	65.3

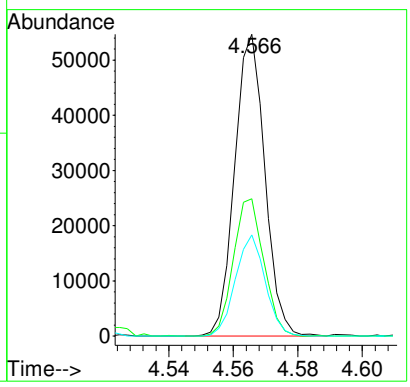


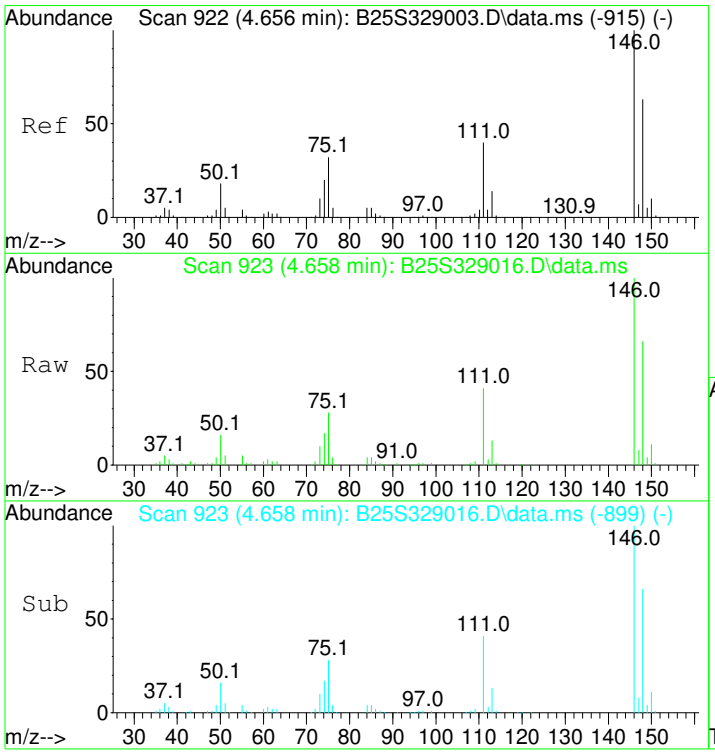


#9
2-Chlorophenol
Concen: 16.83 ug/ml
RT: 4.566 min Scan# 887
Delta R.T. -0.002 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:128 Resp: 35526

Ion	Ratio	Lower	Upper
128	100		
64	45.7	23.0	63.0
130	33.0	13.2	53.2

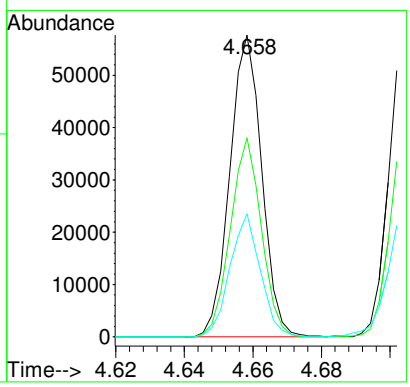


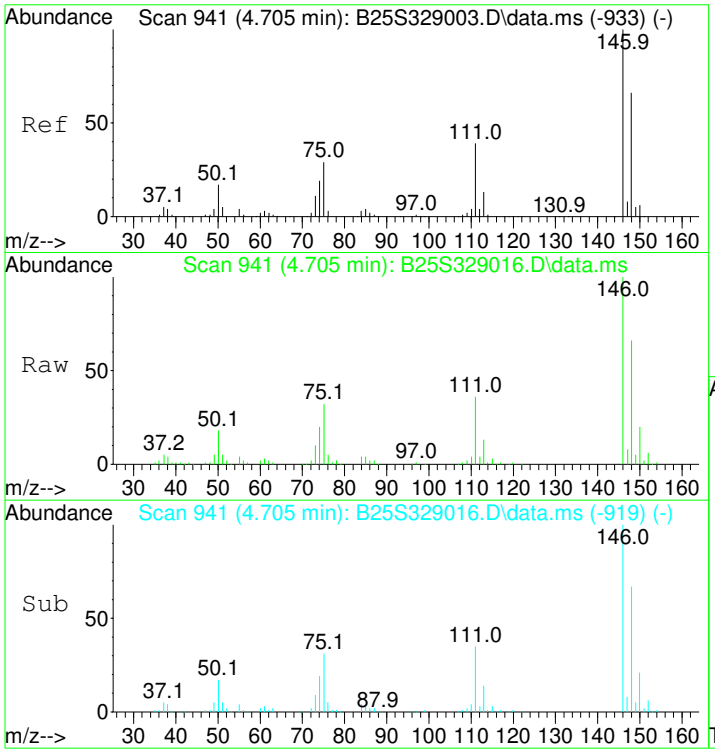


#10
1,3-Dichlorobenzene
Concen: 16.89 ug/ml
RT: 4.658 min Scan# 923
Delta R.T. -0.010 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:146 Resp: 37169

Ion	Ratio	Lower	Upper
146	100		
148	64.1	43.4	83.4
111	39.0	21.0	61.0

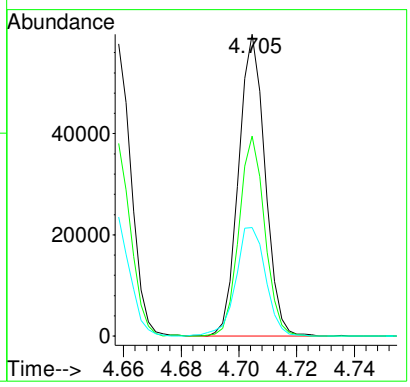


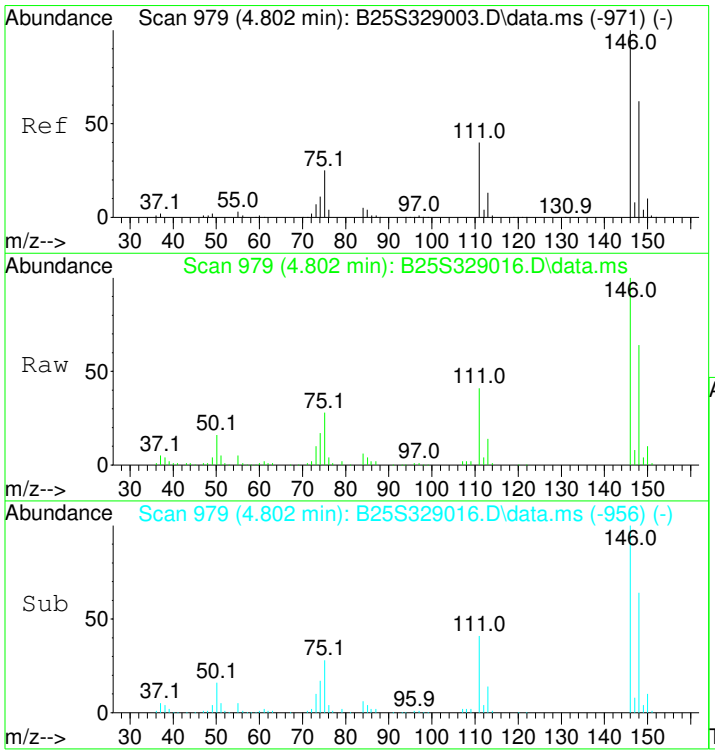


#11
1,4-Dichlorobenzene
Concen: 16.83 ug/ml
RT: 4.705 min Scan# 941
Delta R.T. -0.008 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:146 Resp: 37925

Ion	Ratio	Lower	Upper
146	100		
148	64.5	44.3	84.3
111	40.8	20.0	60.0

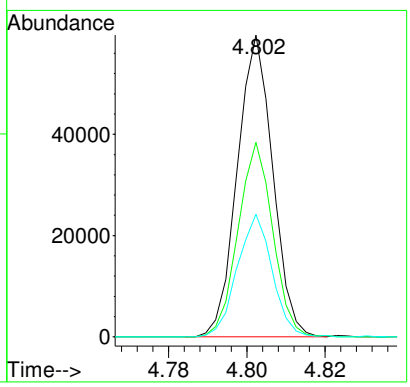


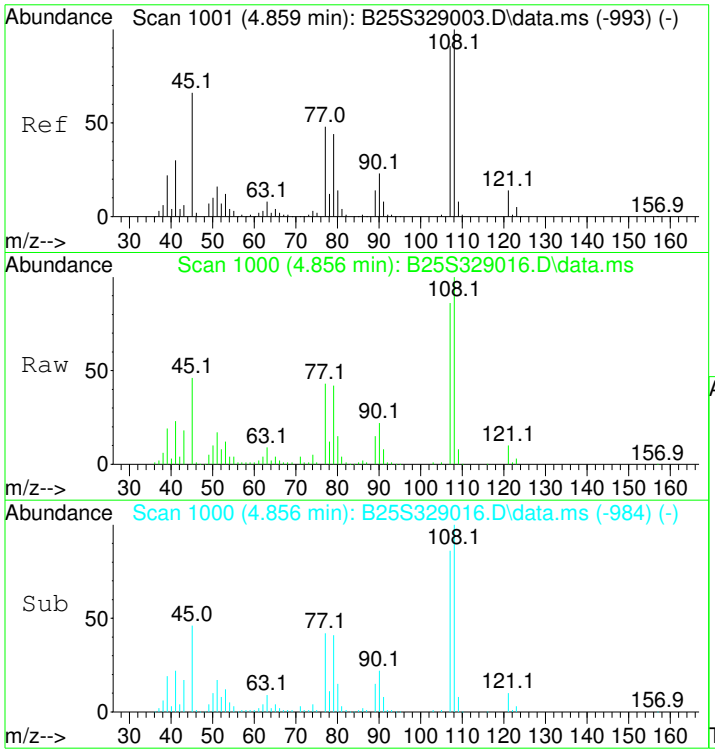


#12
1,2-Dichlorobenzene
Concen: 17.64 ug/ml
RT: 4.802 min Scan# 979
Delta R.T. -0.008 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:146 Resp: 37470

Ion	Ratio	Lower	Upper
146	100		
148	63.1	43.7	83.7
111	40.0	22.8	62.8

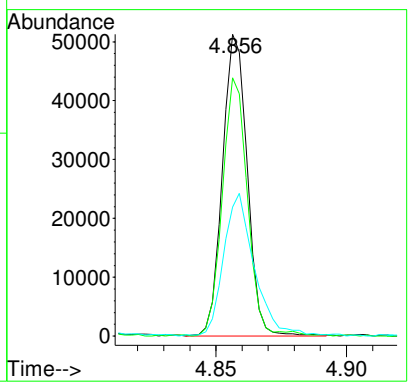


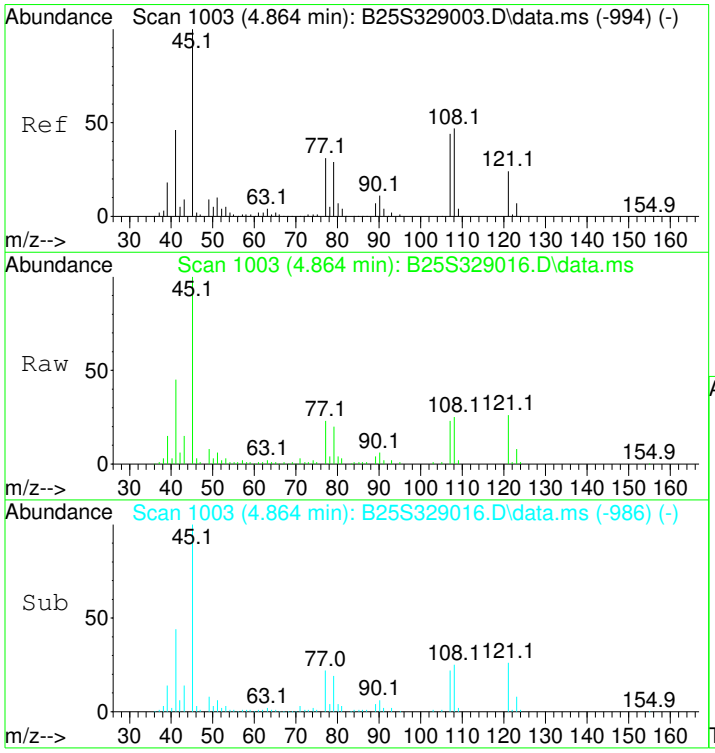


#13
2- METHYLPHENOL
Concen: 17.64 ug/ml
RT: 4.856 min Scan# 1000
Delta R.T. -0.002 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:108 Resp: 33930

Ion	Ratio	Lower	Upper
108	100		
107	86.9	66.8	106.8
77	58.8	32.5	72.5

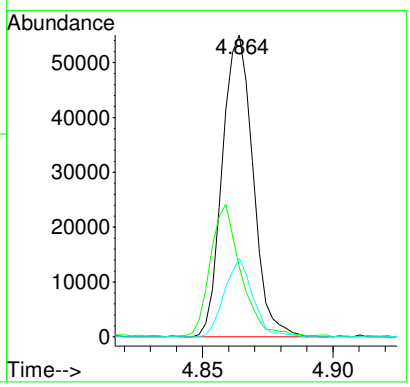


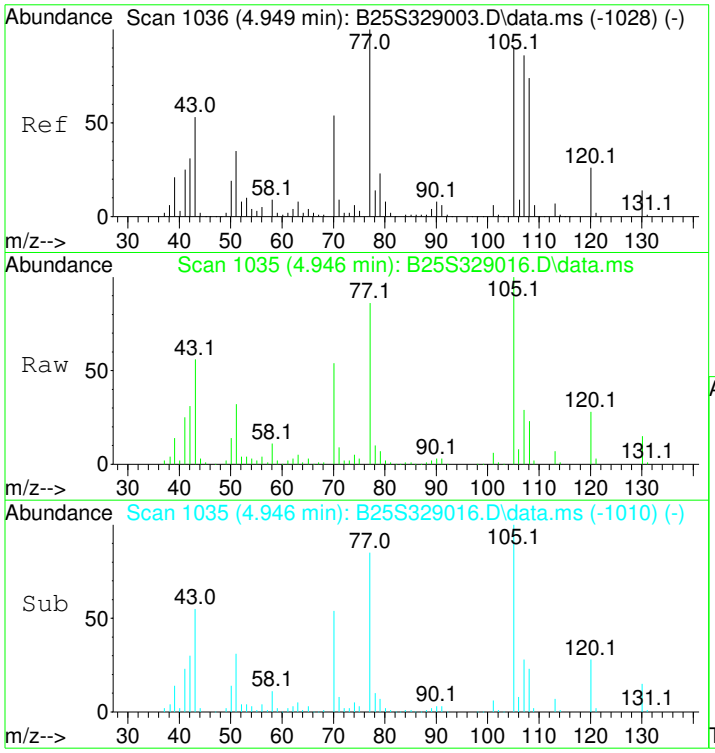


#14
2,2'-oxybis(1-chloropropane)
Concen: 20.20 ug/ml
RT: 4.864 min Scan# 1003
Delta R.T. -0.010 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion: 45 Resp: 45063

Ion	Ratio	Lower	Upper
45	100		
77	44.3	24.7	64.7
121	24.0	2.4	42.4

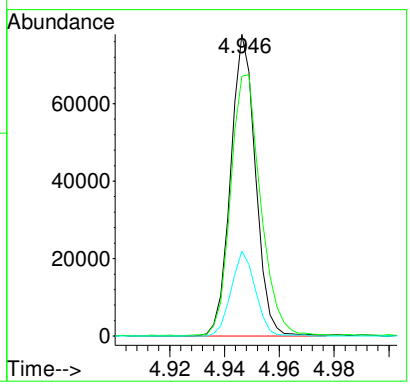


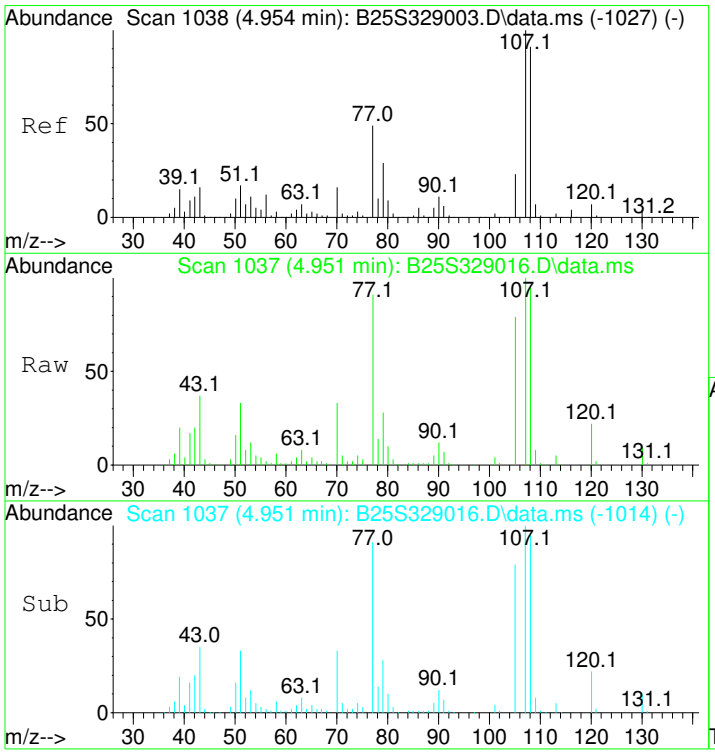


#15
Acetophenone
Concen: 17.84 ug/ml
RT: 4.946 min Scan# 1035
Delta R.T. -0.010 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:105 Resp: 49306

Ion	Ratio	Lower	Upper
105	100		
77	104.8	105.8	145.8#
120	27.4	7.8	47.8

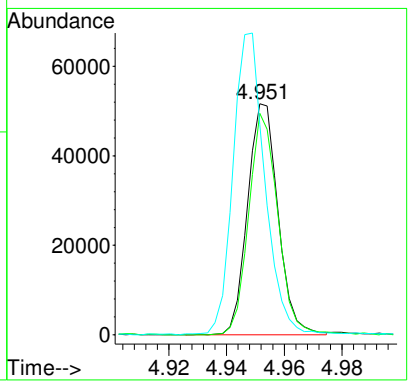


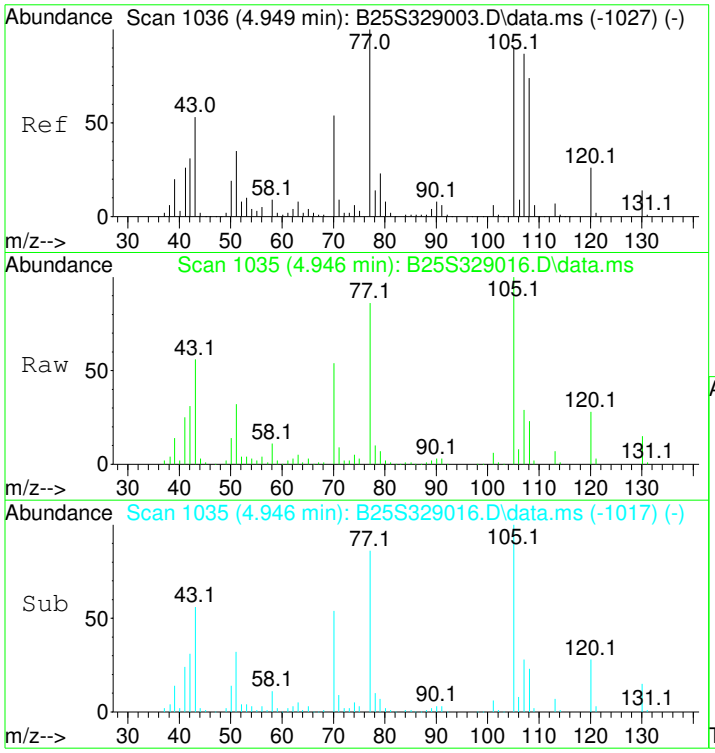


#16
3/4- METHYLPHENOL
Concen: 17.73 ug/ml
RT: 4.951 min Scan# 1037
Delta R.T. -0.002 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:107 Resp: 37928

Ion	Ratio	Lower	Upper
107	100		
108	92.4	70.1	110.1
77	136.3	61.8	101.8#

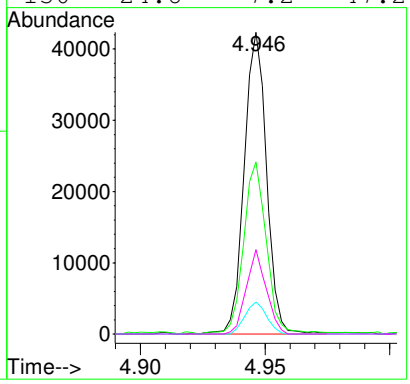


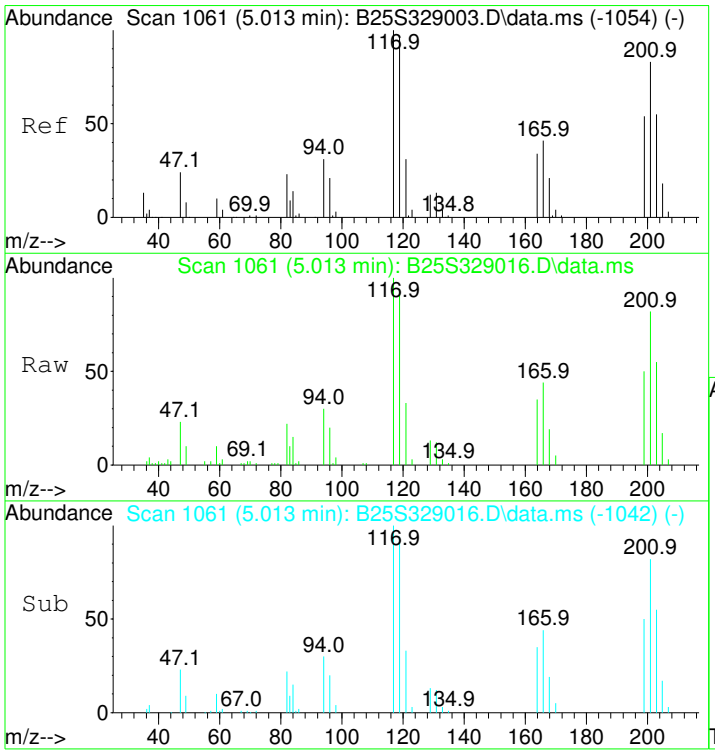


#17
N-Nitroso-Di-N-Propylamine
Concen: 18.47 ug/ml
RT: 4.946 min Scan# 1035
Delta R.T. -0.013 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion: 70 Resp: 26510

Ion	Ratio	Lower	Upper
70	100		
42	58.5	41.5	81.5
101	10.3	0.0	31.6
130	24.8	7.2	47.2

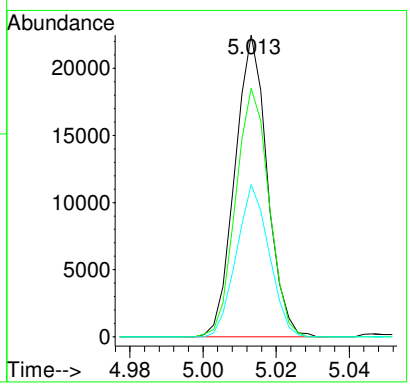


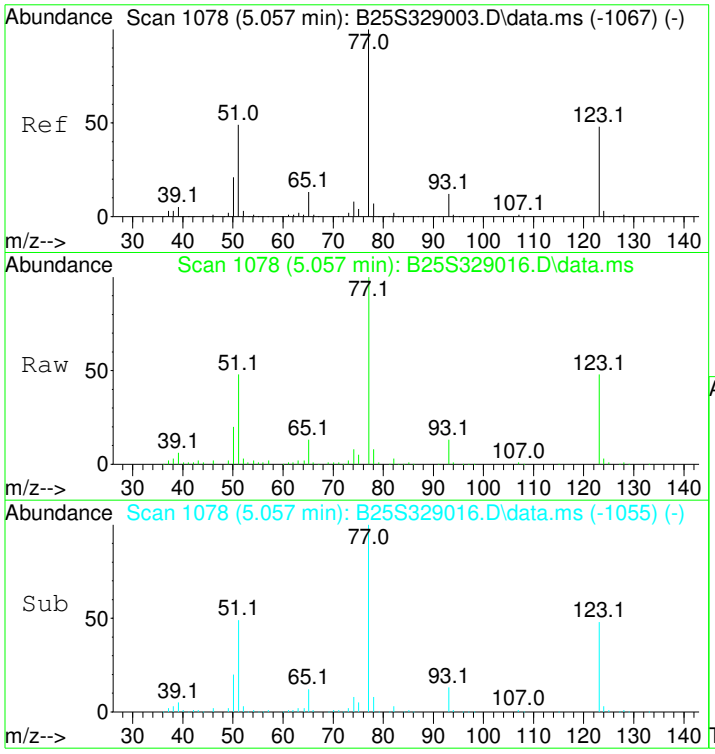


#18
Hexachloroethane
Concen: 16.01 ug/ml
RT: 5.013 min Scan# 1061
Delta R.T. -0.010 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:117 Resp: 13824

Ion	Ratio	Lower	Upper
117	100		
201	84.4	59.3	99.3
199	50.8	29.7	69.7

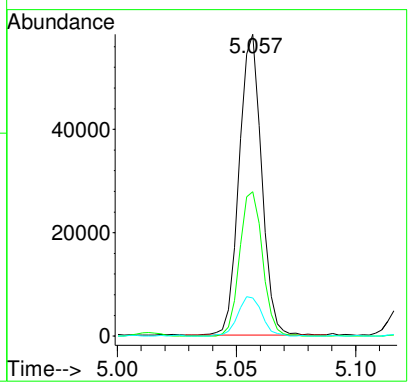


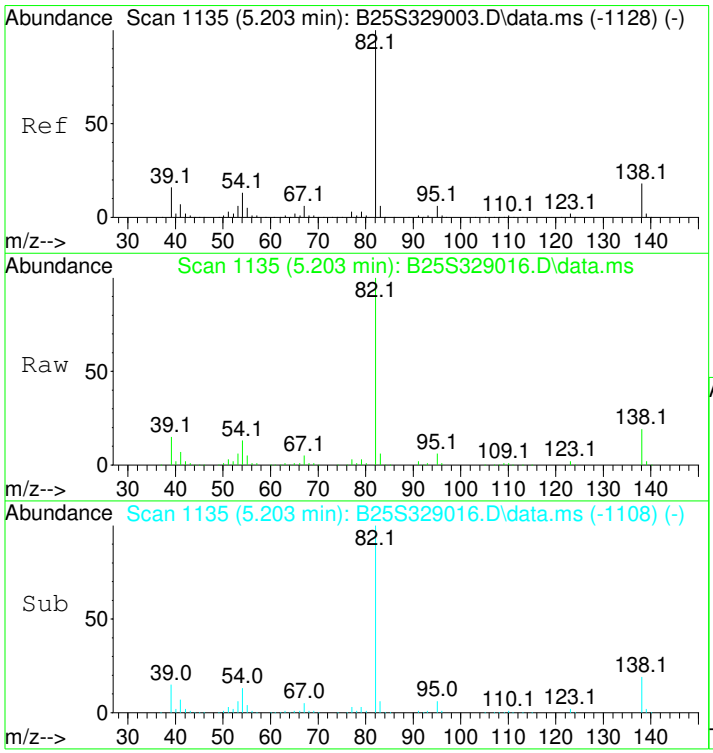


#21
NITROBENZENE
Concen: 18.63 ug/ml
RT: 5.057 min Scan# 1078
Delta R.T. -0.010 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion: 77 Resp: 37989

Ion	Ratio	Lower	Upper
77	100		
123	48.9	30.6	70.6
65	14.2	0.0	34.5

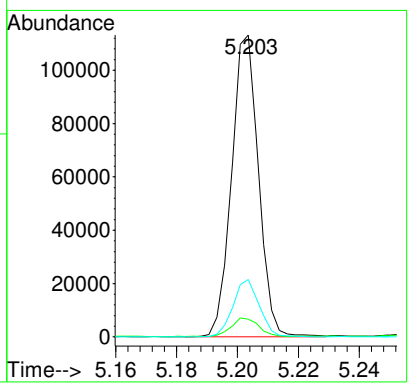


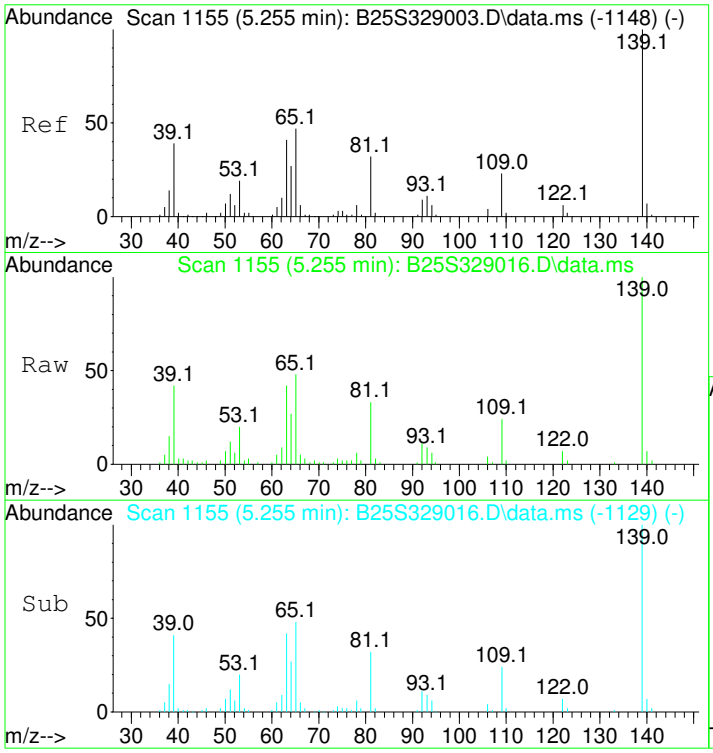


#22
Isophorone
Concen: 20.37 ug/ml
RT: 5.203 min Scan# 1135
Delta R.T. -0.010 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion: 82 Resp: 69642

Ion	Ratio	Lower	Upper
82	100		
95	6.7	0.0	26.8
138	18.6	0.0	39.5

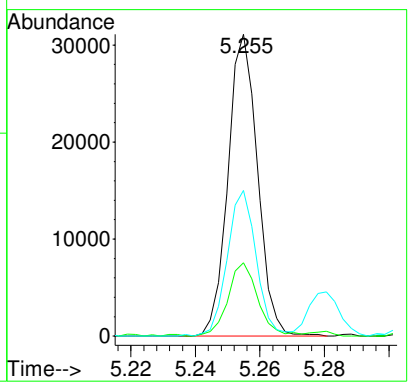


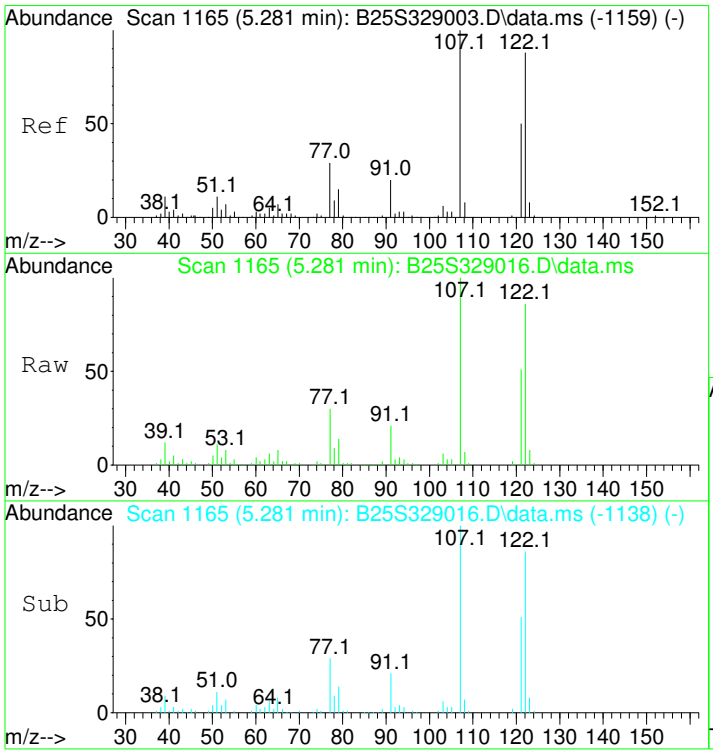


#23
2-Nitrophenol
Concen: 19.65 ug/ml
RT: 5.255 min Scan# 1155
Delta R.T. -0.010 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:139 Resp: 19752

Ion	Ratio	Lower	Upper
139	100		
109	24.6	3.6	43.6
65	47.1	26.5	66.5

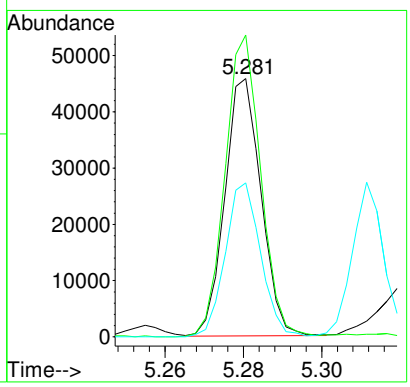


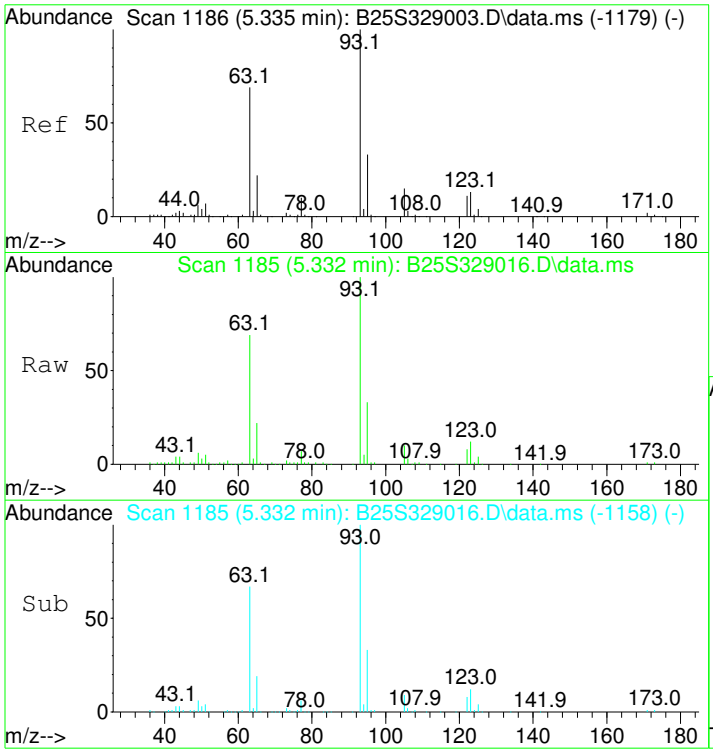


#24
2,4-Dimethylphenol
Concen: 18.16 ug/ml
RT: 5.281 min Scan# 1165
Delta R.T. -0.002 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:122 Resp: 29483

Ion	Ratio	Lower	Upper
122	100		
107	115.9	98.7	138.7
121	58.4	41.5	81.5

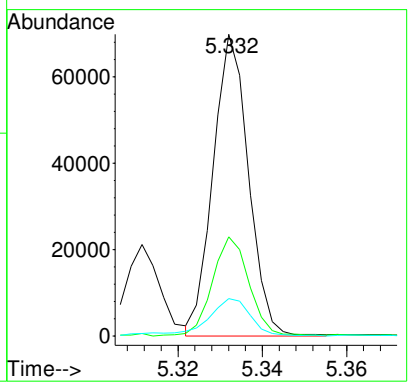


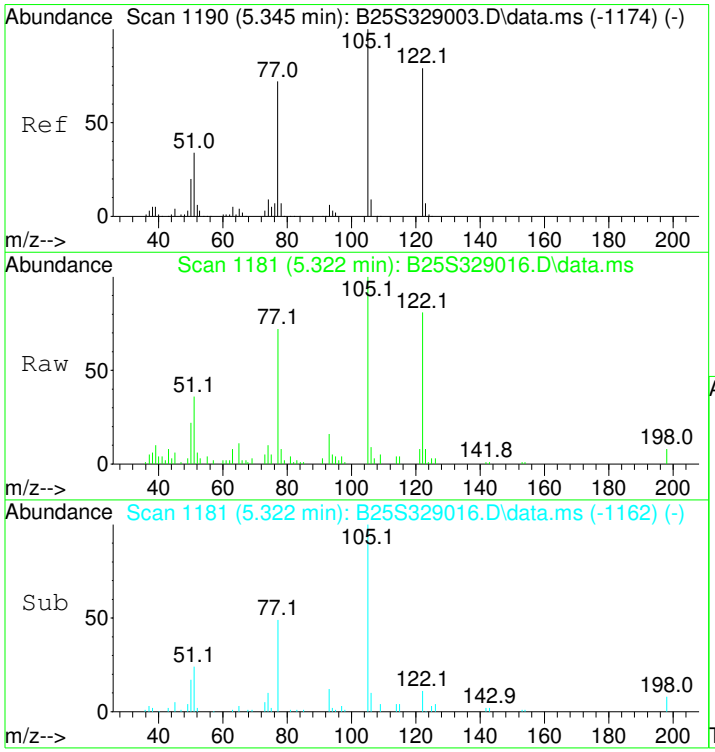


#25
Bis(2-Chloroethoxy)methane
Concen: 18.20 ug/ml
RT: 5.332 min Scan# 1185
Delta R.T. -0.013 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion: 93 Resp: 40812

Ion	Ratio	Lower	Upper
93	100		
95	34.3	12.2	52.2
123	15.8	0.0	37.2

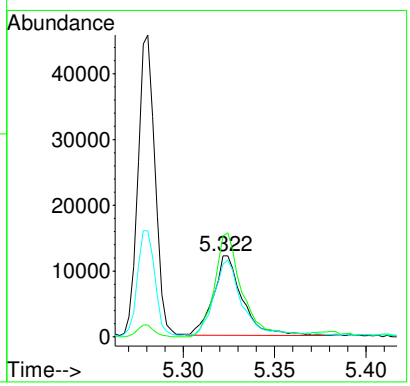


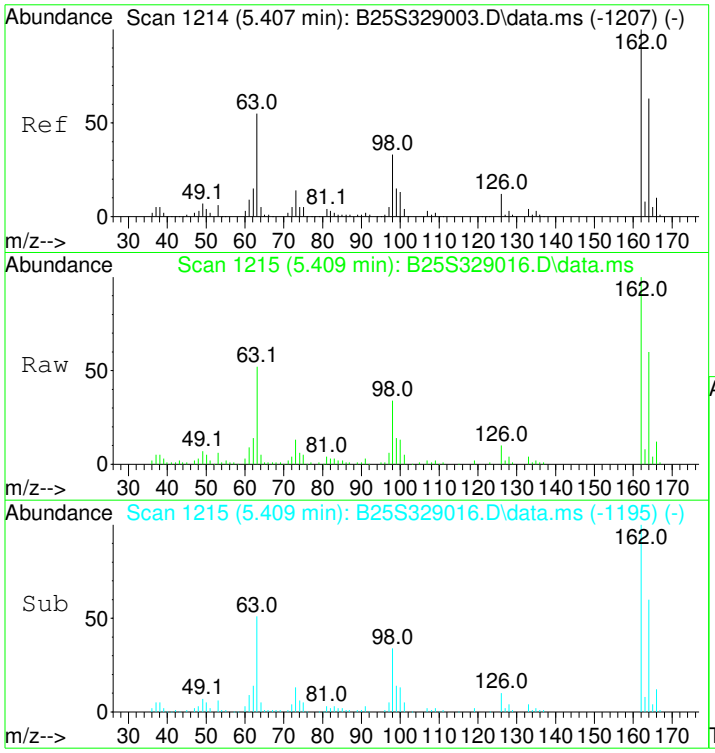


#26
Benzoic Acid
Concen: 13.27 ug/ml
RT: 5.322 min Scan# 1181
Delta R.T. -0.018 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:122 Resp: 13320

Ion	Ratio	Lower	Upper
122	100		
105	125.1	95.4	135.4
77	91.0	64.2	104.2

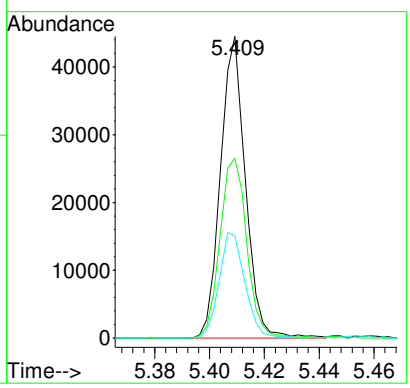


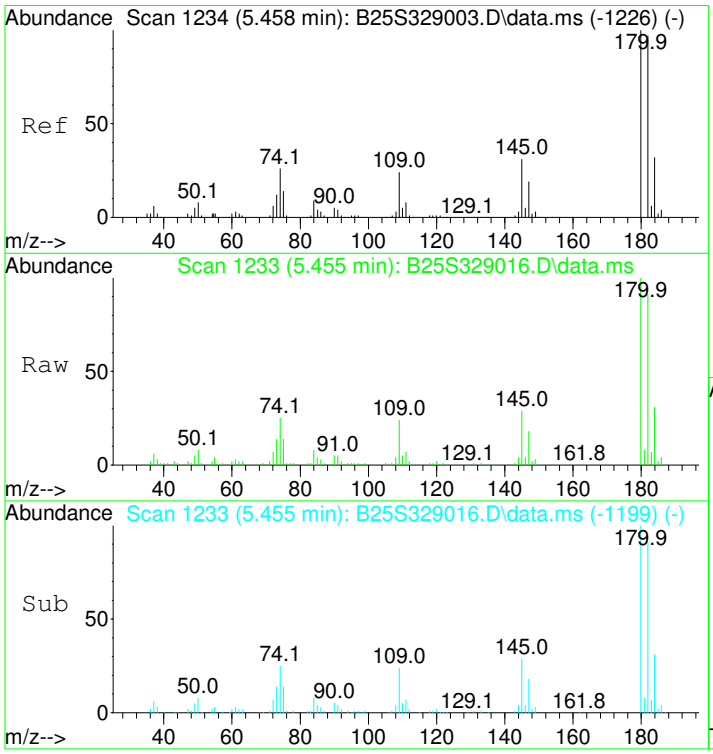


#27
2,4-Dichlorophenol
Concen: 18.24 ug/ml
RT: 5.409 min Scan# 1215
Delta R.T. -0.002 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:162 Resp: 28213

Ion	Ratio	Lower	Upper
162	100		
164	64.3	44.3	84.3
98	36.3	16.3	56.3

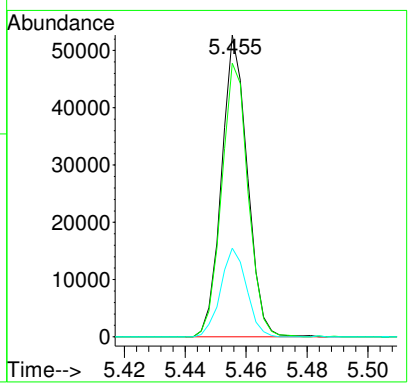


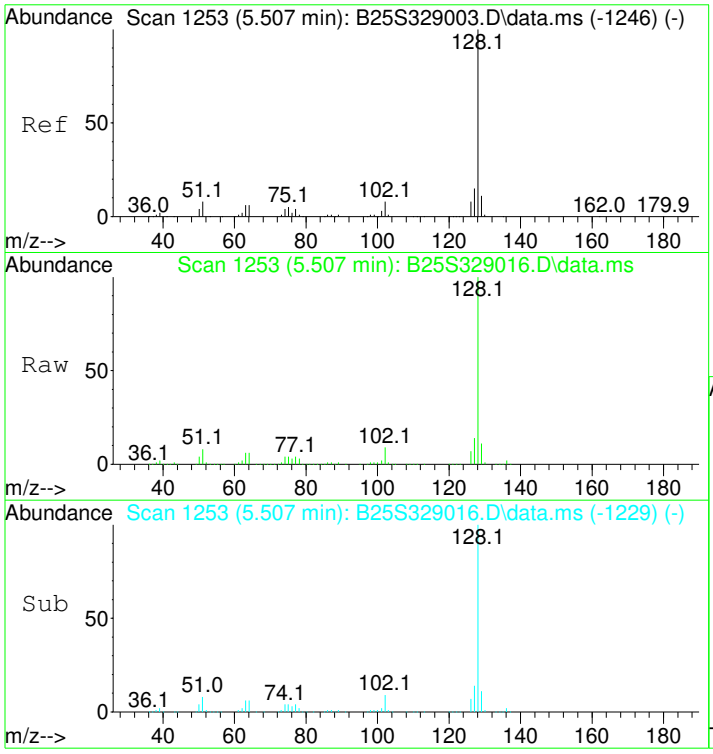


#28
1,2,4-Trichlorobenzene
Concen: 18.76 ug/ml
RT: 5.455 min Scan# 1233
Delta R.T. -0.010 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:180 Resp: 31056

Ion	Ratio	Lower	Upper
180	100		
182	93.1	74.0	114.0
145	29.6	10.2	50.2

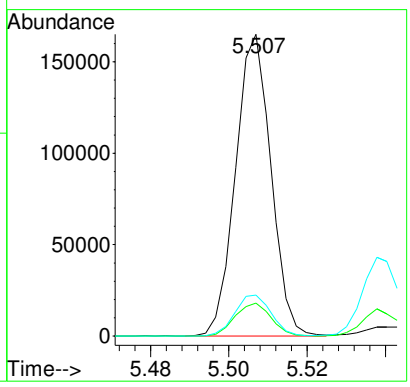


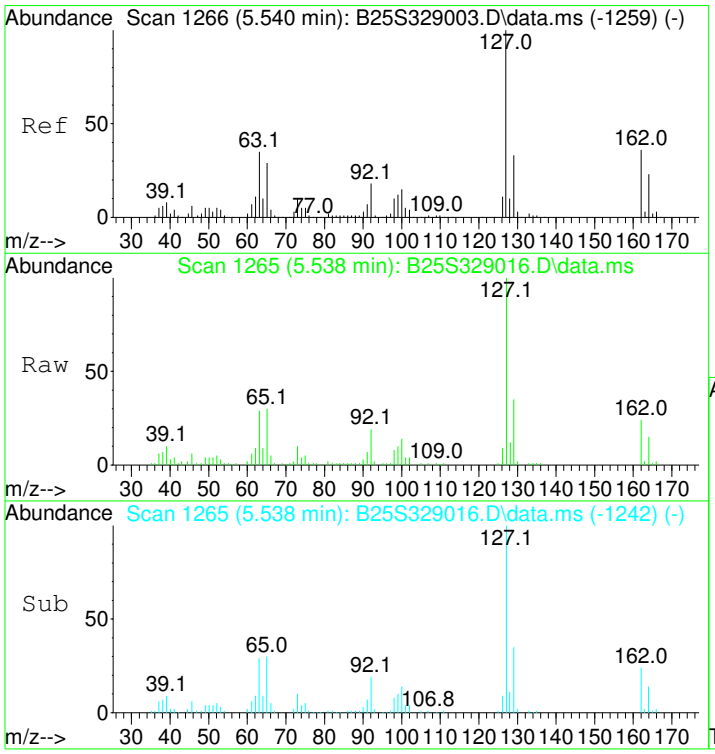


#29
Naphthalene
Concen: 18.57 ug/ml
RT: 5.507 min Scan# 1253
Delta R.T. -0.010 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:128 Resp: 103823

Ion	Ratio	Lower	Upper
128	100		
129	11.2	0.0	31.1
127	14.0	0.0	34.2

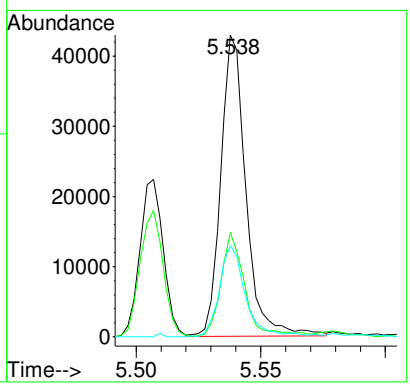


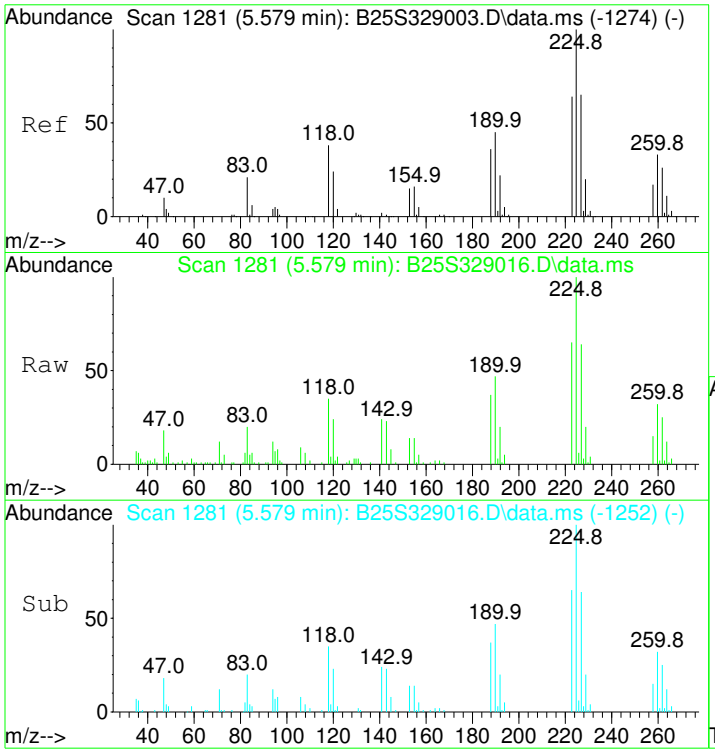


#30
4-Chloroaniline
Concen: 12.50 ug/ml
RT: 5.538 min Scan# 1265
Delta R.T. -0.008 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:127 Resp: 30153

Ion	Ratio	Lower	Upper
127	100		
129	33.2	11.9	51.9
65	31.3	7.6	47.6

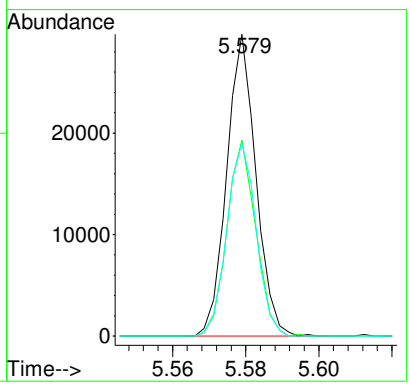


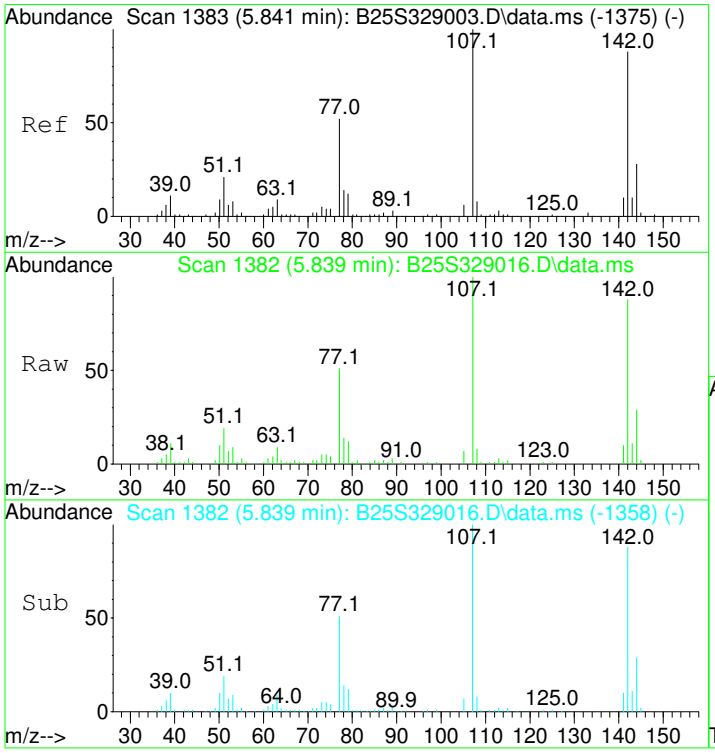


#31
Hexachlorobutadiene
Concen: 19.81 ug/ml
RT: 5.579 min Scan# 1281
Delta R.T. -0.013 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:225 Resp: 16499

Ion	Ratio	Lower	Upper
225	100		
223	63.9	43.6	83.6
227	64.2	44.8	84.8

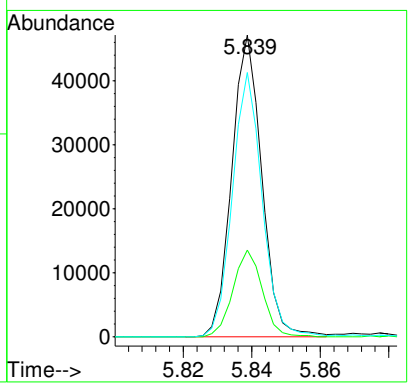


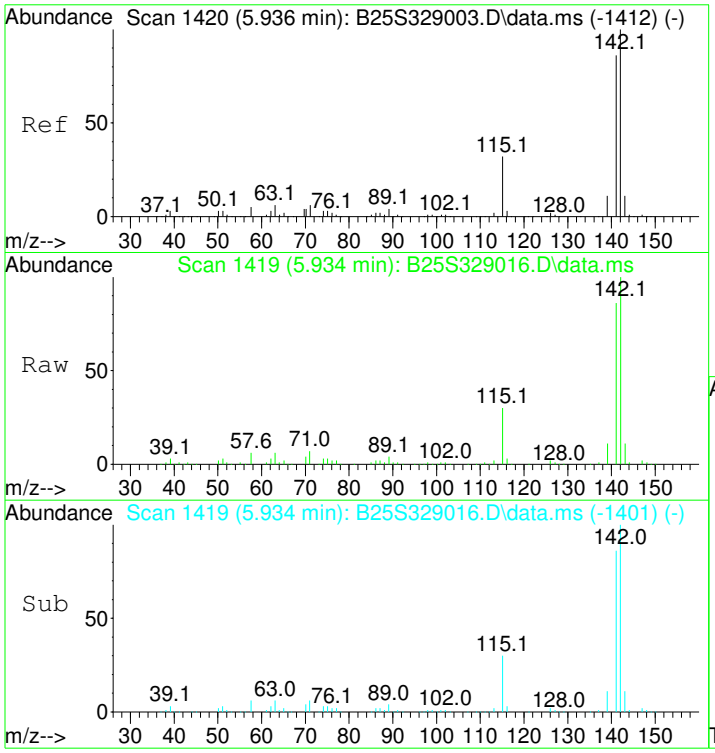


#32
4-Chloro-3-Methylphenol
Concen: 17.81 ug/ml
RT: 5.839 min Scan# 1382
Delta R.T. -0.002 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:107 Resp: 28734

Ion	Ratio	Lower	Upper
107	100		
144	28.1	8.6	48.6
142	87.5	68.4	108.4

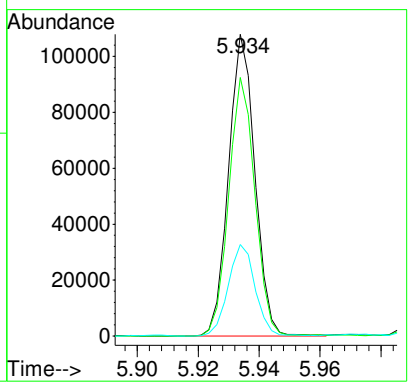


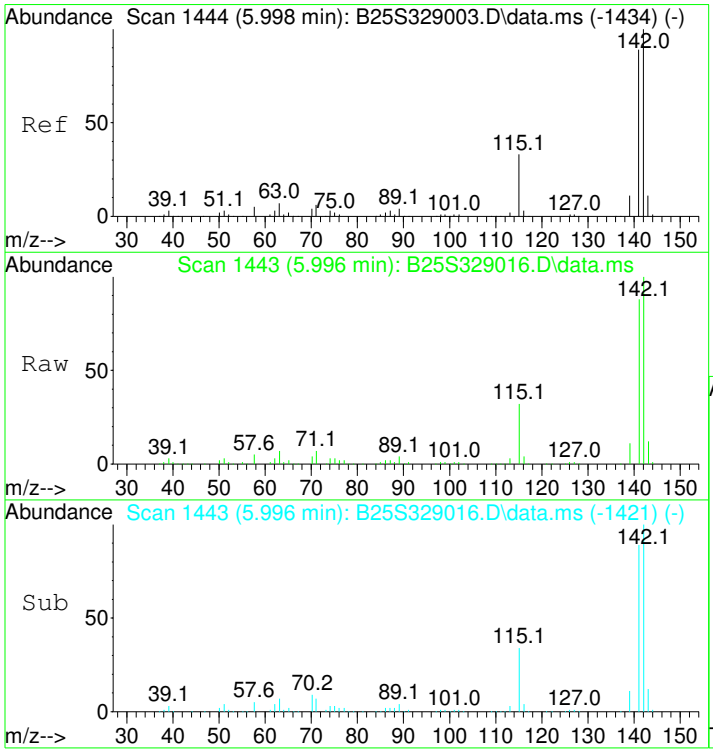


#33
2-MethylNaphthalene
Concen: 17.06 ug/ml
RT: 5.934 min Scan# 1419
Delta R.T. -0.010 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:142 Resp: 64774

Ion	Ratio	Lower	Upper
142	100		
141	85.0	66.6	106.6
115	31.2	12.6	52.6

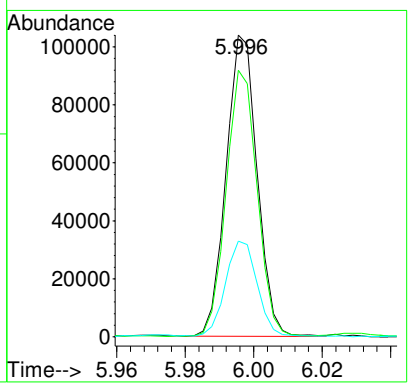


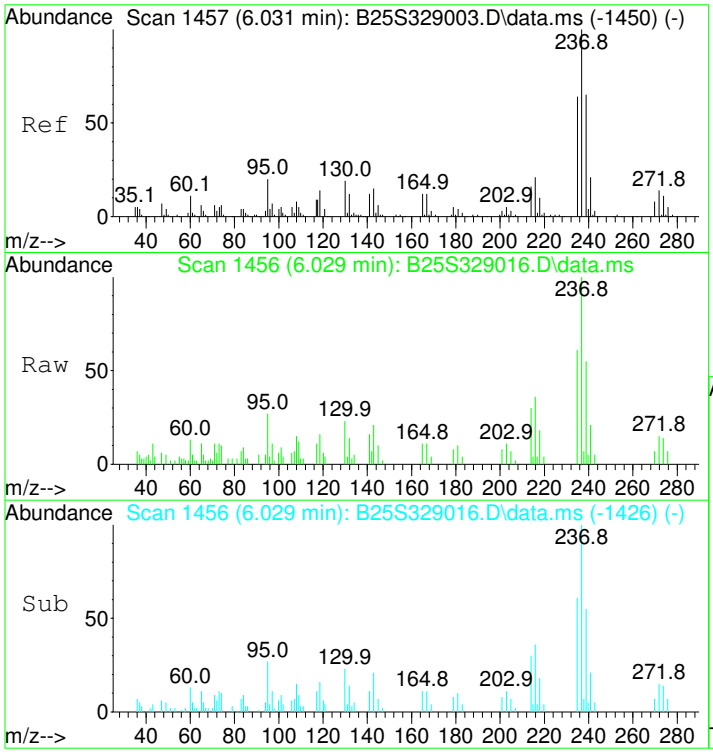


#34
1-Methylnaphthalene
Concen: 18.32 ug/ml
RT: 5.996 min Scan# 1443
Delta R.T. -0.010 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:142 Resp: 65454

Ion	Ratio	Lower	Upper
142	100		
141	88.1	69.0	109.0
115	32.2	14.1	54.1

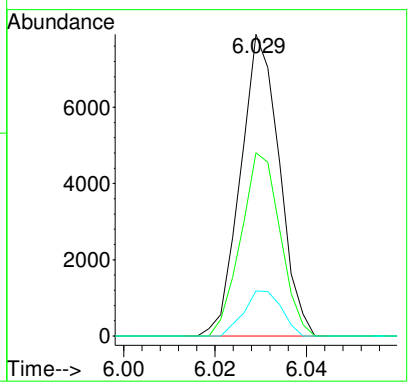


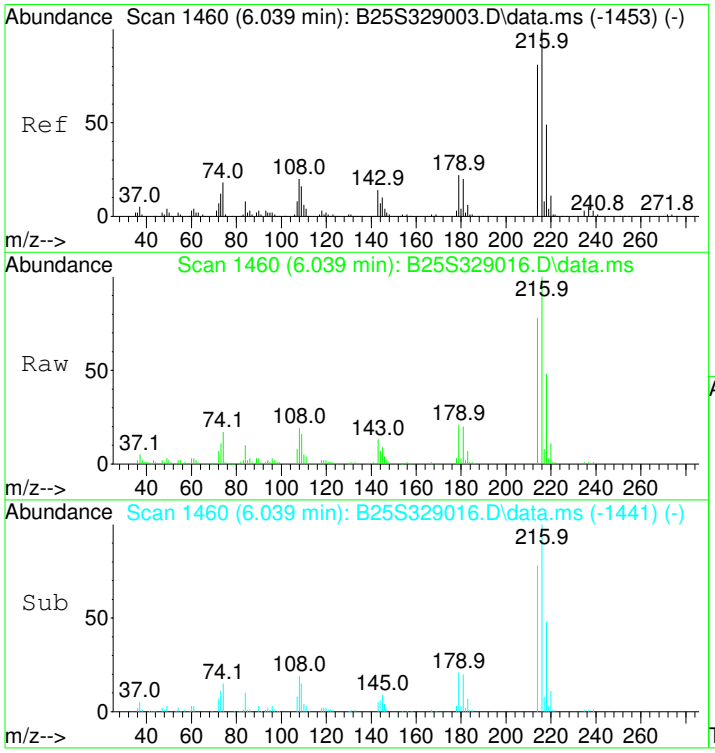


#38
Hexachlorocyclopentadiene
Concen: 5.50 ug/ml
RT: 6.029 min Scan# 1456
Delta R.T. -0.013 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:237 Resp: 4654

Ion	Ratio	Lower	Upper
237	100		
235	61.6	43.5	83.5
272	14.6	0.0	33.1

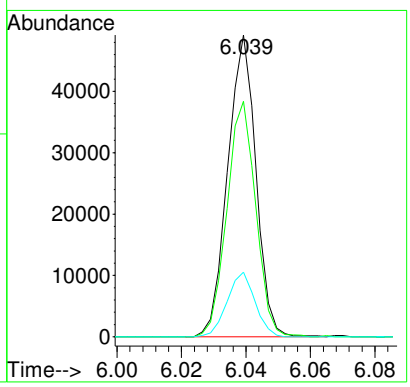


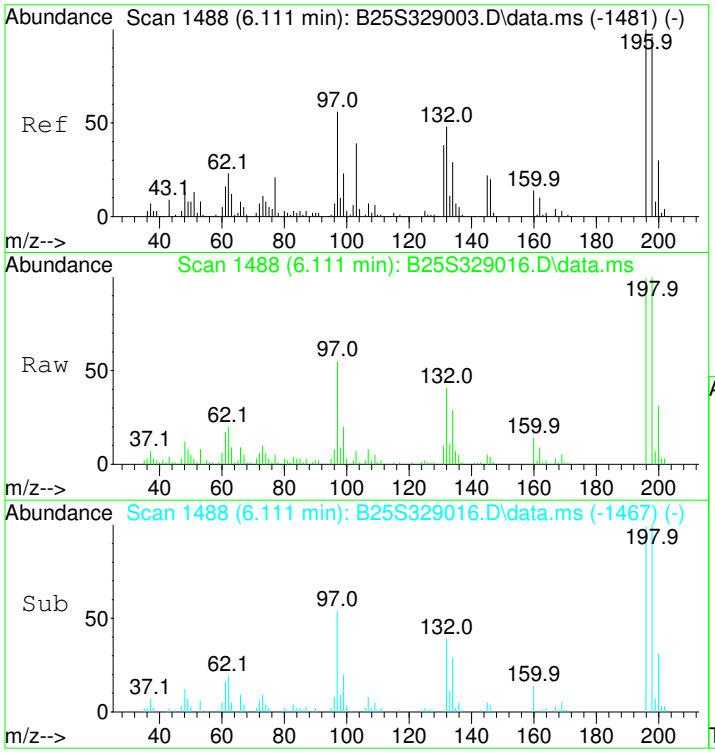


#39
1,2,4,5-Tetrachlorobenzene
Concen: 20.20 ug/ml
RT: 6.039 min Scan# 1460
Delta R.T. -0.010 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:216 Resp: 29921

Ion	Ratio	Lower	Upper
216	100		
214	79.7	58.2	98.2
179	21.2	1.0	41.0

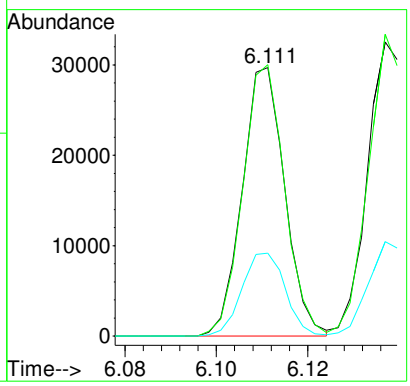


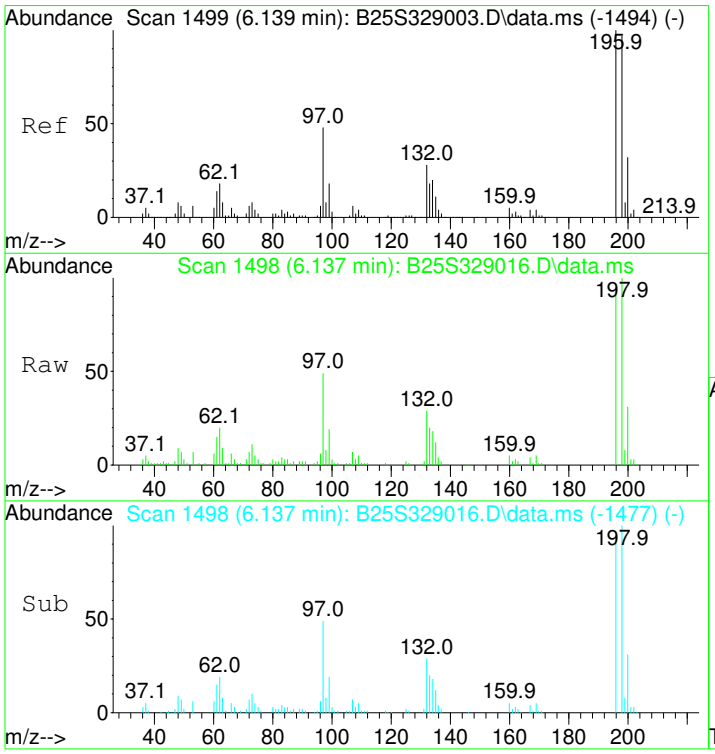


#40
2,4,6-Trichlorophenol
Concen: 19.18 ug/ml
RT: 6.111 min Scan# 1488
Delta R.T. -0.005 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:196 Resp: 19224

Ion	Ratio	Lower	Upper
196	100		
198	99.4	75.7	115.7
200	31.6	10.3	50.3

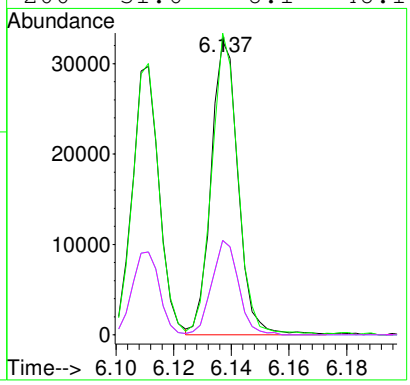


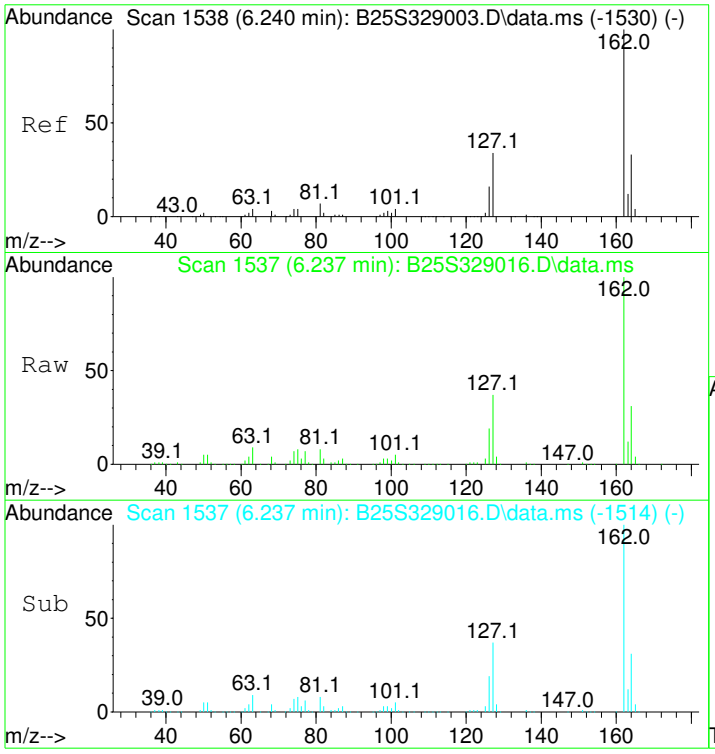


#41
2,4,5-Trichlorophenol
Concen: 20.18 ug/ml
RT: 6.137 min Scan# 1498
Delta R.T. -0.002 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:196 Resp: 21215

Ion	Ratio	Lower	Upper
196	100		
198	98.8	68.9	108.9
200	31.6	8.1	48.1
200	31.6	8.1	48.1

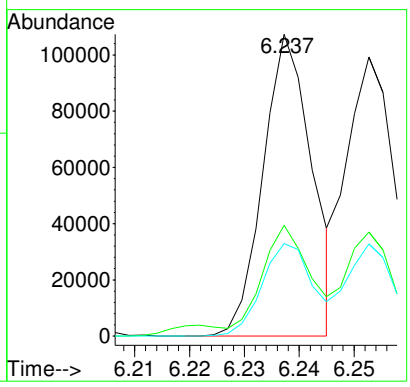


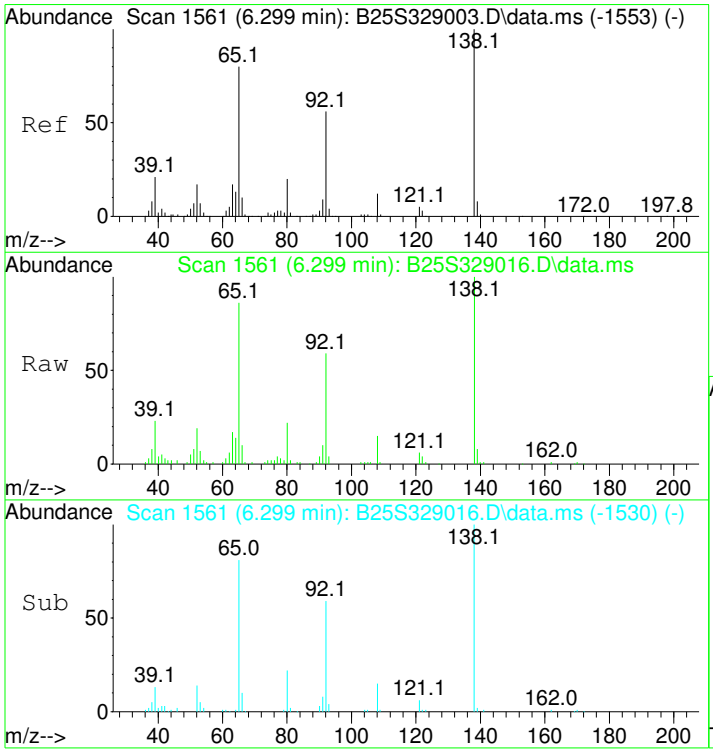


#42
2-ChloroNaphthalene
Concen: 17.56 ug/ml
RT: 6.237 min Scan# 1537
Delta R.T. -0.013 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:162 Resp: 66424

Ion	Ratio	Lower	Upper
162	100		
127	36.3	18.1	58.1
164	32.0	13.5	53.5

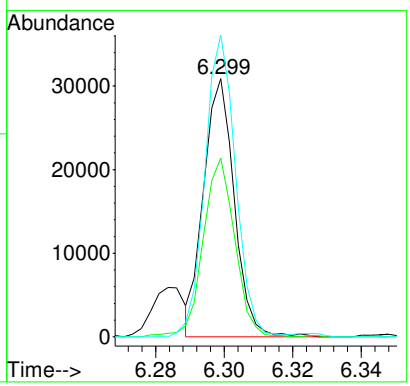


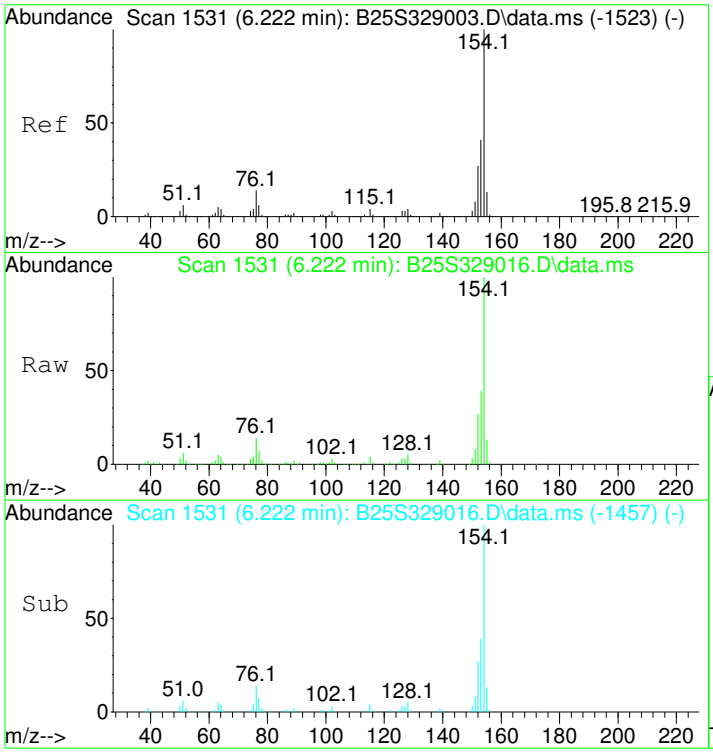


#43
2-Nitroaniline
Concen: 19.87 ug/ml
RT: 6.299 min Scan# 1561
Delta R.T. -0.008 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion: 65 Resp: 19257

Ion	Ratio	Lower	Upper
65	100		
92	71.1	50.3	90.3
138	116.8	101.8	141.8

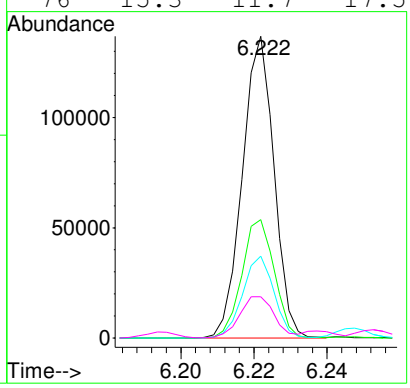


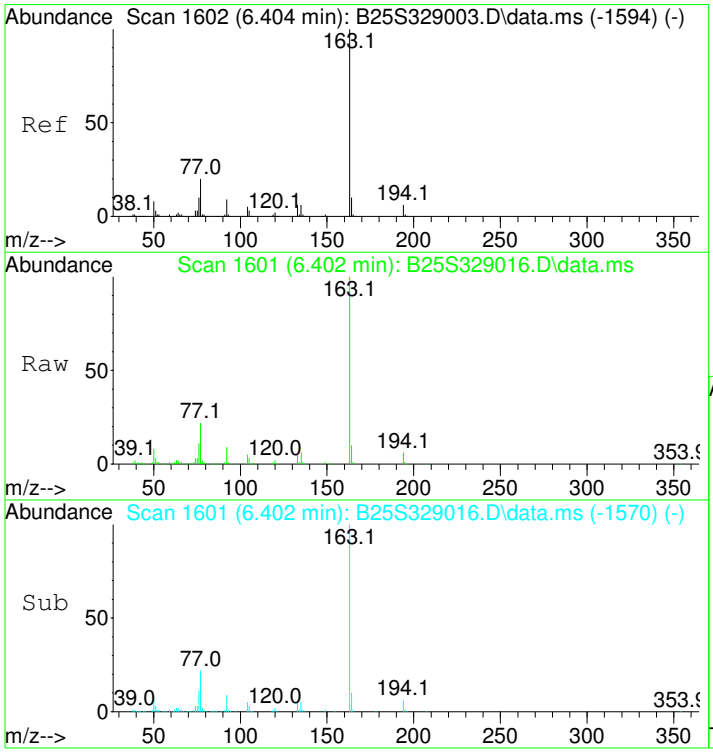


#44
1,1-Biphenyl
Concen: 20.69 ug/ml
RT: 6.222 min Scan# 1531
Delta R.T. -0.010 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:154 Resp: 82237

Ion	Ratio	Lower	Upper
154	100		
153	40.3	33.0	49.4
152	27.0	22.0	33.0
76	15.3	11.7	17.5

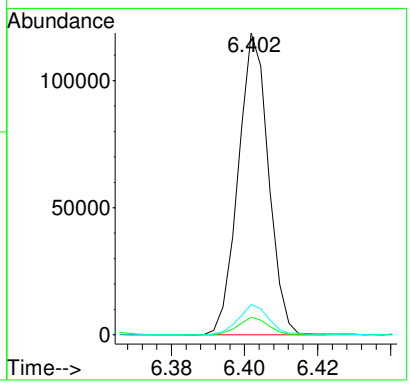


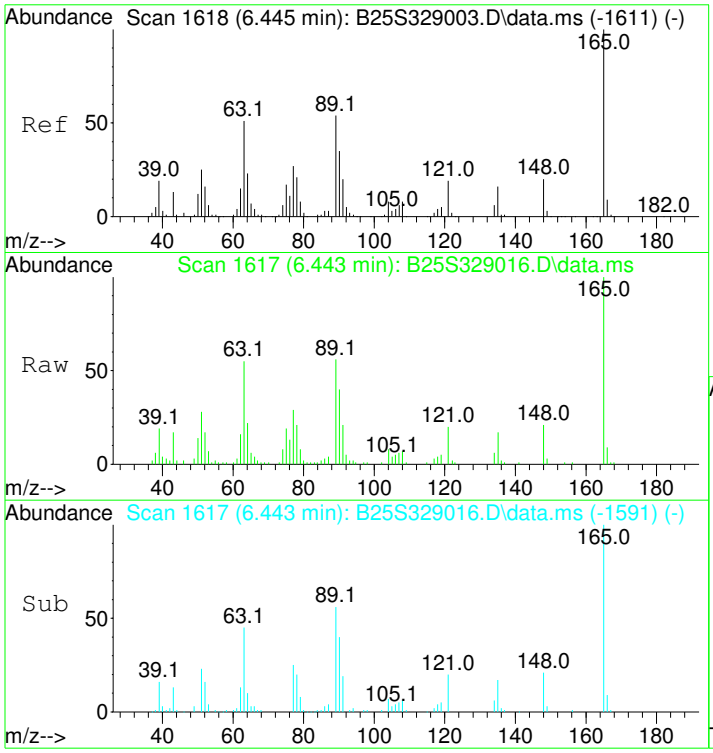


#45
DIMETHYL PHTHALATE
Concen: 20.38 ug/ml
RT: 6.402 min Scan# 1601
Delta R.T. -0.010 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:163 Resp: 67983

Ion	Ratio	Lower	Upper
163	100		
194	5.7	0.0	26.0
164	10.2	0.0	30.4

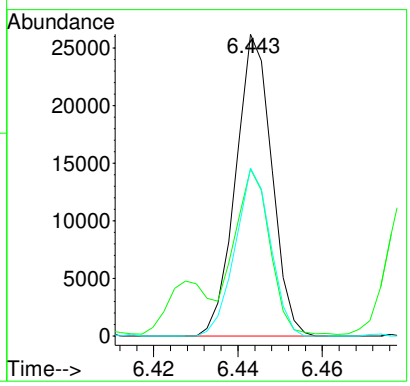


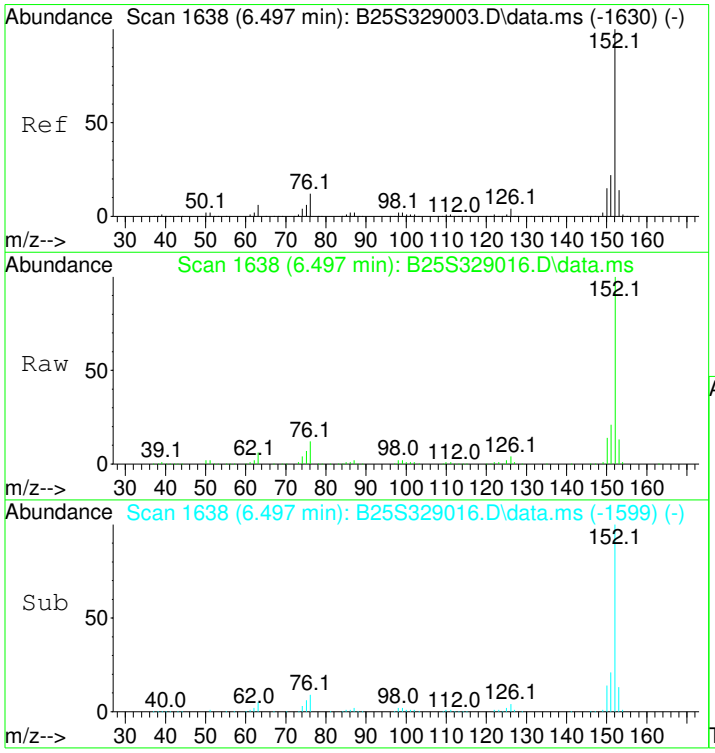


#46
2,6-DinitroToluene
Concen: 20.12 ug/ml
RT: 6.443 min Scan# 1617
Delta R.T. -0.010 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:165 Resp: 15492

Ion	Ratio	Lower	Upper
165	100		
63	52.5	35.4	75.4
89	54.4	34.9	74.9

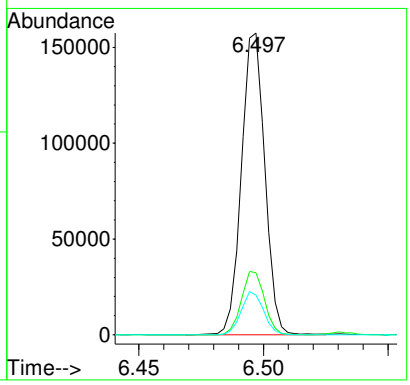


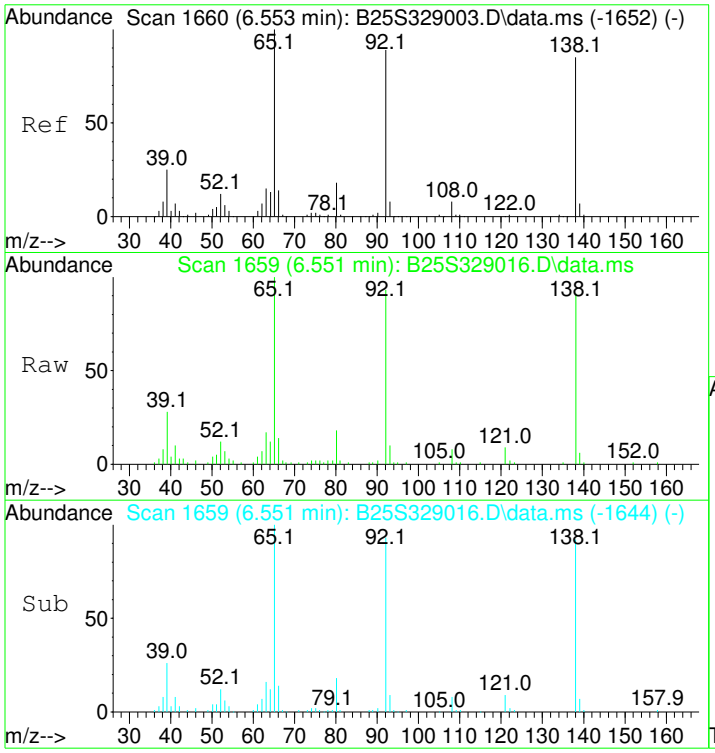


#47
Acenaphthylene
Concen: 20.25 ug/ml
RT: 6.497 min Scan# 1638
Delta R.T. -0.008 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:152 Resp: 103051

Ion	Ratio	Lower	Upper
152	100		
151	20.6	1.0	41.0
153	13.7	0.0	33.1

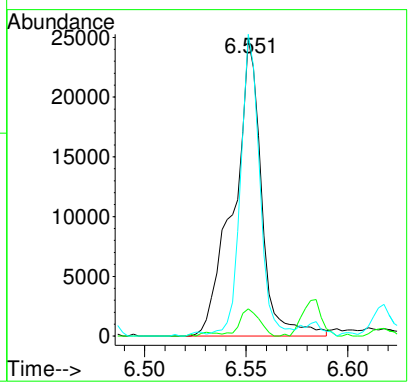


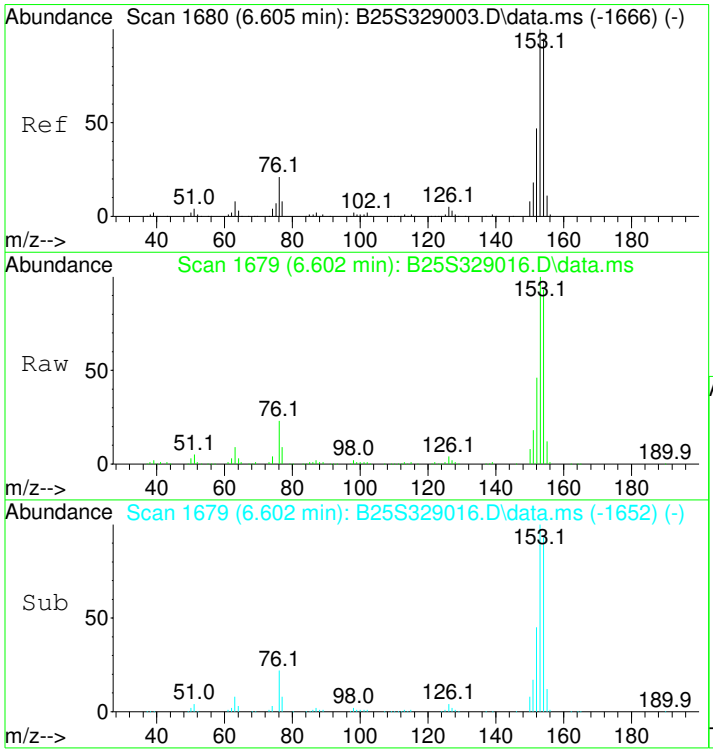


#48
3-Nitroaniline
Concen: 24.97 ug/ml
RT: 6.551 min Scan# 1659
Delta R.T. -0.010 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:138 Resp: 23750

Ion	Ratio	Lower	Upper
138	100		
108	6.5	0.0	29.4
92	69.9	85.6	125.6#

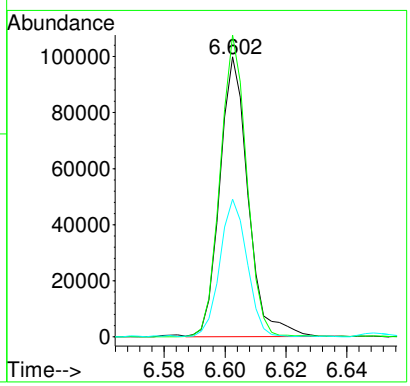


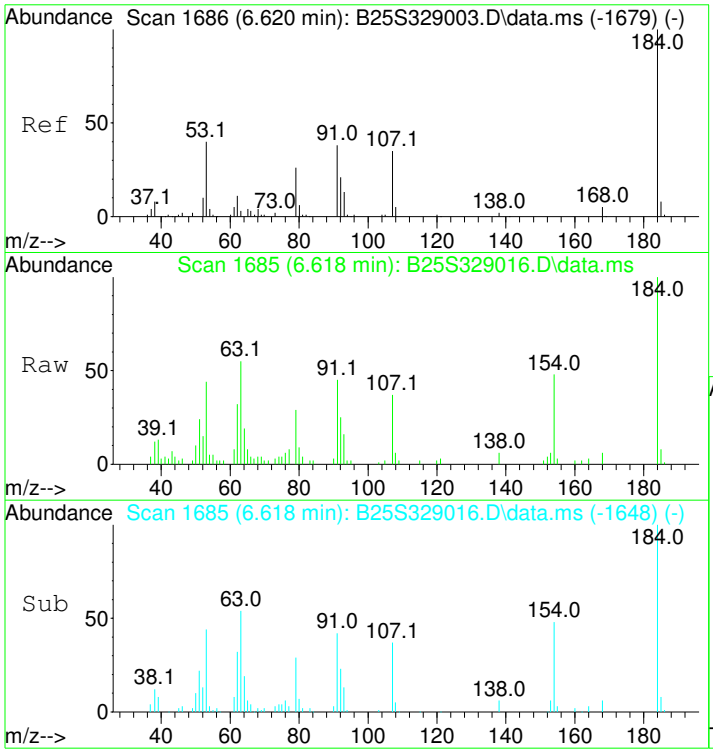


#49
Acenaphthene
Concen: 18.94 ug/ml
RT: 6.602 min Scan# 1679
Delta R.T. -0.010 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:154 Resp: 64628

Ion	Ratio	Lower	Upper
154	100		
153	101.5	77.8	117.8
152	47.1	28.0	68.0

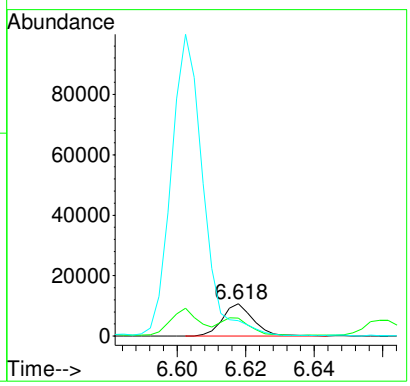


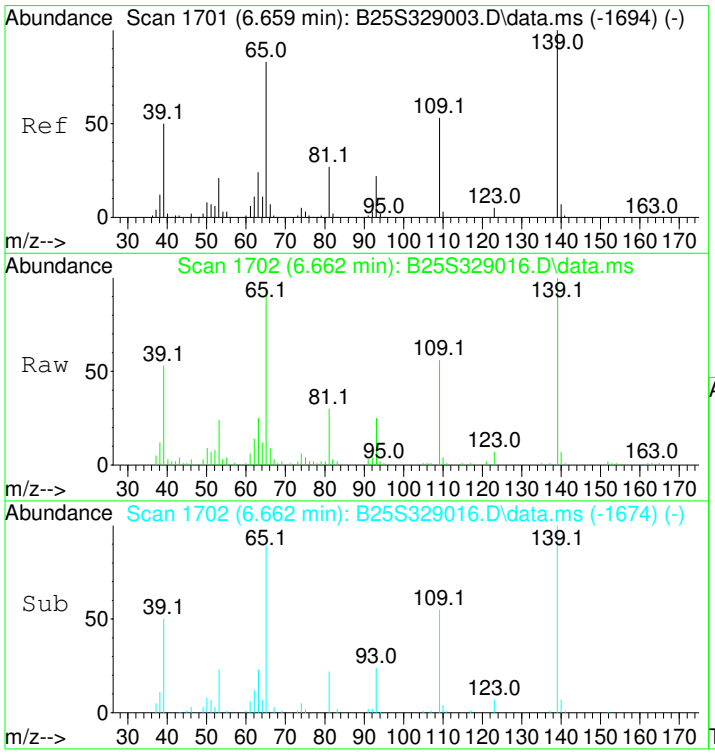


#50
2,4-Dinitrophenol
Concen: 16.05 ug/ml
RT: 6.618 min Scan# 1685
Delta R.T. -0.005 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:184 Resp: 6670

Ion	Ratio	Lower	Upper
184	100		
63	53.2	39.2	79.2
154	1.6	0.0	20.0

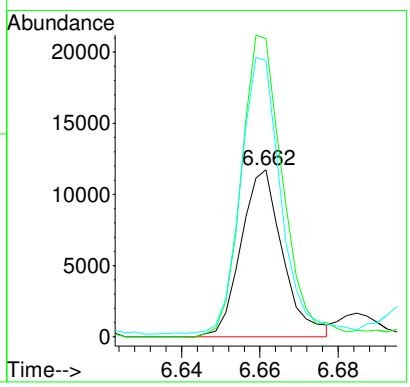


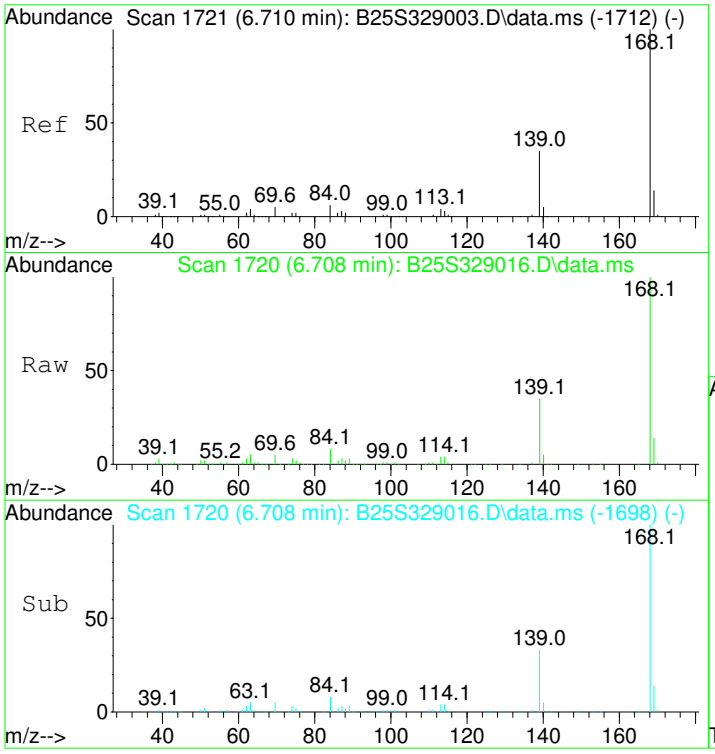


#51
4-Nitrophenol
Concen: 21.10 ug/ml
RT: 6.662 min Scan# 1702
Delta R.T. 0.008 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:109 Resp: 8682

Ion	Ratio	Lower	Upper
109	100		
139	181.2	160.6	200.6
65	164.7	136.1	176.1

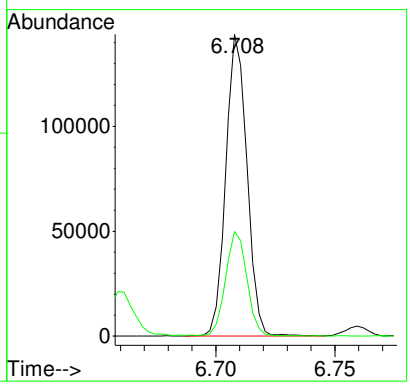


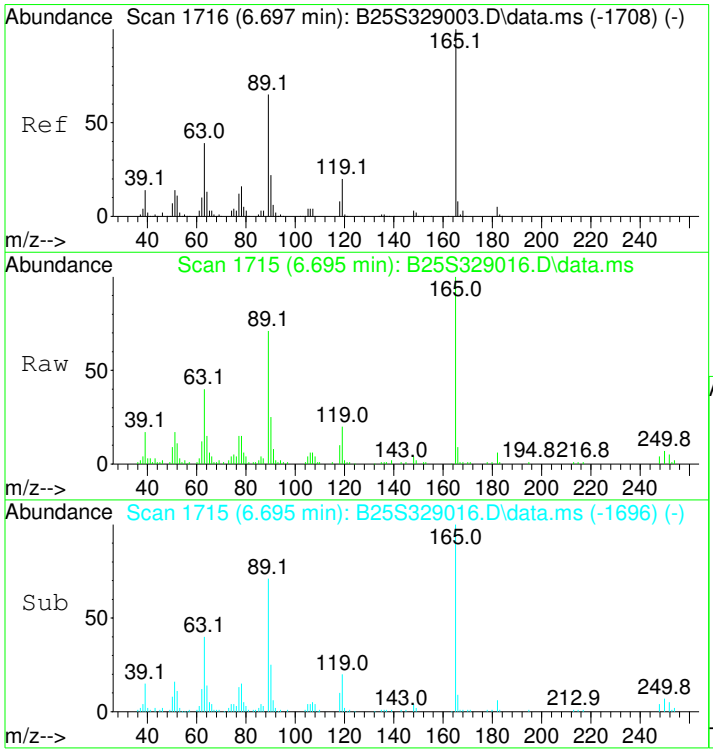


#52
Dibenzofuran
Concen: 19.80 ug/ml
RT: 6.708 min Scan# 1720
Delta R.T. -0.010 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:168 Resp: 89247

Ion	Ratio	Lower	Upper
168	100		
139	35.2	16.8	56.8

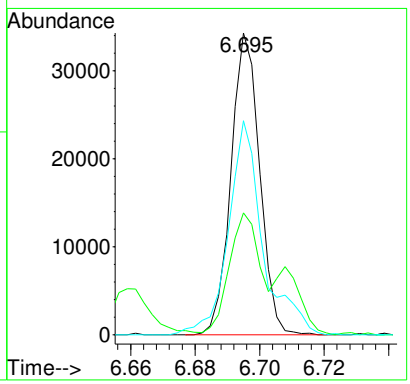


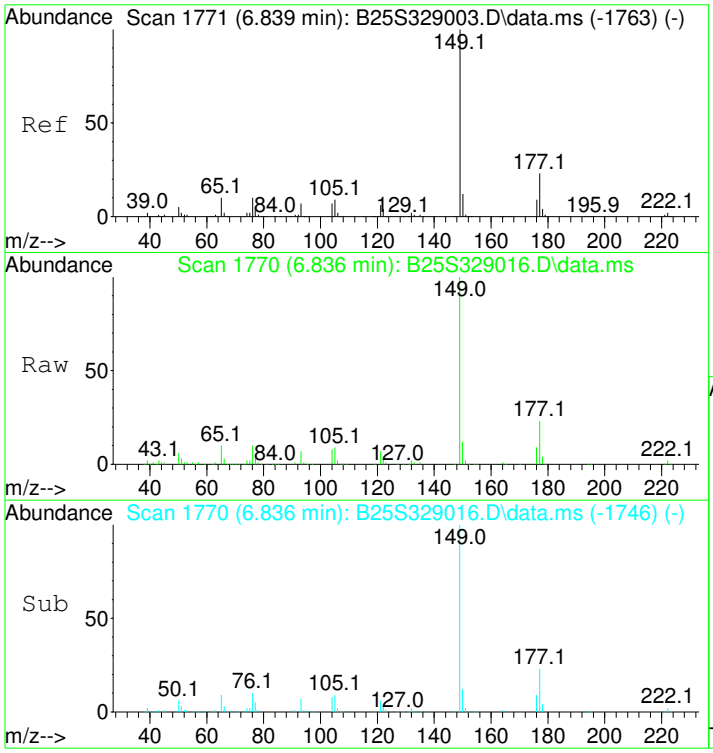


#53
2,4-Dinitrotoluene
Concen: 20.32 ug/ml
RT: 6.695 min Scan# 1715
Delta R.T. -0.008 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:165 Resp: 21111

Ion	Ratio	Lower	Upper
165	100		
63	43.0	24.1	64.1
89	85.2	56.6	96.6

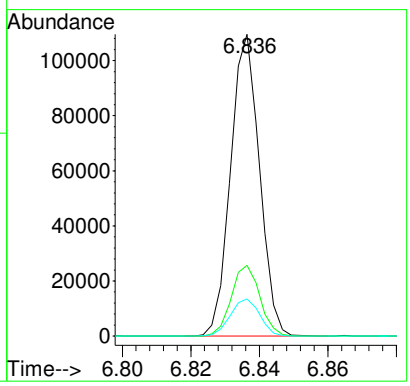


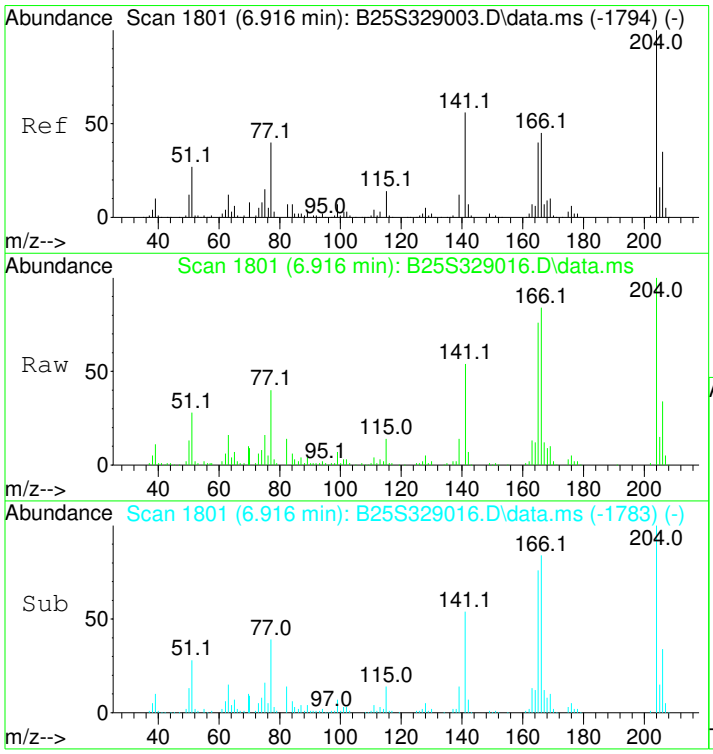


#54
DIETHYL PHTHALATE
Concen: 20.25 ug/ml
RT: 6.836 min Scan# 1770
Delta R.T. -0.013 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:149 Resp: 64081

Ion	Ratio	Lower	Upper
149	100		
177	23.1	1.4	41.4
150	12.5	0.0	32.5

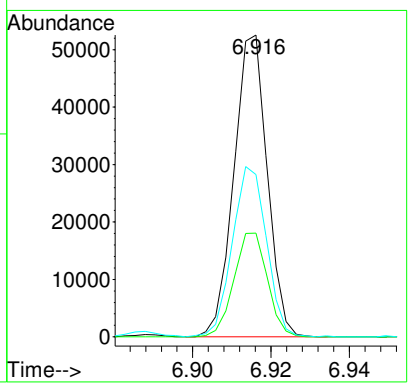


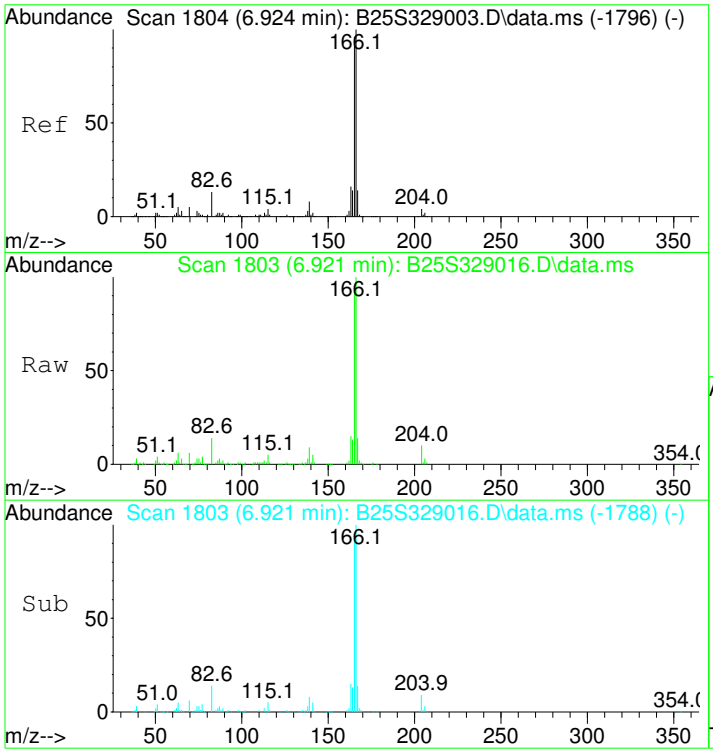


#55
4-Chlorophenyl phenyl ether
Concen: 19.57 ug/ml
RT: 6.916 min Scan# 1801
Delta R.T. -0.008 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:204 Resp: 31121

Ion	Ratio	Lower	Upper
204	100		
206	34.5	13.7	53.7
141	58.0	39.0	79.0

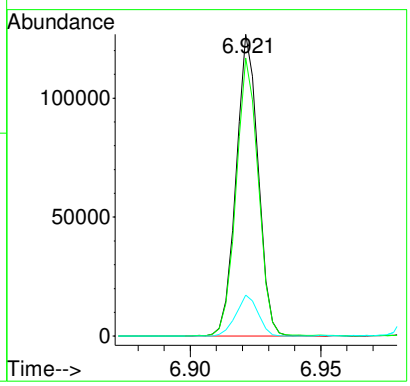


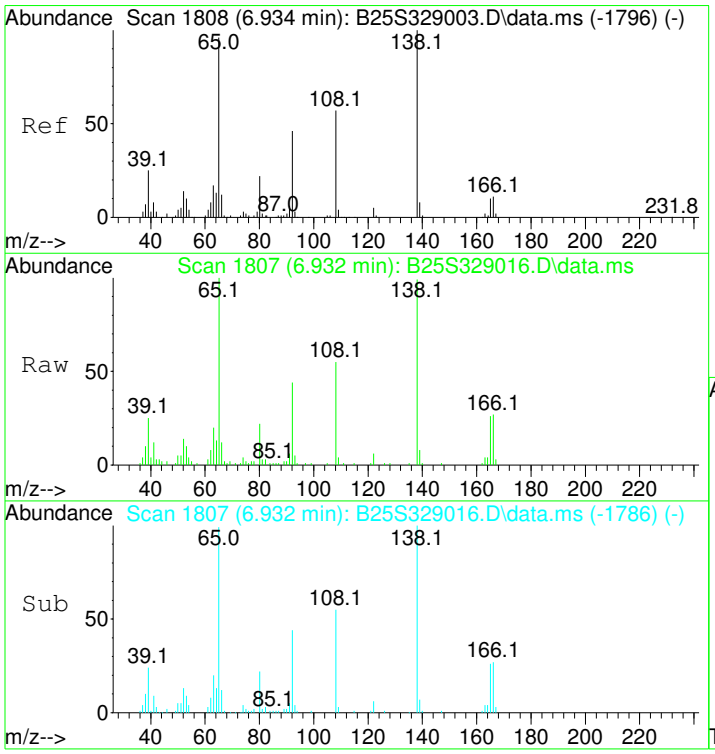


#56
Flourene
Concen: 20.05 ug/ml
RT: 6.921 min Scan# 1803
Delta R.T. -0.010 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:166 Resp: 75141

Ion	Ratio	Lower	Upper
166	100		
165	92.8	71.4	111.4
167	13.6	0.0	33.6

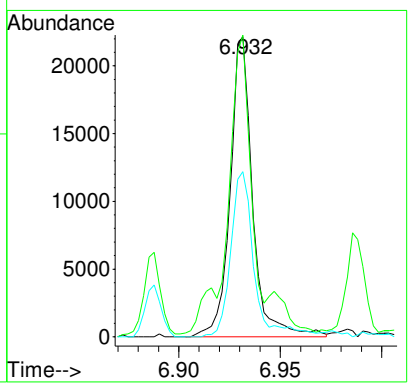


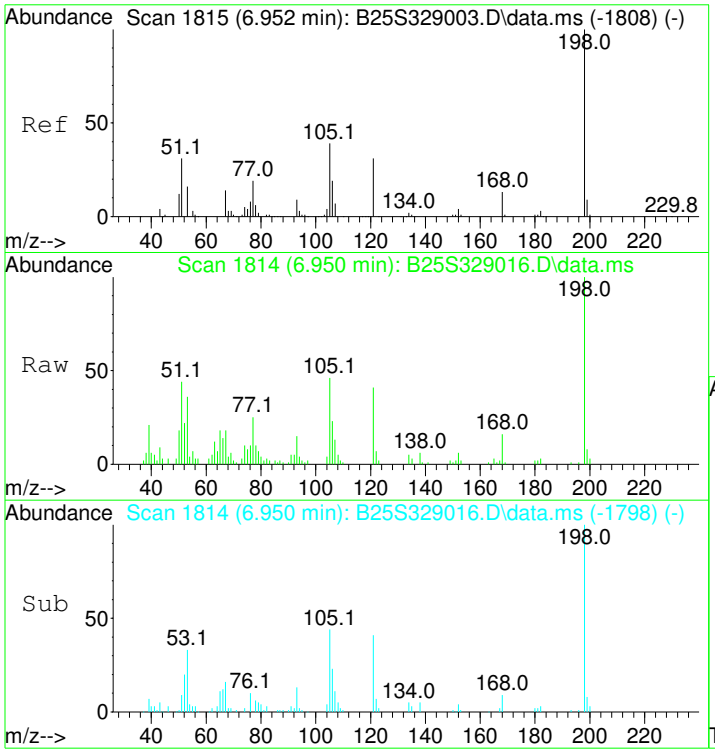


#57
4-Nitroaniline
Concen: 16.24 ug/ml
RT: 6.932 min Scan# 1807
Delta R.T. -0.008 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:138 Resp: 17051

Ion	Ratio	Lower	Upper
138	100		
65	100.7	72.9	112.9
108	56.6	38.9	78.9

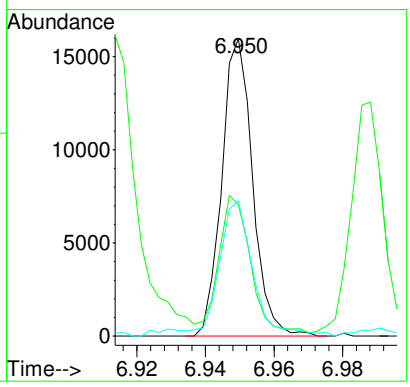


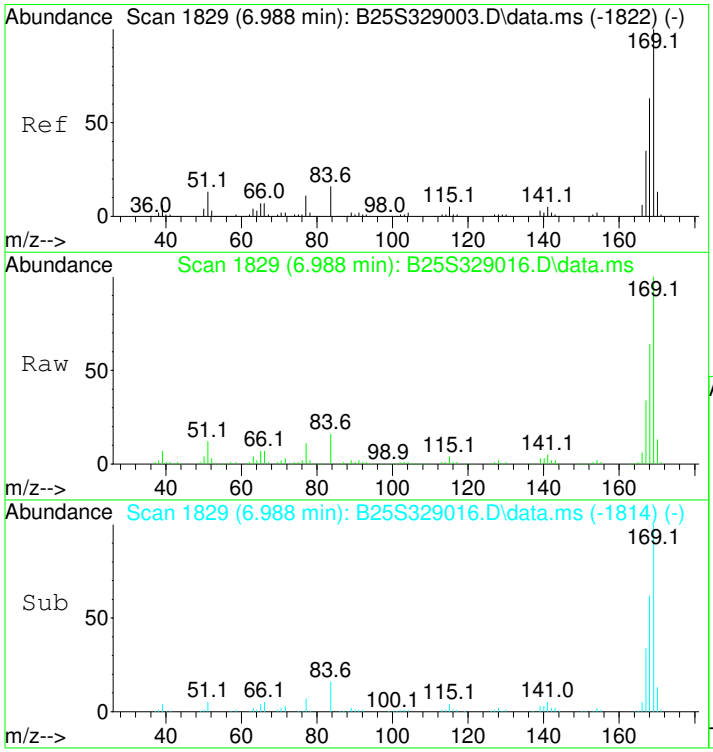


#59
4,6-Dinitro-2-Methylphenol
Concen: 20.61 ug/ml
RT: 6.950 min Scan# 1814
Delta R.T. -0.007 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:198 Resp: 9920

Ion	Ratio	Lower	Upper
198	100		
51	47.6	24.7	64.7
105	49.6	26.0	66.0

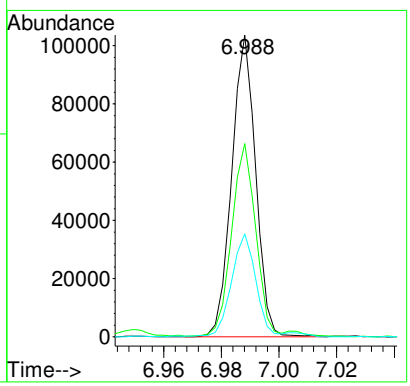


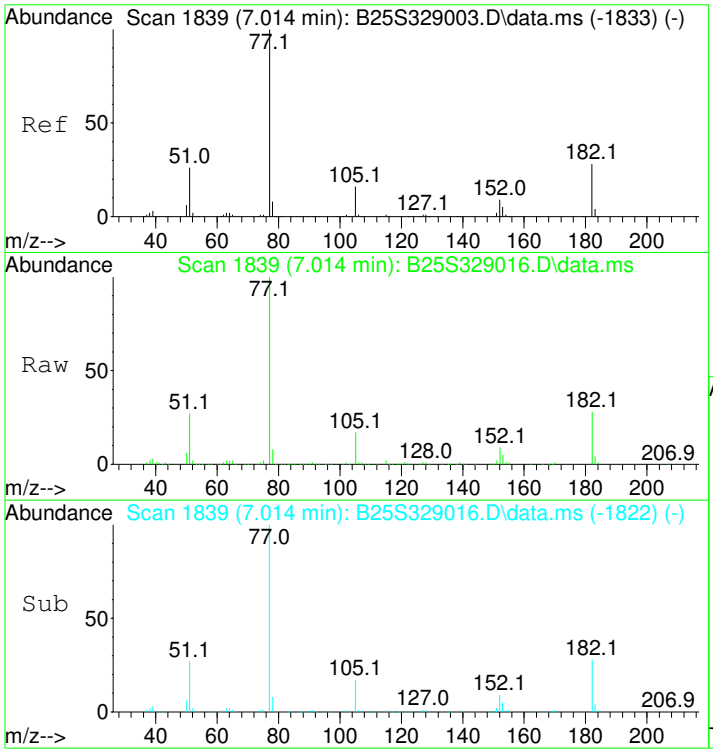


#60
N-Nitrosodiphenylamine
Concen: 19.29 ug/ml
RT: 6.988 min Scan# 1829
Delta R.T. -0.008 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:169 Resp: 59774

Ion	Ratio	Lower	Upper
169	100		
168	64.3	44.6	84.6
167	34.9	14.5	54.5

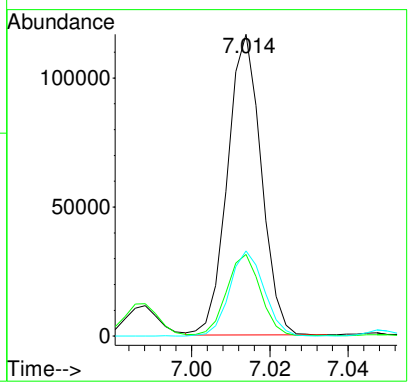


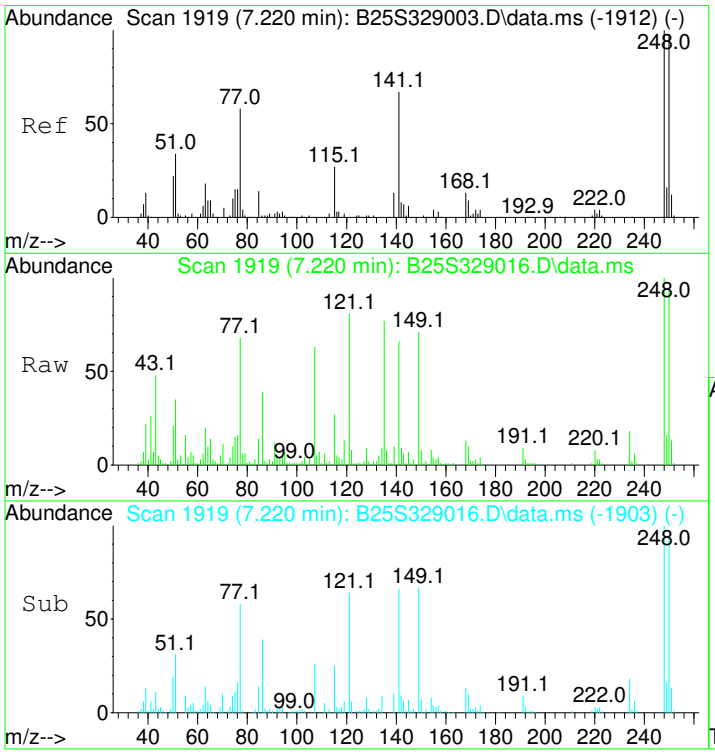


#61
1,2-Diphenylhydrazine
Concen: 18.71 ug/ml
RT: 7.014 min Scan# 1839
Delta R.T. -0.010 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion: 77 Resp: 69682

Ion	Ratio	Lower	Upper
77	100		
51	27.3	9.1	49.1
182	29.0	6.6	46.6

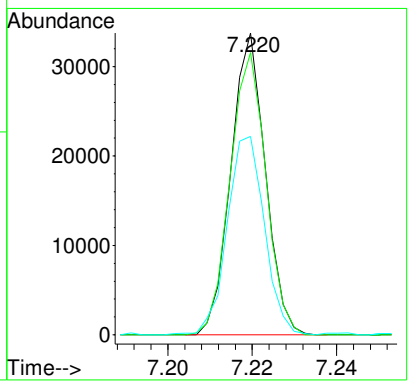


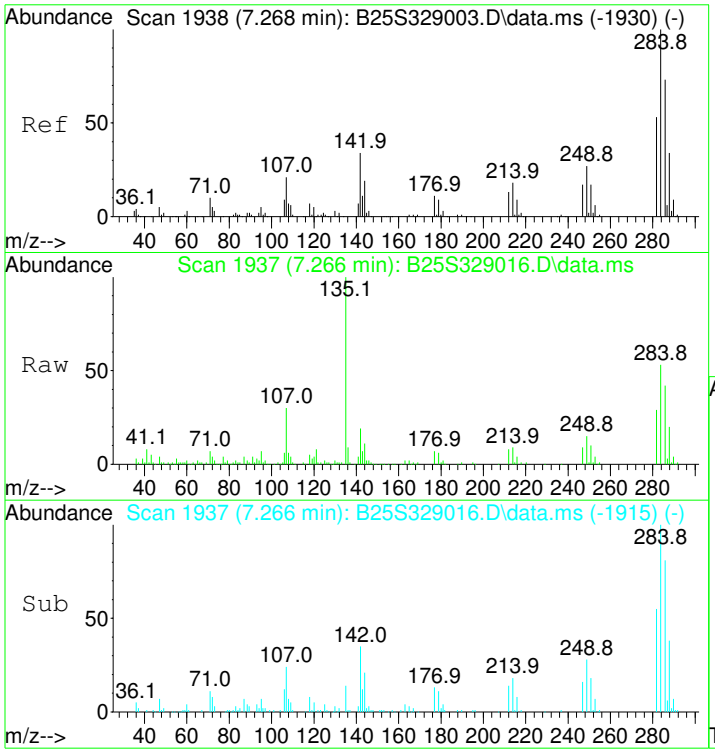


#62
4-Bromophenyl phenyl ether
Concen: 19.84 ug/ml
RT: 7.220 min Scan# 1919
Delta R.T. -0.008 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:248 Resp: 19093

Ion	Ratio	Lower	Upper
248	100		
250	97.3	78.8	118.8
141	71.2	54.0	94.0

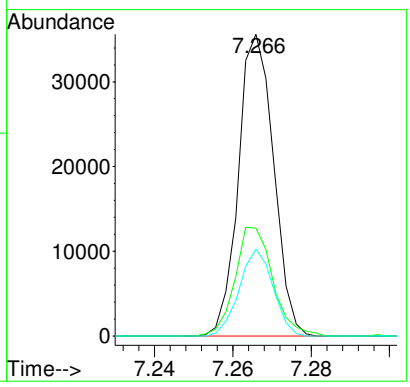


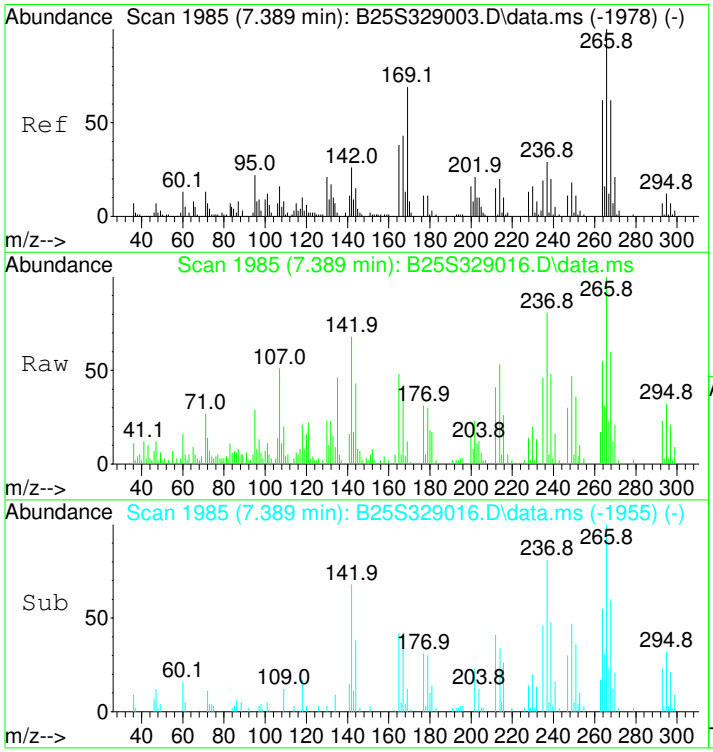


#63
Hexachlorobenzene
Concen: 20.83 ug/ml
RT: 7.266 min Scan# 1937
Delta R.T. -0.008 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:284 Resp: 22236

Ion	Ratio	Lower	Upper
284	100		
142	38.8	22.0	62.0
249	27.6	9.2	49.2

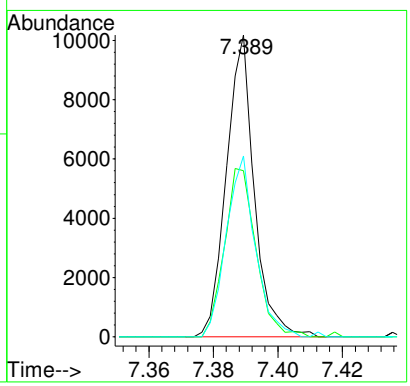


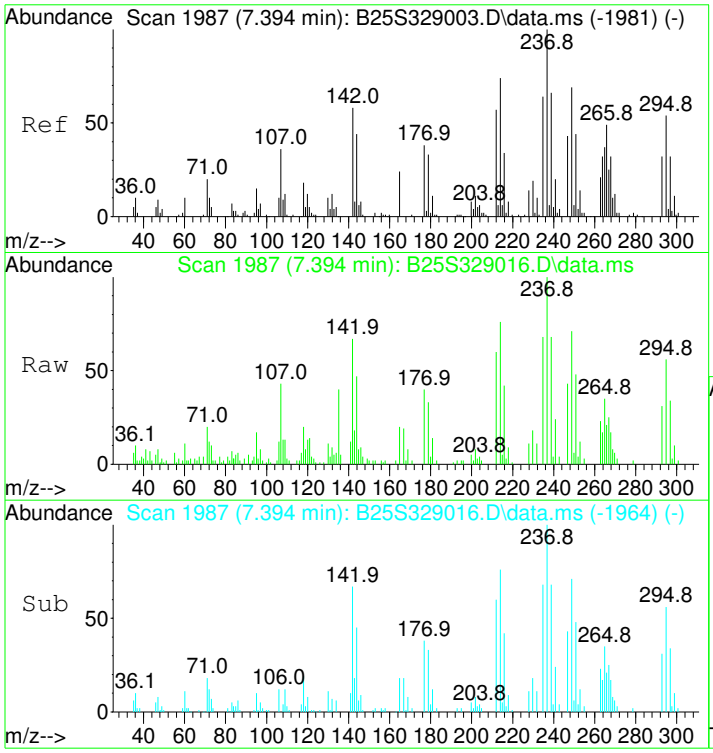


#64
Pentachlorophenol
Concen: 8.48 ug/ml
RT: 7.389 min Scan# 1985
Delta R.T. -0.002 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:266 Resp: 6094

Ion	Ratio	Lower	Upper
266	100		
264	63.0	42.4	82.4
268	62.5	42.9	82.9

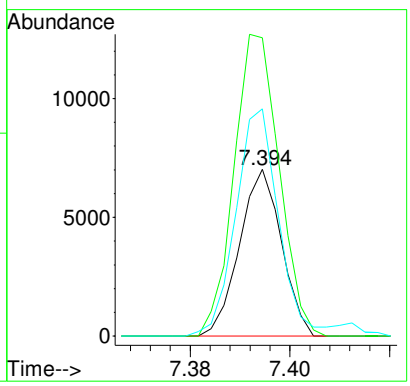


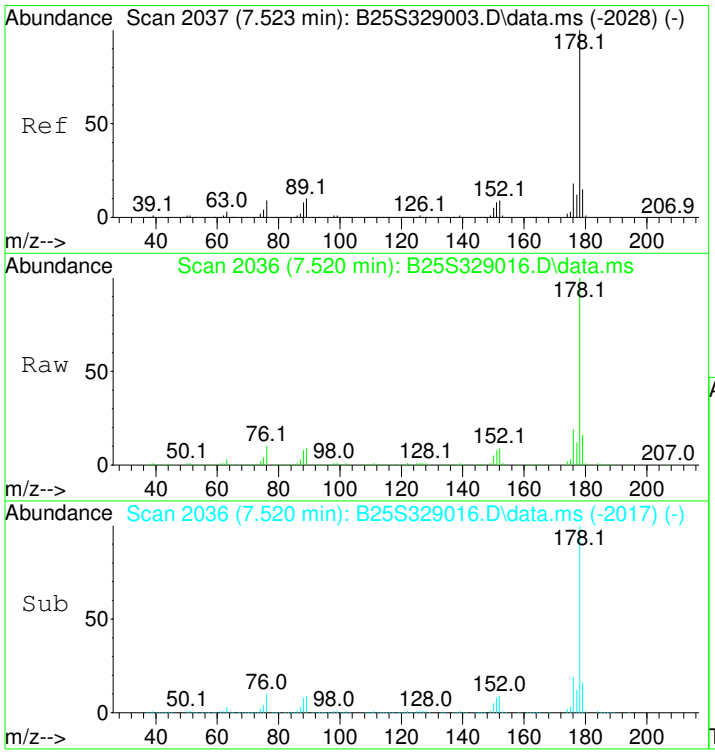


#65
Pentachloronitrobenzene
Concen: 22.05 ug/ml
RT: 7.394 min Scan# 1987
Delta R.T. -0.008 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:295 Resp: 4109

Ion	Ratio	Lower	Upper
295	100		
237	194.5	205.3	245.3#
214	138.9	130.6	170.6

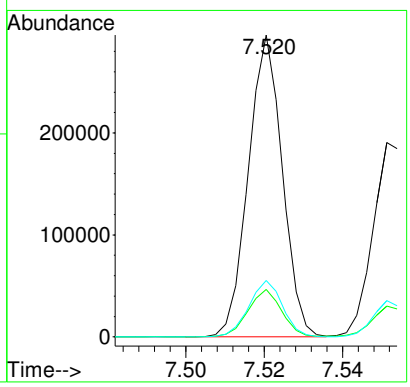


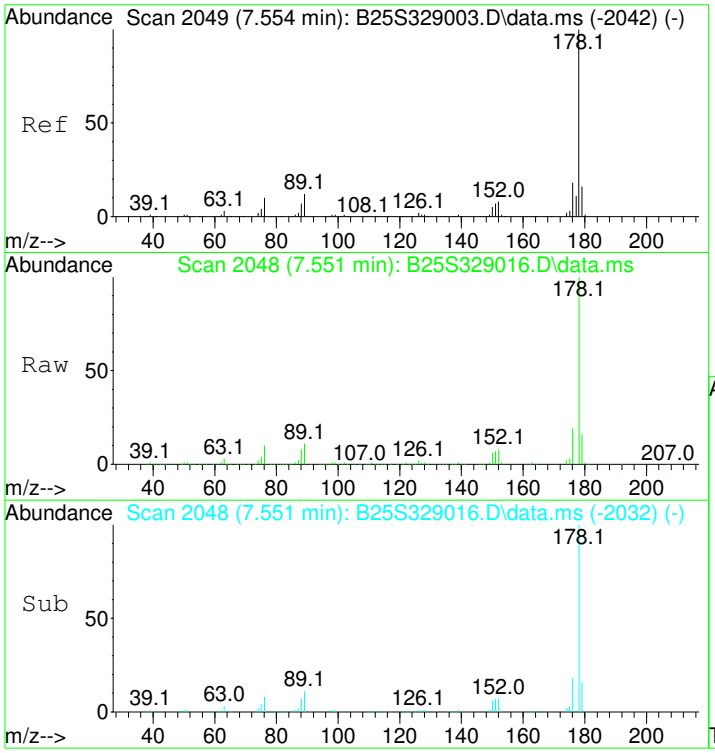


#66
Phenanthrene
Concen: 31.88 ug/ml
RT: 7.520 min Scan# 2036
Delta R.T. -0.008 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:178 Resp: 178696

Ion	Ratio	Lower	Upper
178	100		
179	15.7	0.0	35.5
176	18.5	0.0	39.0

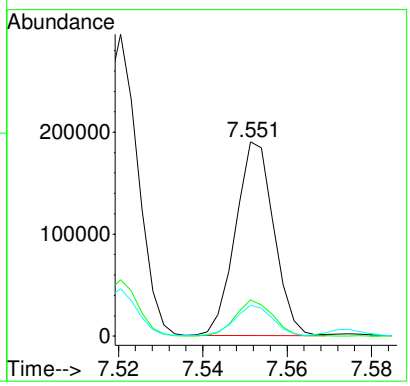


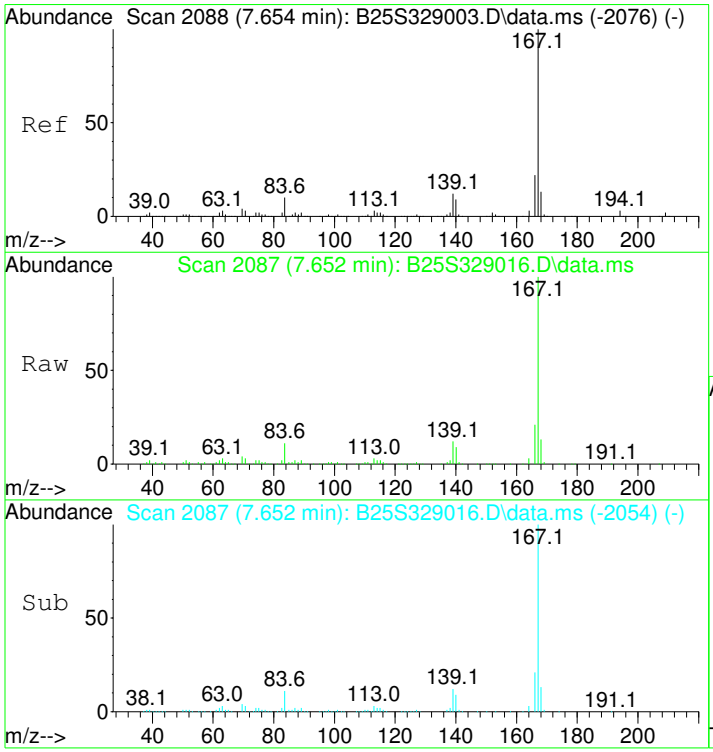


#67
Anthracene
Concen: 21.38 ug/ml
RT: 7.551 min Scan# 2048
Delta R.T. -0.010 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:178 Resp: 119870

Ion	Ratio	Lower	Upper
178	100		
176	18.2	0.0	38.3
179	15.4	0.0	35.5

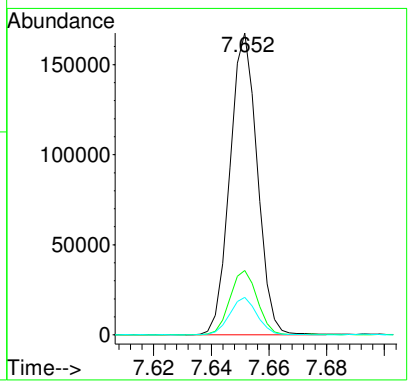


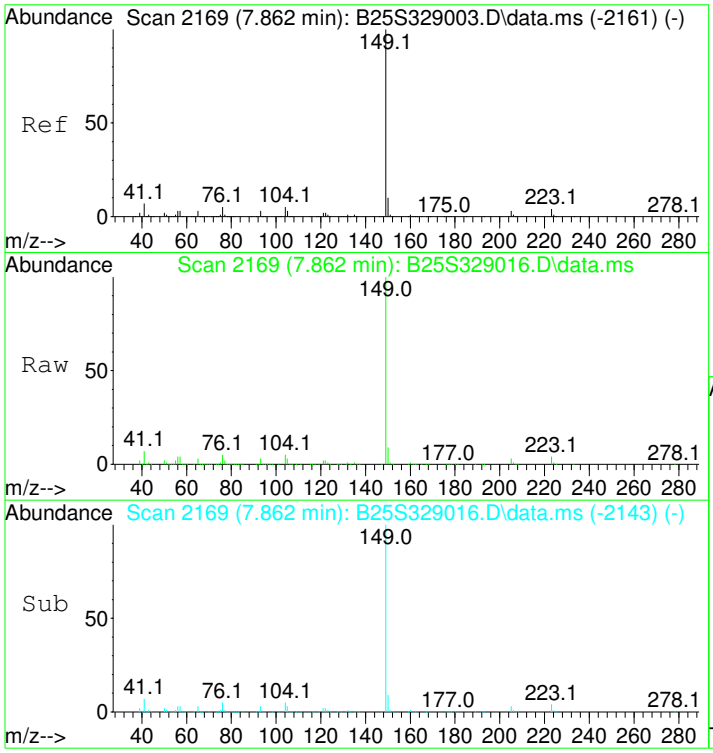


#68
Carbazole
Concen: 21.20 ug/ml
RT: 7.652 min Scan# 2087
Delta R.T. -0.005 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:167 Resp: 110427

Ion	Ratio	Lower	Upper
167	100		
166	21.4	1.9	41.9
139	12.5	0.0	33.5

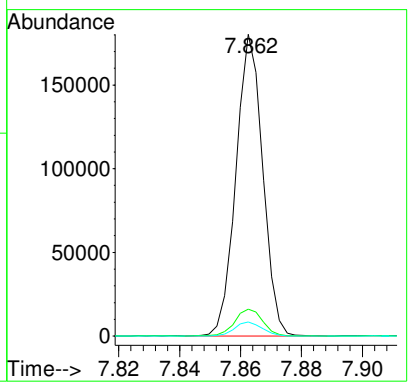


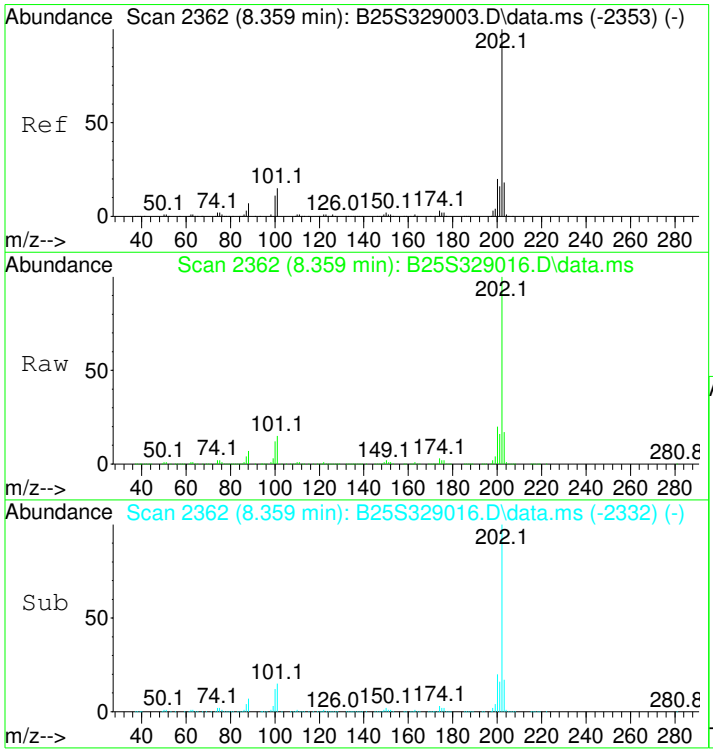


#69
Di-N-Butyl Phthalate
Concen: 21.72 ug/ml
RT: 7.862 min Scan# 2169
Delta R.T. -0.010 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:149 Resp: 110527

Ion	Ratio	Lower	Upper
149	100		
150	9.4	0.0	29.3
104	4.8	0.0	25.2

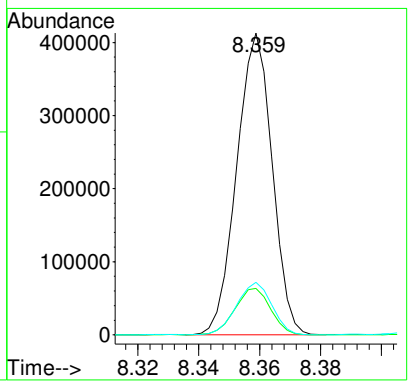


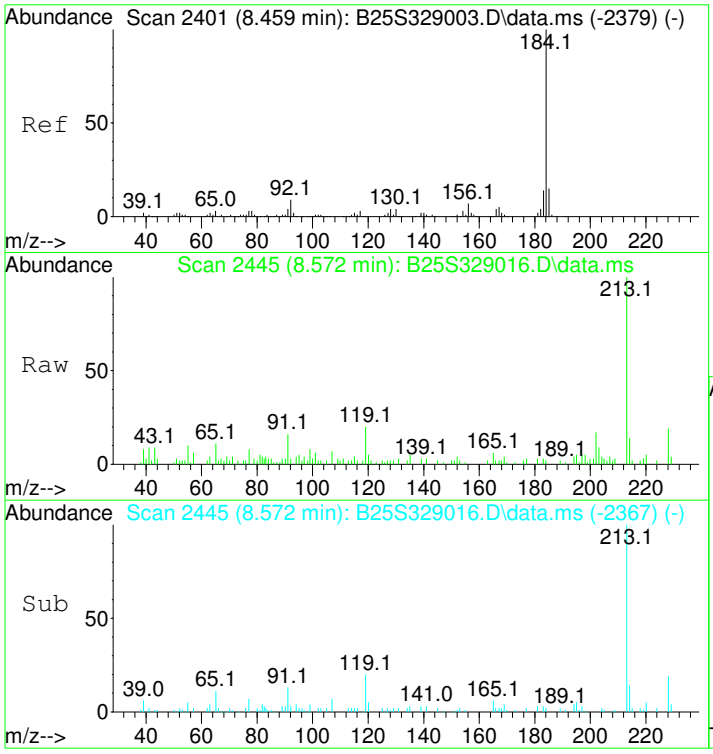


#70
Flouranthene
Concen: 60.13 ug/ml
RT: 8.359 min Scan# 2362
Delta R.T. -0.008 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:202 Resp: 333166

Ion	Ratio	Lower	Upper
202	100		
101	15.6	0.0	36.2
203	17.4	0.0	37.5

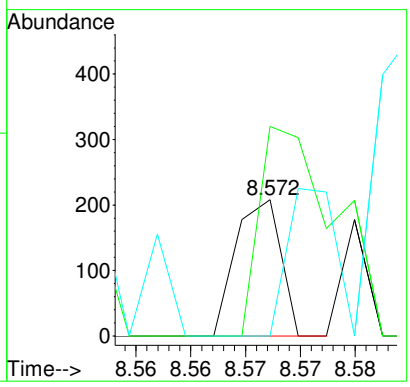


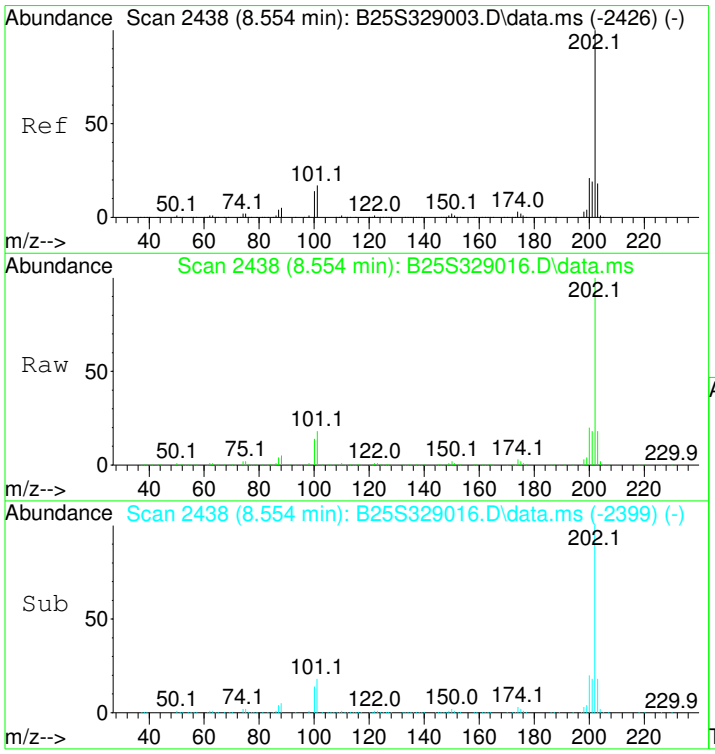


#73
Benzidine
Concen: Below Cal
RT: 8.572 min Scan# 2445
Delta R.T. 0.106 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:184 Resp: 60

Ion	Ratio	Lower	Upper
184	100		
92	256.7	0.0	26.6#
185	0.0	0.0	33.9

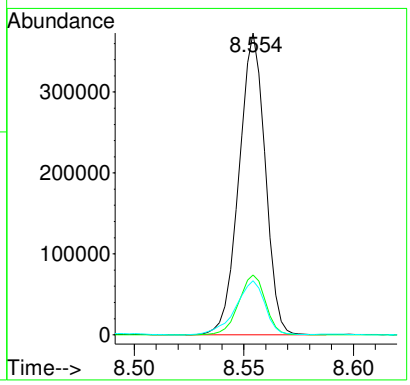


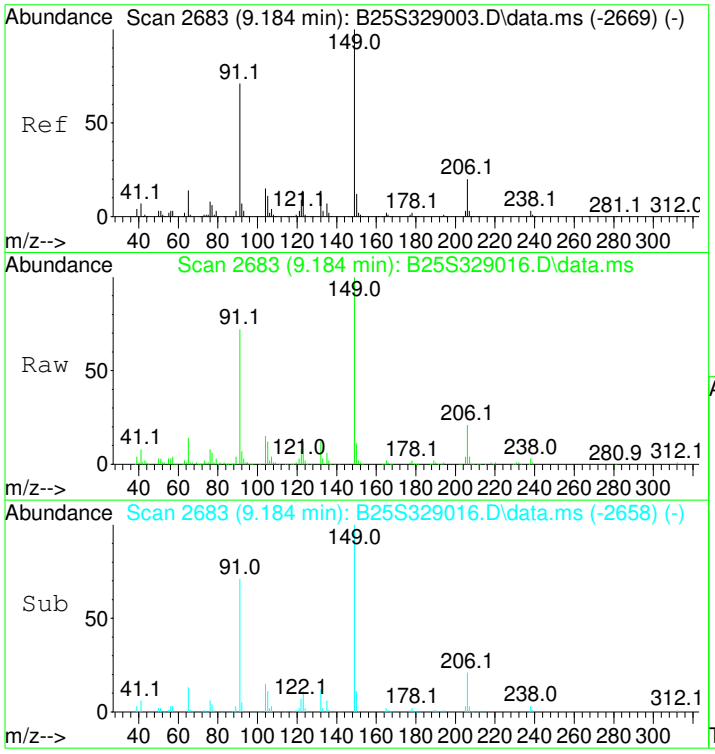


#74
Pyrene
Concen: 44.19 ug/ml
RT: 8.554 min Scan# 2438
Delta R.T. -0.008 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:202 Resp: 308735

Ion	Ratio	Lower	Upper
202	100		
200	20.2	0.1	40.1
203	20.3	0.0	38.1

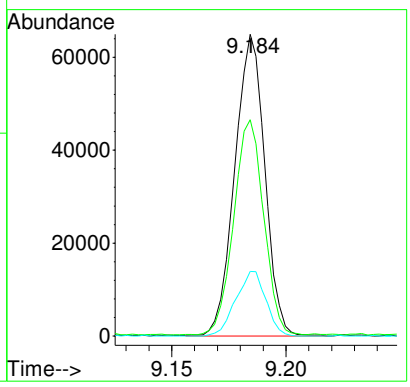


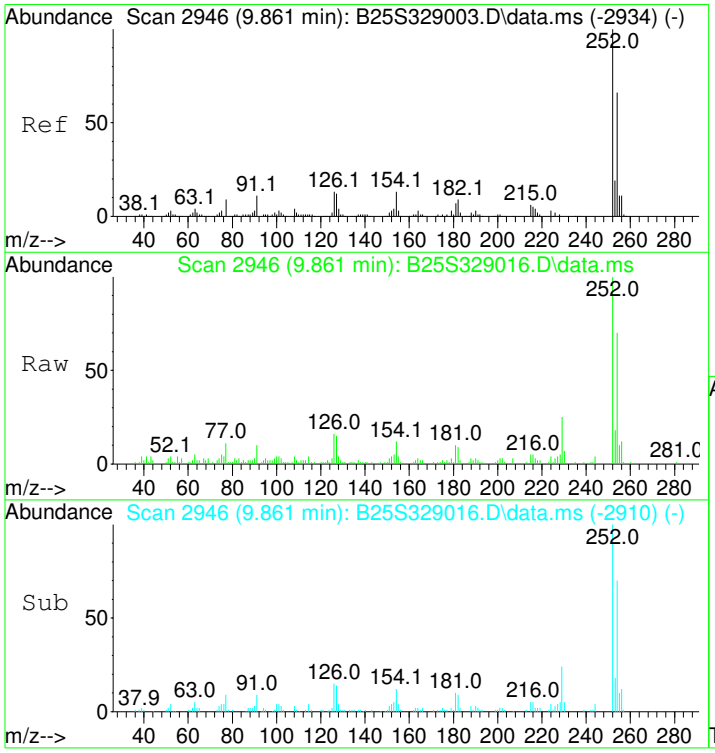


#75
Butylbenzyl phthalate
Concen: 23.34 ug/ml
RT: 9.184 min Scan# 2683
Delta R.T. -0.013 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:149 Resp: 59537

Ion	Ratio	Lower	Upper
149	100		
91	70.8	42.5	82.5
206	21.4	0.2	40.2

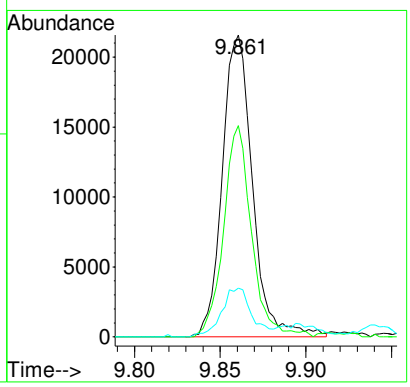


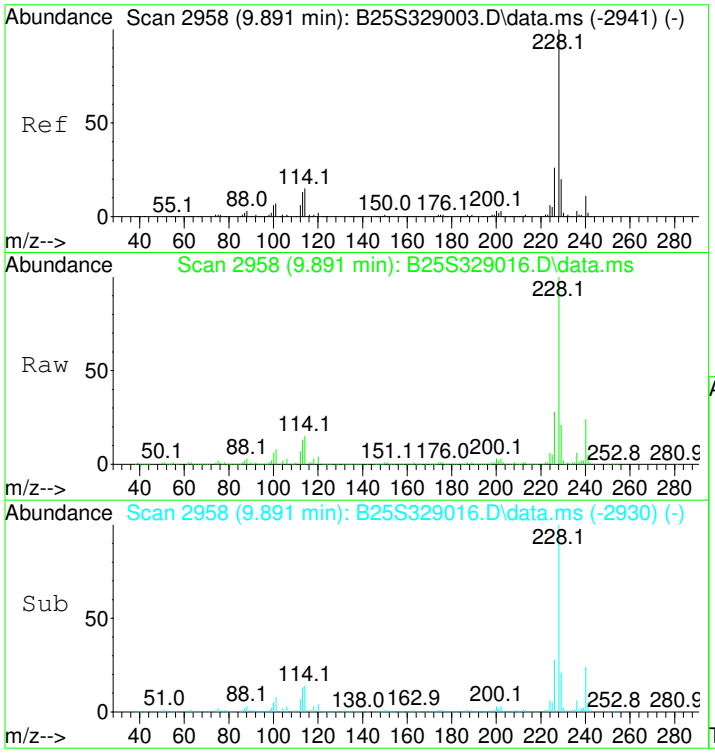


#76
3,3'-Dichlorobenzidine
Concen: 13.23 ug/ml
RT: 9.861 min Scan# 2946
Delta R.T. -0.008 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:252 Resp: 26470

Ion	Ratio	Lower	Upper
252	100		
254	64.5	46.1	86.1
126	16.2	0.0	33.8

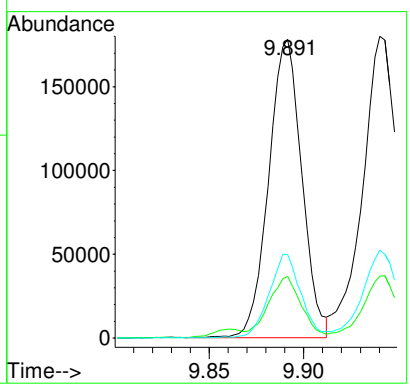


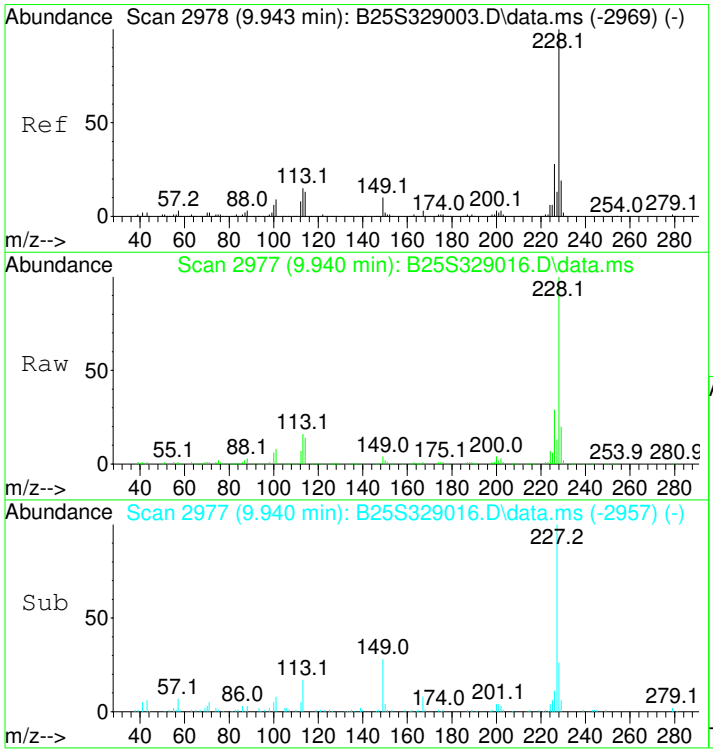


#77
Benzo(a)anthracene
Concen: 33.67 ug/ml
RT: 9.891 min Scan# 2958
Delta R.T. -0.010 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:228 Resp: 216429

Ion	Ratio	Lower	Upper
228	100		
229	18.7	0.0	38.9
226	27.3	4.9	44.9

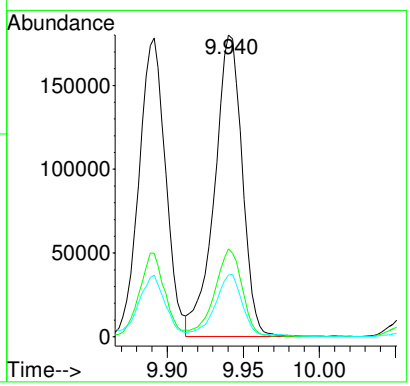


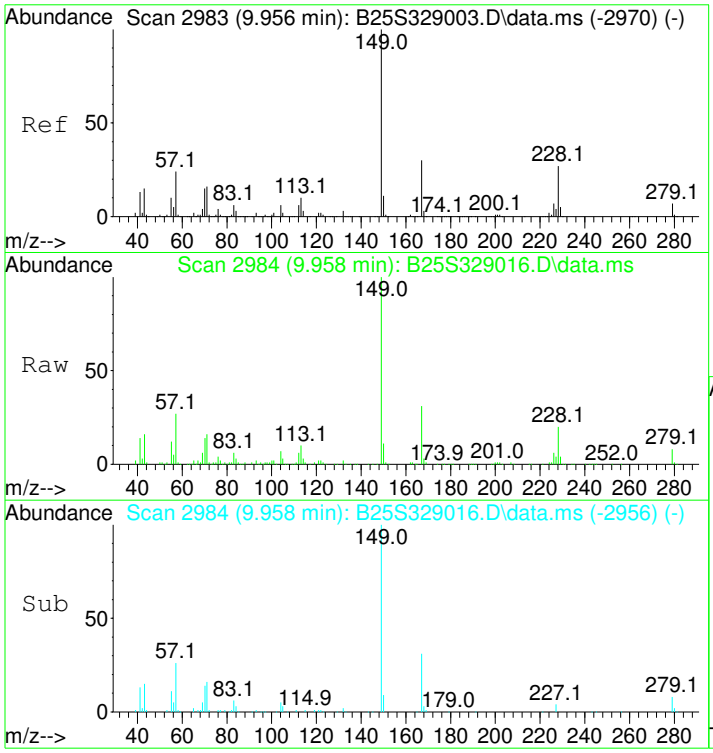


#78
Chrysene
Concen: 35.76 ug/ml
RT: 9.940 min Scan# 2977
Delta R.T. -0.013 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:228 Resp: 227241

Ion	Ratio	Lower	Upper
228	100		
226	28.8	8.1	48.1
229	19.2	0.0	38.9

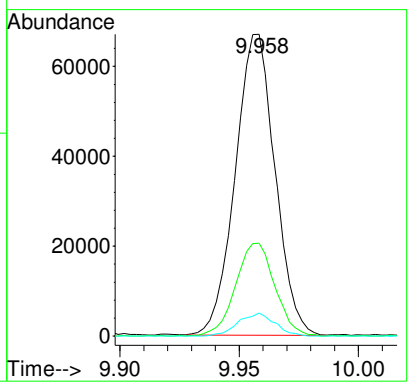


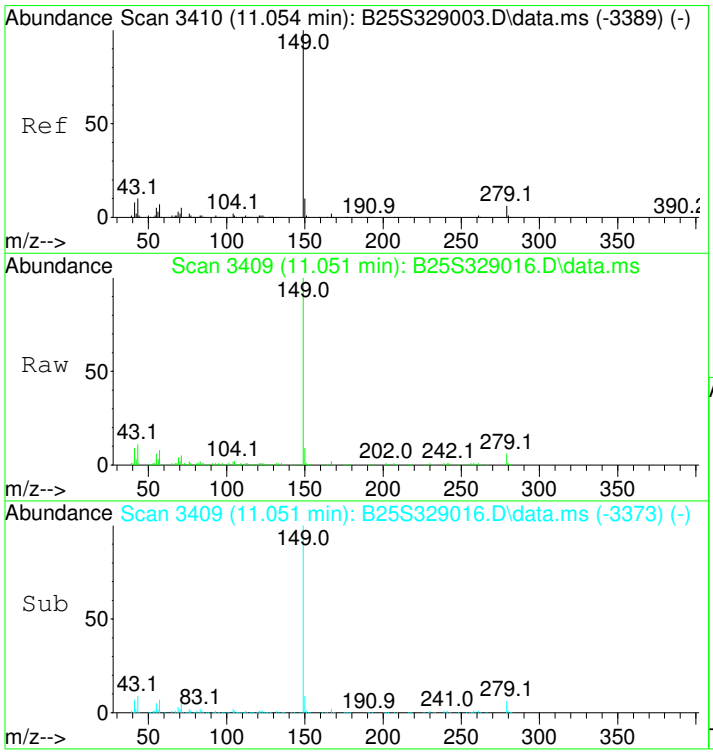


#79
Bis(2-ethylhexyl)phthalate
Concen: 26.58 ug/ml
RT: 9.958 min Scan# 2984
Delta R.T. -0.018 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:149 Resp: 77675

Ion	Ratio	Lower	Upper
149	100		
167	30.5	10.2	50.2
279	7.1	0.0	27.3

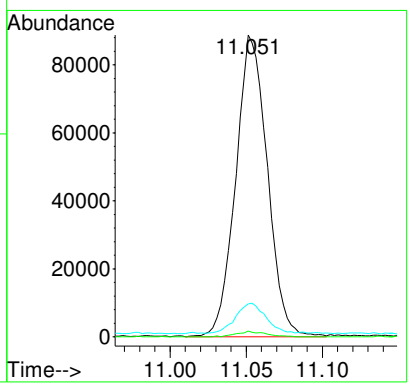


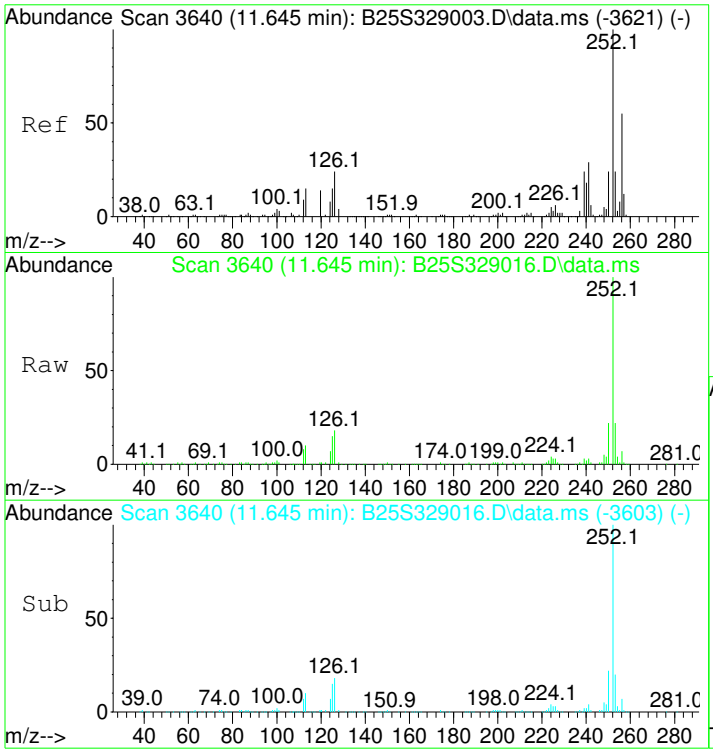


#81
Di-n-octylphthalate
Concen: 33.19 ug/ml
RT: 11.051 min Scan# 3409
Delta R.T. -0.020 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:149 Resp: 128433

Ion	Ratio	Lower	Upper
149	100		
167	1.7	0.0	21.7
43	9.7	0.0	28.1

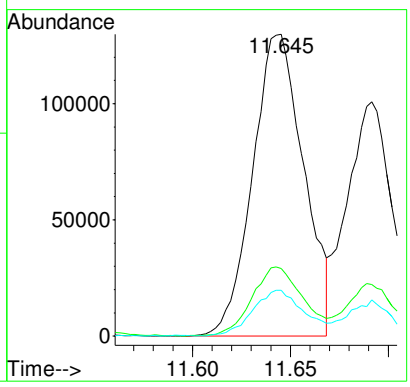


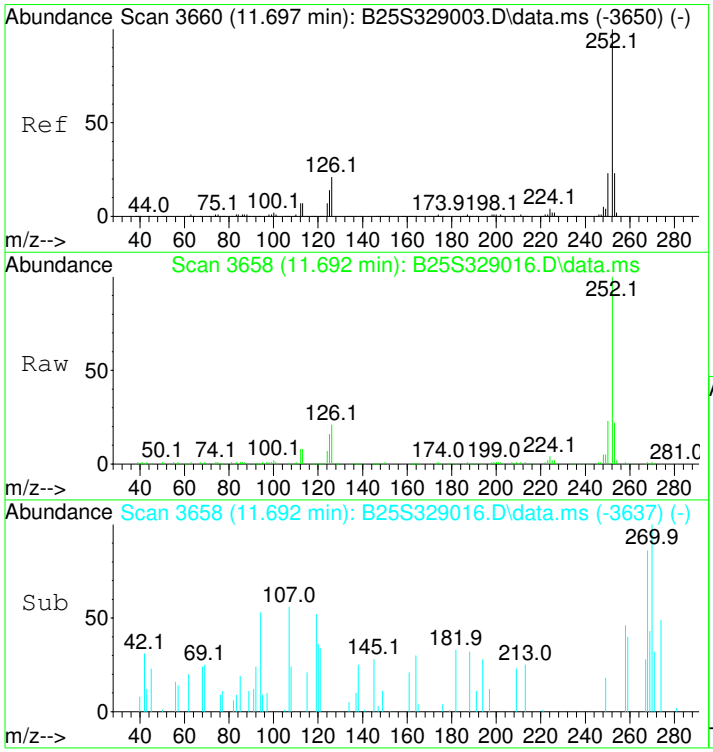


#82
Benzo(b)fluoranthene
Concen: 48.75 ug/ml
RT: 11.645 min Scan# 3640
Delta R.T. -0.008 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:252 Resp: 235983

Ion	Ratio	Lower	Upper
252	100		
253	22.8	2.2	42.2
125	15.2	0.0	34.5

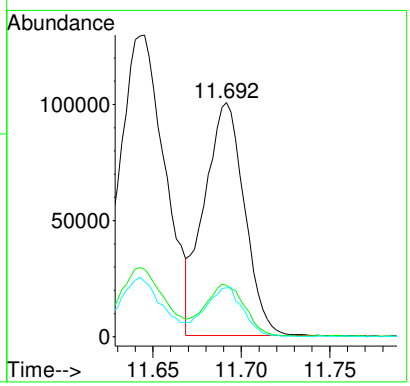


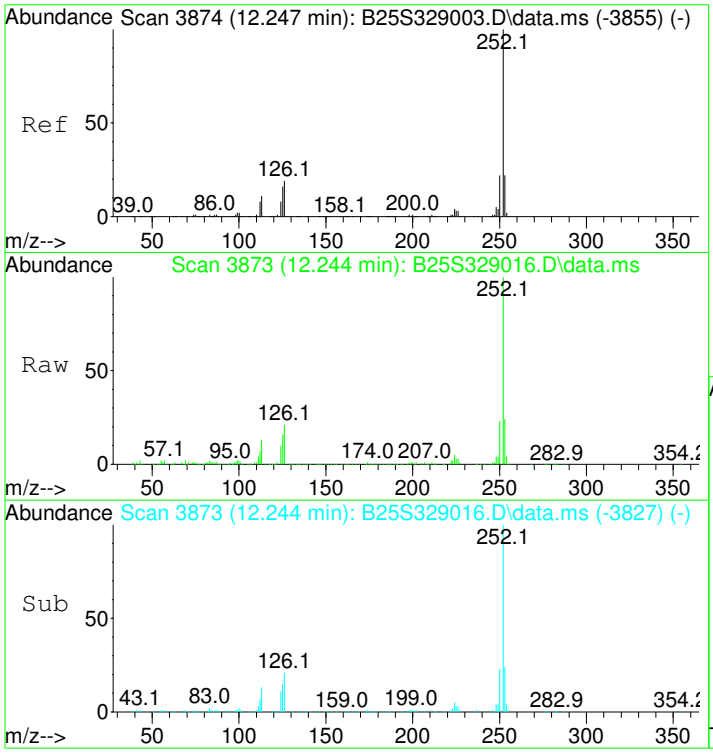


#83
Benzo(k)fluoranthene
Concen: 33.08 ug/ml
RT: 11.692 min Scan# 3658
Delta R.T. -0.013 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:252 Resp: 158935

Ion	Ratio	Lower	Upper
252	100		
253	22.4	0.7	40.7
126	19.2	0.0	39.4

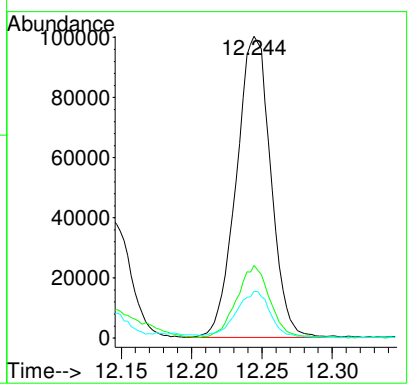


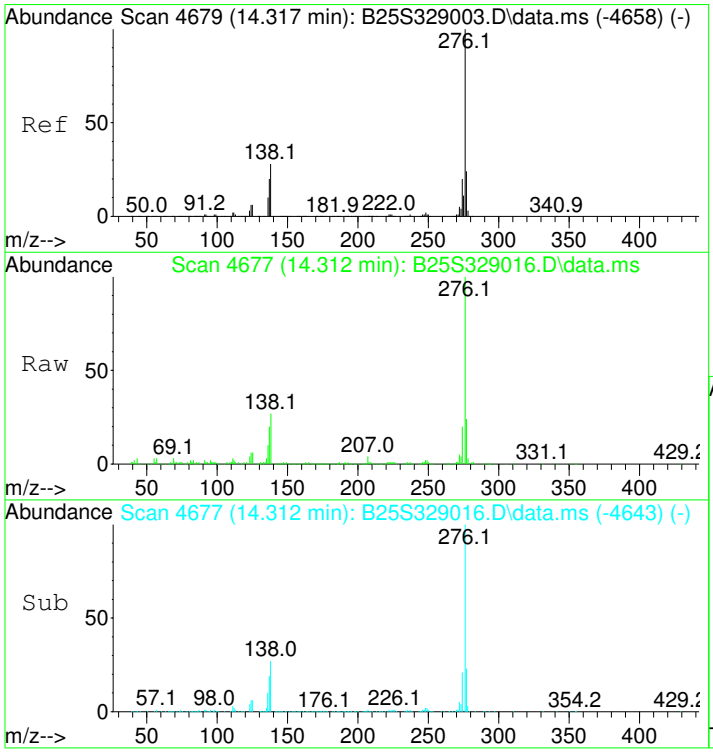


#84
Benzo(a)pyrene
Concen: 37.95 ug/ml
RT: 12.244 min Scan# 3873
Delta R.T. -0.008 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:252 Resp: 170261

Ion	Ratio	Lower	Upper
252	100		
253	22.9	0.4	40.4
125	15.2	0.0	34.0

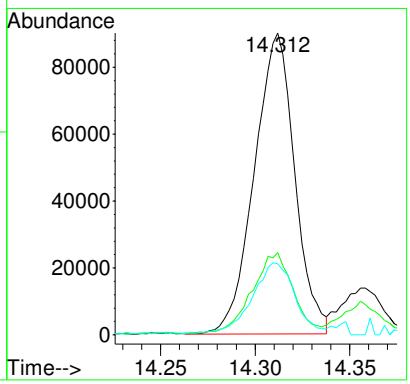


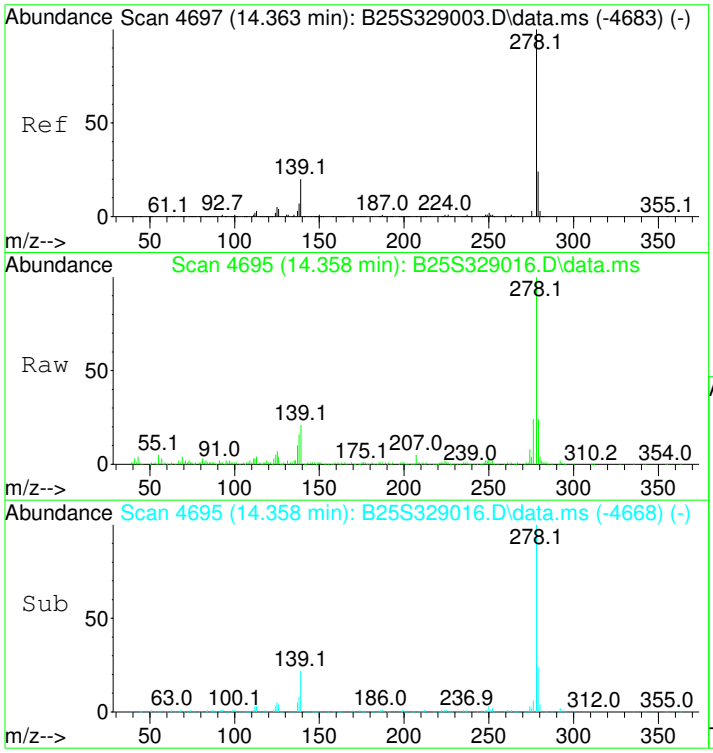


#85
Indeno(1,2,3-cd)pyrene
Concen: 33.44 ug/ml
RT: 14.312 min Scan# 4677
Delta R.T. -0.002 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:276 Resp: 133525

Ion	Ratio	Lower	Upper
276	100		
138	27.4	5.0	45.0
277	24.6	4.1	44.1

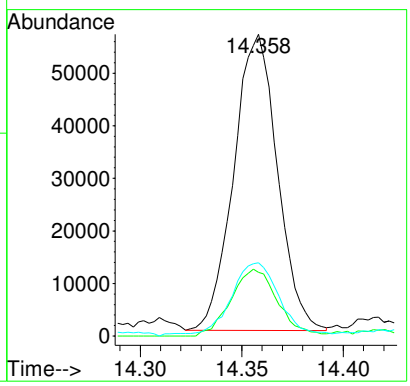


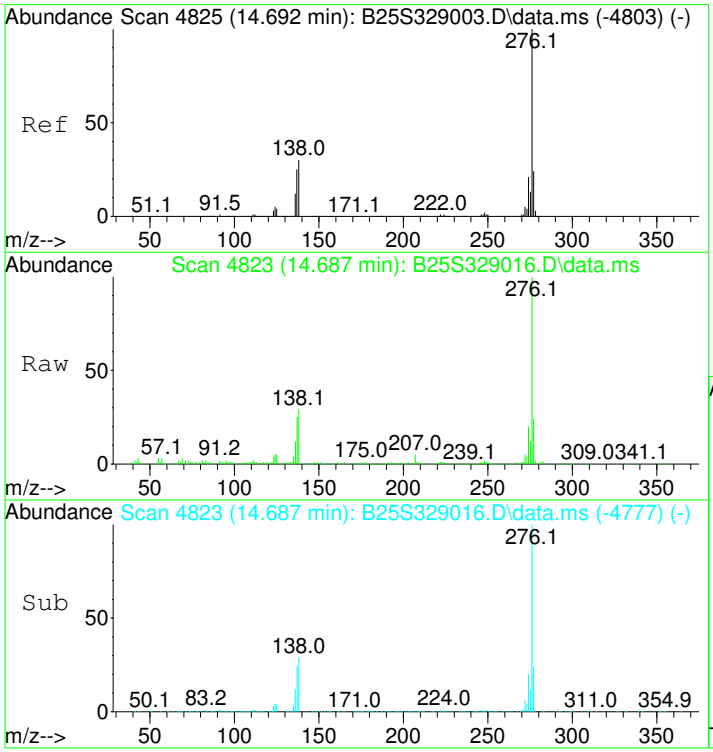


#86
Dibenz(a,h)anthracene
Concen: 20.11 ug/ml
RT: 14.358 min Scan# 4695
Delta R.T. -0.002 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:278 Resp: 84413

Ion	Ratio	Lower	Upper
278	100		
139	24.0	1.1	41.1
279	27.6	3.5	43.5

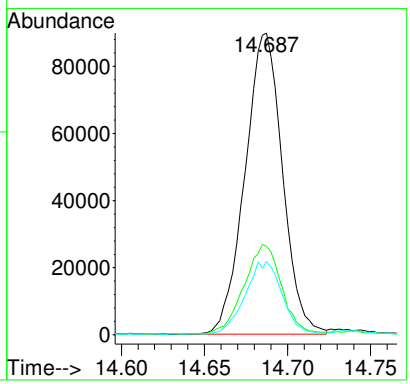


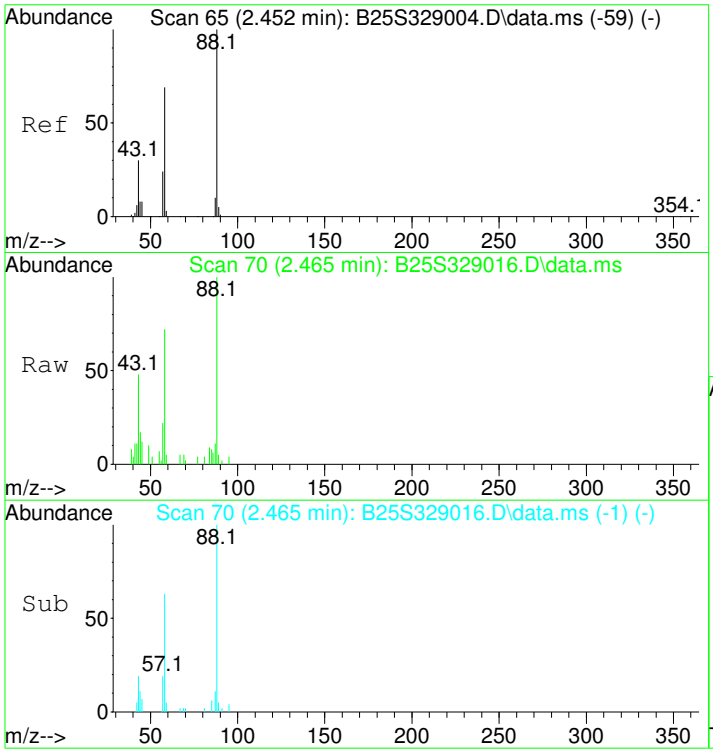


#87
Benzo(g,h,i)perylene
Concen: 31.84 ug/ml
RT: 14.687 min Scan# 4823
Delta R.T. 0.000 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:276 Resp: 141079

Ion	Ratio	Lower	Upper
276	100		
138	29.5	5.6	45.6
277	23.6	3.2	43.2

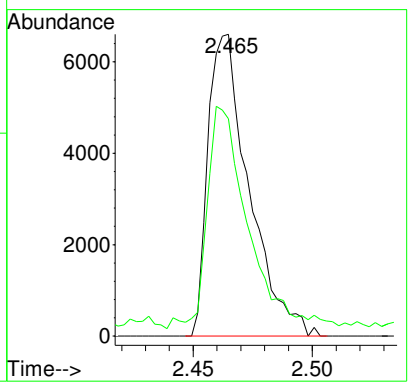


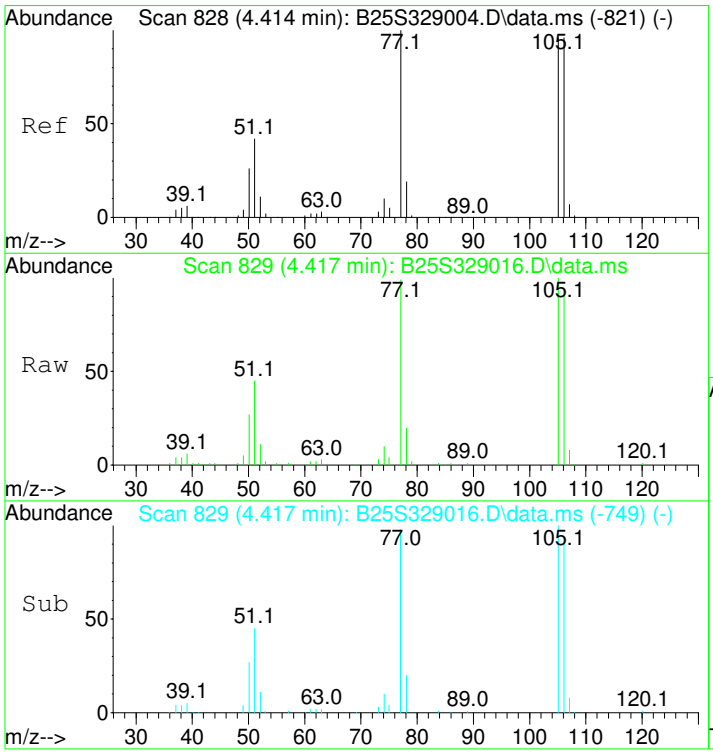


#89
1,4-Dioxane
Concen: 8.68 ug/ml
RT: 2.465 min Scan# 70
Delta R.T. 0.010 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion: 88 Resp: 7903

Ion	Ratio	Lower	Upper
88	100		
58	73.4	50.8	76.2

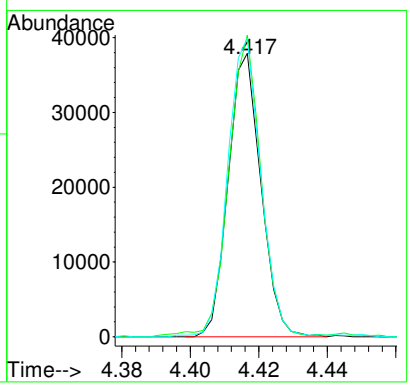


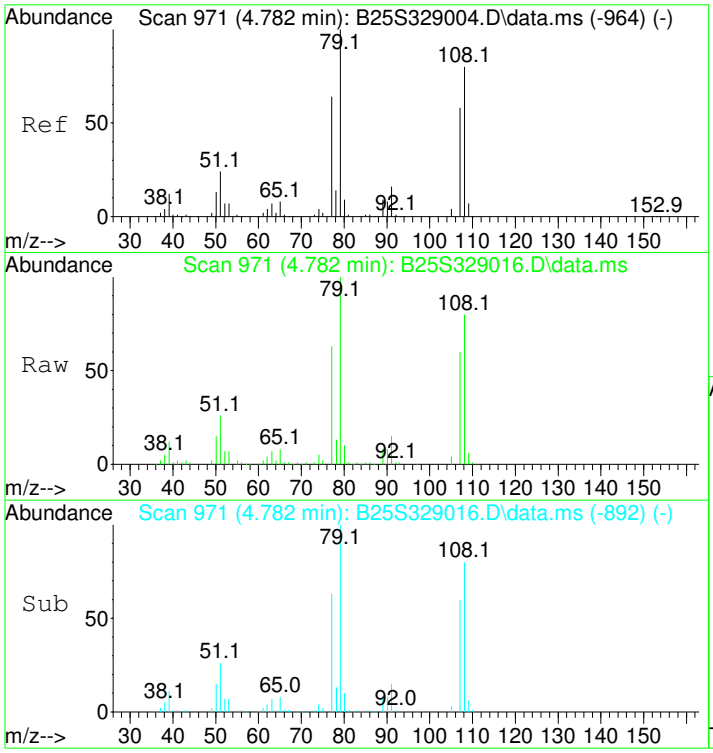


#90
Benzaldehyde
Concen: 14.03 ug/ml
RT: 4.417 min Scan# 829
Delta R.T. 0.005 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:106 Resp: 25034

Ion	Ratio	Lower	Upper
106	100		
105	105.4	79.4	119.2
77	107.2	81.3	121.9

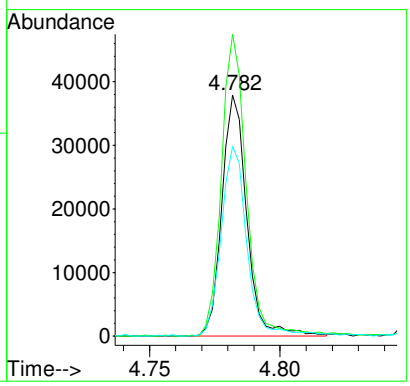


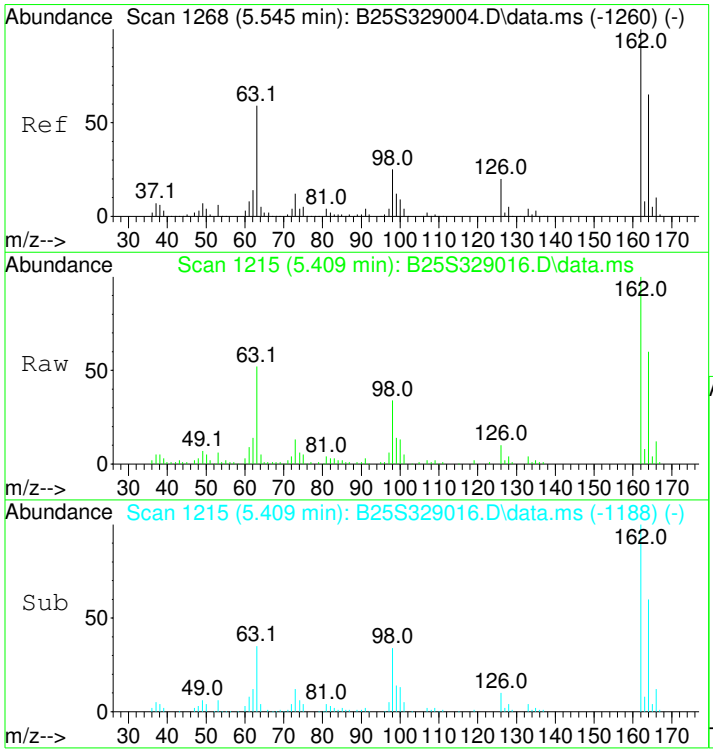


#91
Benzyl Alcohol
Concen: 19.85 ug/ml
RT: 4.782 min Scan# 971
Delta R.T. 0.004 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:108 Resp: 25331

Ion	Ratio	Lower	Upper
108	100		
79	125.9	97.3	145.9
77	82.3	62.1	93.1

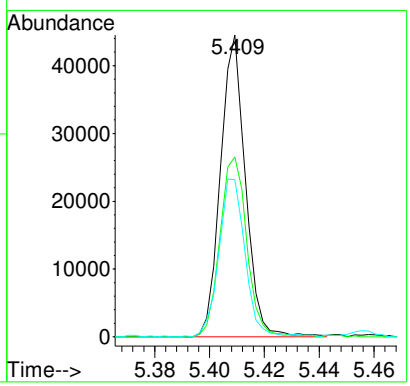


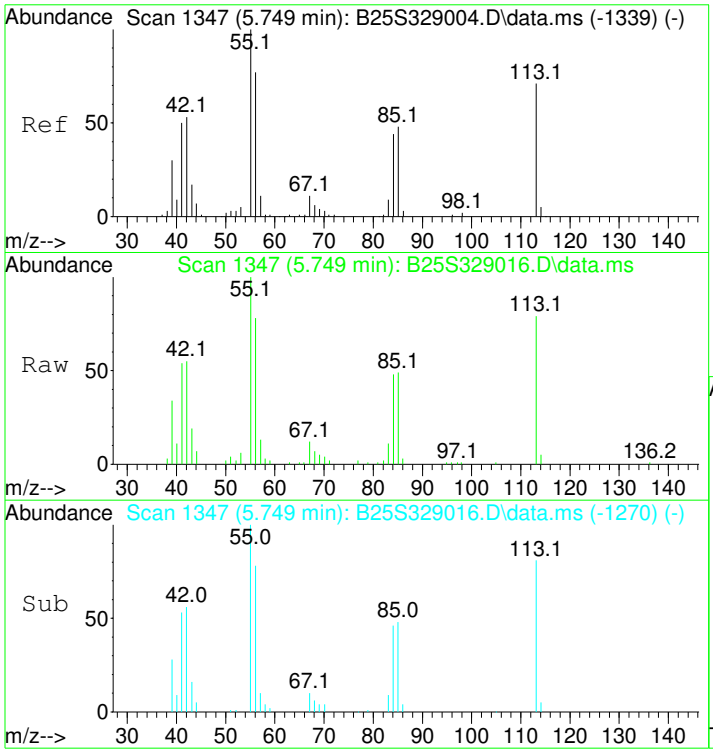


#93
2,6-Dichlorophenol
Concen: 16.97 ug/ml
RT: 5.409 min Scan# 1215
Delta R.T. -0.132 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:162 Resp: 28213

Ion	Ratio	Lower	Upper
162	100		
164	64.3	51.4	77.2
63	54.6	45.1	67.7

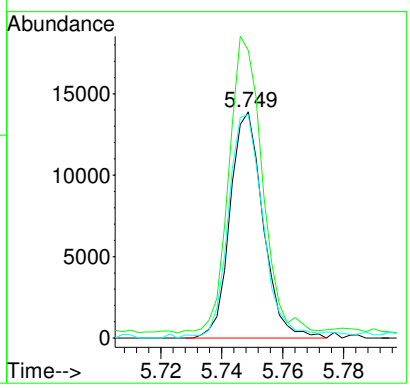


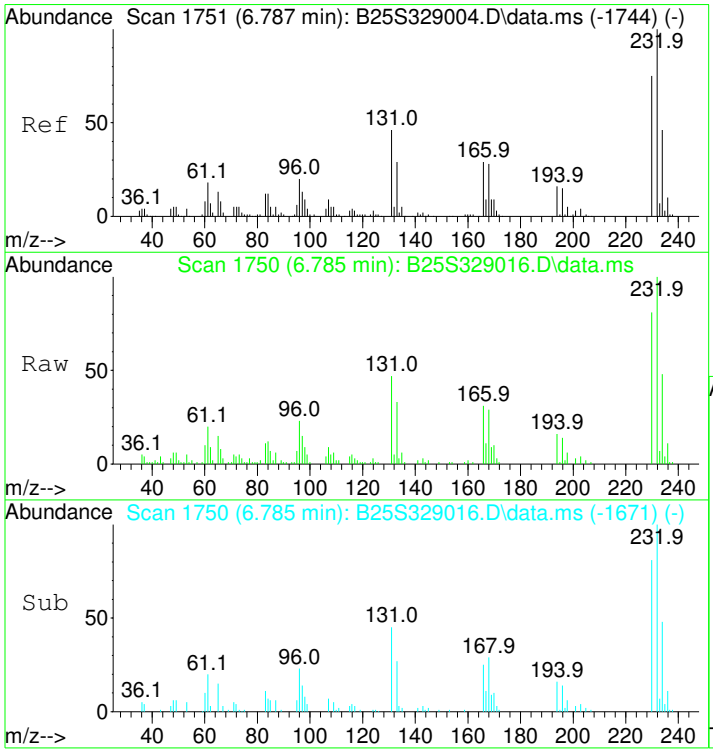


#94
Caprolactam
Concen: 16.75 ug/ml
RT: 5.749 min Scan# 1347
Delta R.T. -0.001 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:113 Resp: 10434

Ion	Ratio	Lower	Upper
113	100		
55	132.5	105.3	157.9
56	104.3	77.1	115.7

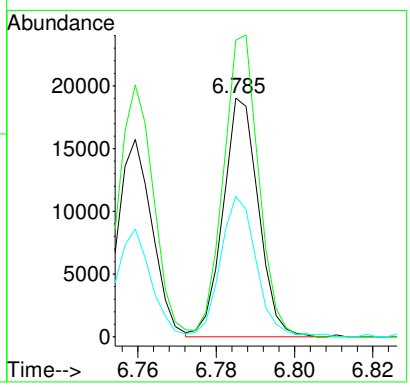


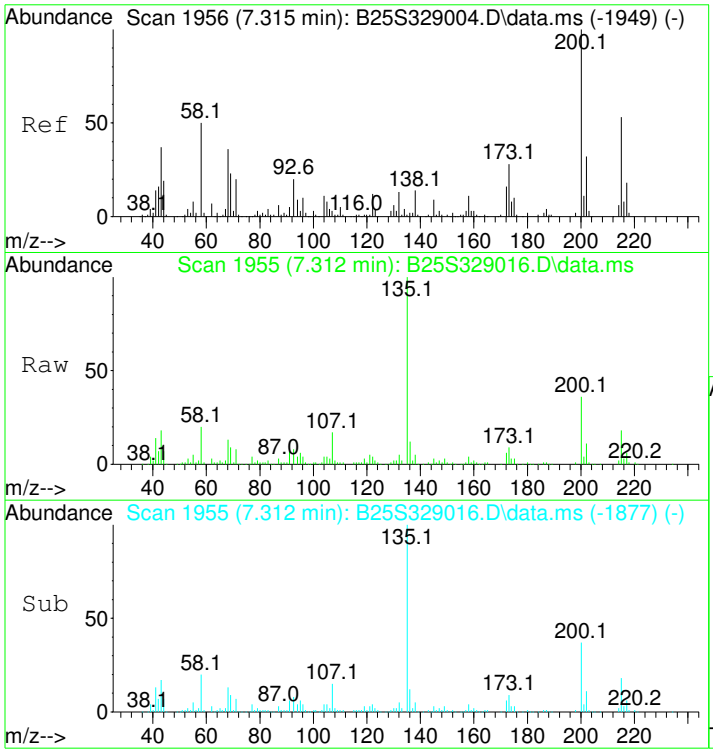


#96
2,3,4,6-Tetrachlorophenol
Concen: 17.45 ug/ml
RT: 6.785 min Scan# 1750
Delta R.T. 0.003 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:230 Resp: 11969

Ion	Ratio	Lower	Upper
230	100		
232	125.5	105.4	158.2
131	59.8	50.0	75.0

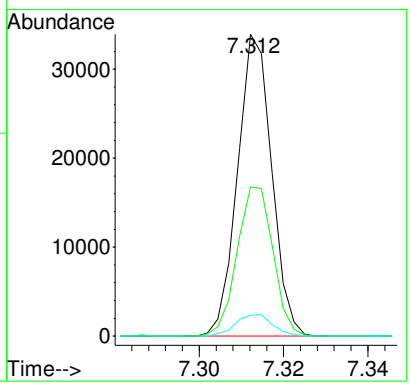




#97
Atrazine
Concen: 22.85 ug/ml
RT: 7.312 min Scan# 1955
Delta R.T. 0.000 min
Lab File: B25S329016.D
Acq: 25 Nov 2025 7:30 pm

Tgt Ion:200 Resp: 19009

Ion	Ratio	Lower	Upper
200	100		
215	52.1	44.2	66.4
216	7.7	6.2	9.2



1 - FORM I
ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Pace New England			Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B417963-MSD1	File ID:	B25S329017.D
Sampled:		Prepared:	11/21/25 07:21	Analyzed:	11/25/25 19:54
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.07 g / 1 mL				
Batch:	B417963	Sequence:	S129060	Calibration:	2500833
Instrument:	GCMSSV2				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol	0.875	0.058	0.82	
1912-24-9	Atrazine	1.11	0.057	0.82	V-06
100-52-7	Benzaldehyde	0.687	0.057	0.41	MS-09, V-34
92-52-4	Biphenyl	0.996	0.046	0.082	
105-60-2	Caprolactam	0.842	0.071	0.41	
83-32-9	Acenaphthene	0.921	0.0045	0.040	
208-96-8	Acenaphthylene	0.978	0.0051	0.040	
98-86-2	Acetophenone	0.837	0.043	0.41	
62-53-3	Aniline	0.335	0.078	0.41	MS-09, V-34, J
120-12-7	Anthracene	0.964	0.0046	0.040	
56-55-3	Benzo(a)anthracene	1.41	0.0063	0.040	
50-32-8	Benzo(a)pyrene	1.60	0.014	0.040	
205-99-2	Benzo(b)fluoranthene	1.81	0.010	0.040	
191-24-2	Benzo(g,h,i)perylene	1.52	0.016	0.040	
207-08-9	Benzo(k)fluoranthene	1.28	0.0083	0.040	
111-91-1	Bis(2-chloroethoxy)methane	0.860	0.042	0.41	
111-44-4	Bis(2-chloroethyl)ether	0.854	0.055	0.41	
108-60-1	2,2'-oxybis(1-Chloropropane)	0.952	0.17	0.41	
117-81-7	Bis(2-Ethylhexyl)phthalate	1.44	0.056	0.41	V-06
101-55-3	4-Bromophenylphenylether	0.983	0.036	0.41	
85-68-7	Butylbenzylphthalate	1.26	0.047	0.41	
86-74-8	Carbazole	1.02	0.043	0.21	
106-47-8	4-Chloroaniline	0.525	0.066	0.80	MS-09, J
59-50-7	4-Chloro-3-methylphenol	0.882	0.043	0.80	
91-58-7	2-Chloronaphthalene	0.819	0.036	0.41	
95-57-8	2-Chlorophenol	0.807	0.036	0.41	
7005-72-3	4-Chlorophenylphenylether	0.979	0.038	0.41	
218-01-9	Chrysene	1.52	0.0052	0.040	
53-70-3	Dibenz(a,h)anthracene	1.01	0.018	0.040	

1 - FORM I
ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Pace New England			Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B417963-MSD1	File ID:	B25S329017.D
Sampled:		Prepared:	11/21/25 07:21	Analyzed:	11/25/25 19:54
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.07 g / 1 mL				
Batch:	B417963	Sequence:	S129060	Calibration:	2500833
Instrument:	GCMSSV2				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
132-64-9	Dibenzofuran	0.953	0.040	0.41	
84-74-2	Di-n-butylphthalate	1.10	0.16	0.41	
91-94-1	3,3-Dichlorobenzidine	0.314	0.074	0.21	MS-09, R-06
120-83-2	2,4-Dichlorophenol	0.913	0.039	0.41	
84-66-2	Diethylphthalate	1.03	0.040	0.41	
105-67-9	2,4-Dimethylphenol	0.880	0.085	0.41	
131-11-3	Dimethylphthalate	0.991	0.037	0.41	
534-52-1	4,6-Dinitro-2-methylphenol	0.970	0.34	0.41	
51-28-5	2,4-Dinitrophenol	0.792	0.39	0.80	V-04, V-06, J
121-14-2	2,4-Dinitrotoluene	0.994	0.098	0.41	
606-20-2	2,6-Dinitrotoluene	0.998	0.052	0.41	
117-84-0	Di-n-octylphthalate	1.55	0.061	0.41	V-06
206-44-0	Fluoranthene	2.42	0.0057	0.040	
86-73-7	Fluorene	0.967	0.0049	0.040	
118-74-1	Hexachlorobenzene	1.00	0.042	0.41	
87-68-3	Hexachlorobutadiene	0.955	0.042	0.41	
77-47-4	Hexachlorocyclopentadiene	0.128		0.41	MS-09, R-06, J
67-72-1	Hexachloroethane	0.669	0.037	0.41	MS-09
193-39-5	Indeno(1,2,3-cd)pyrene	1.53	0.017	0.040	
78-59-1	Isophorone	0.959	0.044	0.41	
90-12-0	1-Methylnaphthalene	0.860	0.0051	0.040	
91-57-6	2-Methylnaphthalene	0.809	0.0046	0.040	MS-09
95-48-7	2-Methylphenol	0.813	0.052	0.41	
108-39-4/106-44-5	3/4-Methylphenol	0.865	0.068	0.41	
91-20-3	Naphthalene	0.897	0.0058	0.040	
88-74-4	2-Nitroaniline	0.963	0.063	0.41	
99-09-2	3-Nitroaniline	1.55	0.054	0.41	R-06
100-01-6	4-Nitroaniline	0.672	0.058	0.41	MS-09
98-95-3	Nitrobenzene	0.878	0.046	0.41	

1 - FORM I
ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Pace New England			Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY		Project:	City of Corning Fire Dept - CO 153522	
Matrix:	Soil	Laboratory ID:	B417963-MSD1	File ID:	B25S329017.D
Sampled:		Prepared:	11/21/25 07:21	Analyzed:	11/25/25 19:54
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.07 g / 1 mL				
Batch:	B417963	Sequence:	S129060	Calibration:	2500833
Instrument:	GCMSSV2				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
88-75-5	2-Nitrophenol	0.941	0.042	0.41	
100-02-7	4-Nitrophenol	1.05	0.16	0.80	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine	0.940	0.054	0.41	
621-64-7	N-Nitrosodi-n-propylamine	0.873	0.051	0.41	
87-86-5	Pentachlorophenol	0.547	0.053	0.41	MS-09, R-06
85-01-8	Phenanthrene	1.36	0.0041	0.040	
108-95-2	Phenol	0.818	0.039	0.41	
129-00-0	Pyrene	1.95	0.0069	0.040	
110-86-1	Pyridine	0.559	0.052	0.41	MS-09
95-94-3	1,2,4,5-Tetrachlorobenzene	0.942	0.040	0.41	
95-95-4	2,4,5-Trichlorophenol	0.973	0.042	0.41	
88-06-2	2,4,6-Trichlorophenol	0.945	0.036	0.41	

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329017.D
Acq On : 25 Nov 2025 7:54 pm
Operator : BGL
Sample : B417963-MSD1 Inst : GCMSSV2
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 25 20:10:37 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	4.694	152	59812	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	5.494	136	224754	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	6.584	164	119157	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	7.505	188	205172	40.00	ug/ml	0.00
71) CHRYSENE-D12	9.907	240	198058	40.00	ug/ml	0.00
80) PERYLENE-D12	12.357	264	184696	40.00	ug/ml	0.00
88) 1,4-Dichlorobenzene-D4...	4.694	152	59812	40.00	ug/ml	0.00
92) NAPHTHALENE-d8 (2)	5.494	136	224754	40.00	ug/ml	0.00
95) ACENAPHTHENE-D10 (2)	6.584	164	119157	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	3.846	112	138367	82.80	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 41.40%			
3) Phenol-d6	4.470	99	223067	80.96	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 40.48%			
20) Nitrobenzene-d5	5.044	82	96894	43.32	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 43.32%			
36) 2-Fluorobiphenyl	6.157	172	186931	47.52	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 47.52%			
37) 2,4,6-Tribromophenol	7.073	330	57462	108.58	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 54.29%			
72) p-Terphenyl-d14	8.680	244	225348	54.94	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 54.94%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.766	42	19946	18.73	ug/ml	87
5) Pyridine	2.799	79	35079	13.79	ug/ml	95
6) Aniline	4.486	93	30190	8.27	ug/ml#	1
7) Phenol	4.478	94	60880	20.18	ug/ml#	67
8) Bis(2-chloroethyl)ether	4.524	63	32320	21.06	ug/ml	97
9) 2-Chlorophenol	4.566	128	46851	19.90	ug/ml	97
10) 1,3-Dichlorobenzene	4.658	146	47497	19.35	ug/ml	98
11) 1,4-Dichlorobenzene	4.704	146	48026	19.10	ug/ml	98
12) 1,2-Dichlorobenzene	4.802	146	47244	19.94	ug/ml	99
13) 2- METHYLPHENOL	4.856	108	43004	20.04	ug/ml	95
14) 2,2'-oxybis(1-chloropr...	4.861	45	58390	23.47	ug/ml	97
15) Acetophenone	4.946	105	63672	20.65	ug/ml#	84
16) 3/4- METHYLPHENOL	4.951	107	50928	21.34	ug/ml#	74
17) N-Nitroso-Di-N-Propyla...	4.946	70	34462	21.52	ug/ml	95
18) Hexachloroethane	5.013	117	15890	16.50	ug/ml	96
21) NITROBENZENE	5.057	77	48800	21.66	ug/ml	96
22) Isophorone	5.203	82	89377	23.65	ug/ml	99
23) 2-Nitrophenol	5.255	139	25778	23.20	ug/ml	100
24) 2,4-Dimethylphenol	5.278	122	38949	21.70	ug/ml	97
25) Bis(2-Chloroethoxy)met...	5.332	93	52551	21.20	ug/ml	98
26) Benzoic Acid	5.327	122	20548	18.52	ug/ml	96
27) 2,4-Dichlorophenol	5.407	162	38486	22.51	ug/ml	98
28) 1,2,4-Trichlorobenzene	5.455	180	39484	21.57	ug/ml	100
29) Naphthalene	5.507	128	136703	22.12	ug/ml	100
30) 4-Chloroaniline	5.538	127	34527	12.95	ug/ml	96
31) Hexachlorobutadiene	5.579	225	21676	23.55	ug/ml	99
32) 4-Chloro-3-Methylphenol	5.839	107	38814	21.76	ug/ml	98
33) 2-MethylNaphthalene	5.934	142	83709	19.94	ug/ml	99
34) 1-Methylnaphthalene	5.998	142	83737	21.20	ug/ml	99
38) Hexachlorocyclopentadiene	6.029	237	2990	3.15	ug/ml	97
39) 1,2,4,5-Tetrachloroben...	6.039	216	38562	23.24	ug/ml	99
40) 2,4,6-Trichlorophenol	6.111	196	26170	23.31	ug/ml	99

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329017.D
Acq On : 25 Nov 2025 7:54 pm
Operator : BGL
Sample : B417963-MSD1 Inst : GCMSSV2
Misc :
ALS Vial : 17 Sample Multiplier: 1

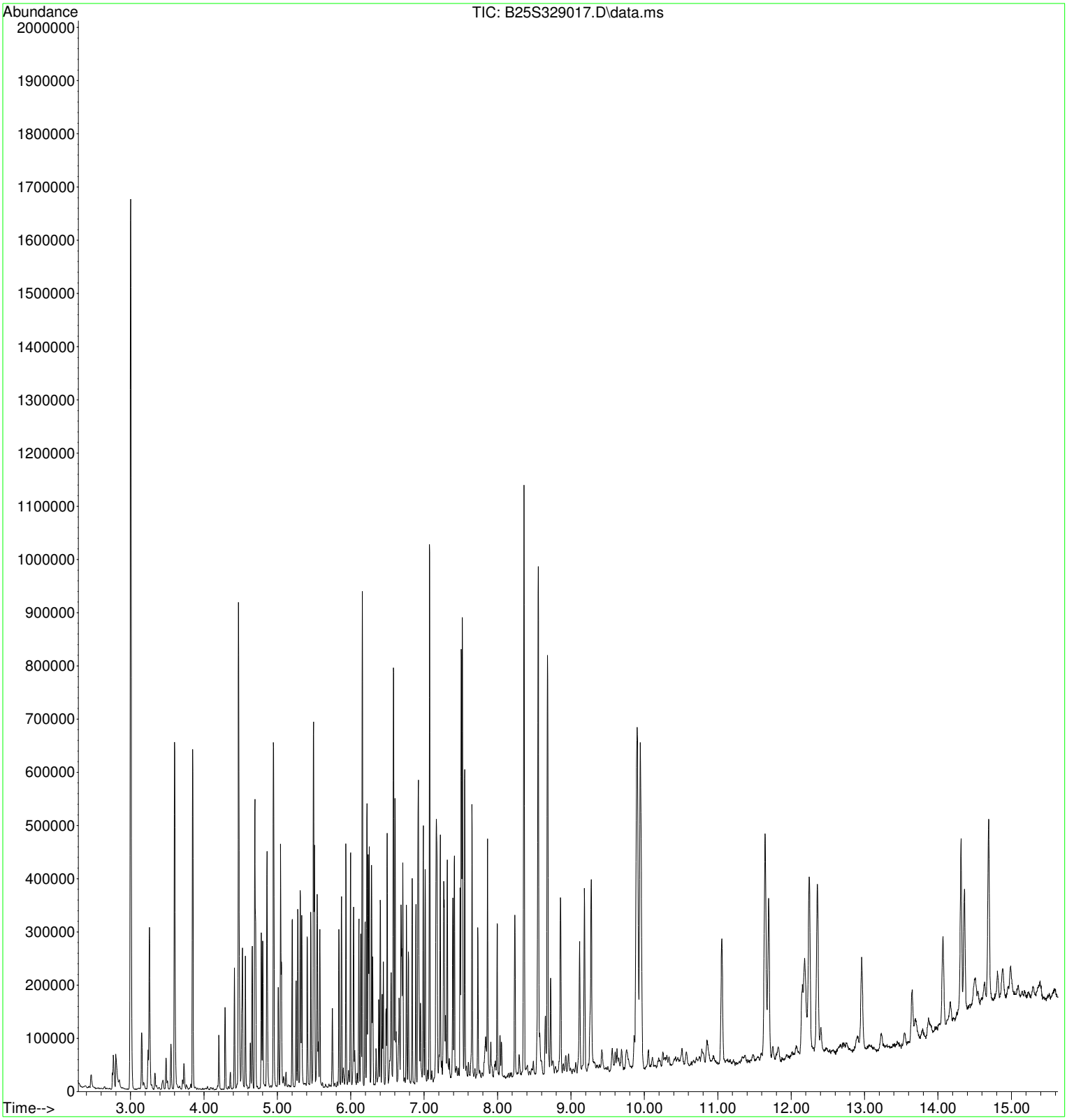
Quant Time: Nov 25 20:10:37 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 2,4,5-Trichlorophenol	6.137	196	28279	24.00	ug/ml	92
42) 2-ChloroNaphthalene	6.237	162	85578	20.19	ug/ml	98
43) 2-Nitroaniline	6.299	65	25780	23.74	ug/ml	97
44) 1,1-Biphenyl	6.222	154	109391	24.56	ug/ml	99
45) DIMETHYL PHTHALATE	6.404	163	91306	24.43	ug/ml	99
46) 2,6-DinitroToluene	6.445	165	21232	24.61	ug/ml	97
47) Acenaphthylene	6.497	152	137486	24.11	ug/ml	99
48) 3-Nitroaniline	6.551	138	40628	38.12	ug/ml#	46
49) Acenaphthene	6.602	154	86863	22.71	ug/ml	98
50) 2,4-Dinitrophenol	6.618	184	9100	19.54	ug/ml#	95
51) 4-Nitrophenol	6.661	109	11973	25.97	ug/ml	97
52) Dibenzofuran	6.710	168	118605	23.49	ug/ml	98
53) 2,4-Dinitrotoluene	6.697	165	28554	24.52	ug/ml	93
54) DIETHYL PHTHALATE	6.836	149	90302	25.46	ug/ml	98
55) 4-Chlorophenyl phenyl ...	6.916	204	43027	24.14	ug/ml	100
56) Flourene	6.924	166	100155	23.85	ug/ml	99
57) 4-Nitroaniline	6.931	138	19510	16.58	ug/ml	97
59) 4,6-Dinitro-2-Methylph...	6.949	198	14501	23.92	ug/ml	96
60) N-Nitrosodiphenylamine	6.988	169	82166	23.19	ug/ml	98
61) 1,2-Diphenylhydrazine	7.014	77	95014	22.32	ug/ml	96
62) 4-Bromophenyl phenyl e...	7.219	248	26680	24.24	ug/ml	96
63) Hexachlorobenzene	7.266	284	30186	24.73	ug/ml	95
64) Pentachlorophenol	7.389	266	11079	13.48	ug/ml	97
65) Pentachloronitrobenzene	7.394	295	5553	26.06	ug/ml#	90
66) Phenanthrene	7.520	178	215309	33.59	ug/ml	100
67) Anthracene	7.554	178	152284	23.76	ug/ml	100
68) Carbazole	7.652	167	149381	25.08	ug/ml	99
69) Di-N-Butyl Phthalate	7.862	149	157132	27.01	ug/ml	99
70) Flouranthene	8.361	202	377640	59.61	ug/ml	99
73) Benzidine	8.431	184	25	N.D.		
74) Pyrene	8.554	202	349942	48.17	ug/ml	98
75) Butylbenzyl phthalate	9.184	149	82467	31.10	ug/ml	91
76) 3,3'-Dichlorobenzidine	9.863	252	16096	7.74	ug/ml	98
77) Benzo(a)anthracene	9.891	228	231818	34.69	ug/ml	97
78) Chrysene	9.943	228	248023	37.54	ug/ml	99
79) Bis(2-ethylhexyl)phtha...	9.958	149	108191	35.60	ug/ml	99
81) Di-n-octylphthalate	11.056	149	173405	38.29	ug/ml	95
82) Benzo(b)fluoranthene	11.645	252	253266	44.70	ug/ml	99
83) Benzo(k)fluoranthene	11.694	252	178062	31.66	ug/ml	97
84) Benzo(a)pyrene	12.247	252	207391	39.49	ug/ml	96
85) Indeno(1,2,3-cd)pyrene	14.314	276	176599	37.79	ug/ml	97
86) Dibenz(a,h)anthracene	14.363	278	122907	25.02	ug/ml	96
87) Benzo(g,h,i)perylene	14.692	276	194588	37.52	ug/ml	96
89) 1,4-Dioxane	2.462	88	9466	9.32	ug/ml	85
90) Benzaldehyde	4.416	106	33687	16.93	ug/ml	98
91) Benzyl Alcohol	4.782	108	31864	22.38	ug/ml	98
93) 2,6-Dichlorophenol	5.545	162	38180	20.78	ug/ml	92
94) Caprolactam	5.751	113	14307	20.77	ug/ml	95
96) 2,3,4,6-Tetrachlorophenol	6.787	230	16587	21.58	ug/ml	97
97) Atrazine	7.315	200	25477	27.32	ug/ml	99

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

Data Path : C:\msdchem\1\data\B112525\
Data File : B25S329017.D
Acq On : 25 Nov 2025 7:54 pm
Operator : BGL
Sample : B417963-MSD1 Inst : GCMSSV2
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 25 20:10:37 2025
Quant Method : C:\MSDCHEM\1\METHODS\BN210245.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 19 13:03:36 2025
Response via : Initial Calibration



PREPARATION BENCH SHEET

Printed: 11/21/2025 7:24:31AM

Analysis
8270 DER TCL

B417963

Pace New England

Prepared using: SW-846 3546

Surrogate Solution
25J0656 Semi Surrogate 100-200ppm

Spiking Solution
25K0100 8270/Svoa Spike-50 ppm

448

Matrix: Soil

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
B417963-BLK1	Blank			MH 11/24/25		30.06	1.0		1000		
B417963-BS1	LCS					30.05		1000	1000		
B417963-BSD1	LCS Dup					30.08		1000	1000		
B417963-MS1	Matrix Spike [25K1216-01]			MEF 11/24/25		30.05	1.0	1000	1000		
B417963-MSD1	Matrix Spike Dup [25K1216-01]					30.07		1000	1000		
25K1216-01	D-3 (0-2in) 2C	12/01/25	12/01/25			30.07			1000	Organic material	5
25K1216-02	D-3 (2-12in)	12/01/25	12/01/25	MH 11/24/25		30.07	1.0		1000	organic material	5
25K1216-03	E-2 (0-2in)	12/01/25	12/01/25			30.04			1000	organic material, rocky	5
25K1216-04	E-2 (2-12in)	12/01/25	12/01/25	MEF 11/24/25		30.06	1.0		1000	Clay, rocky	5
25K1216-05	E-3 (0-2in)	12/01/25	12/01/25			30.07			1000	organic material	5
25K1216-06	E-3 (2-12in)	12/01/25	12/01/25			30.08			1000	rocky	5
25K1228-01	Loc 1@ 2 ft	12/15/25	12/01/25			30.06			1000	Sandy	15
25K1228-02	Loc 1@ 4 ft	12/15/25	12/01/25			30.06			1000	Sandy, wet	15
25K1228-03	Loc 1@ 8 ft	12/15/25	12/01/25			30.07			1000	Sandy, rocky, wet	15
25K1228-04	Loc 4@ 2 ft	12/15/25	12/01/25			30.07			1000	rocky, clay	15
25K1228-05	Loc 4@ 4 ft	12/15/25	12/01/25			30.06			1000	Sandy, rocky	15
25K1228-06	Loc 4@ 8 ft	12/15/25	12/01/25			30.08			1000	Clay, rocky	15
25K1228-07	TP 3 @ 6ft	12/15/25	12/02/25	MH 11/24/25		30.05	1.0		1000	Clay, wet	15

3pk

RA JJC 11/21/25
Spikedby/Witnessed By Date

RA 11/21/25
Extracted By Date

C:\ELMNT\Print\bch_DEF_EXT_TAT.rpt

PREPARATION BENCH SHEET

Printed: 11/21/2025 7:24:31AM

Analysis
8270 DER TCL

B417963

Pace New England

Prepared using: SW-846 3546

Surrogate Solution
25J0656 Semi Surrogate 100-200ppm

Spiking Solution
25K0100 8270/Svoa Spike-50 ppm

449

Matrix: Soil

FROM B417763

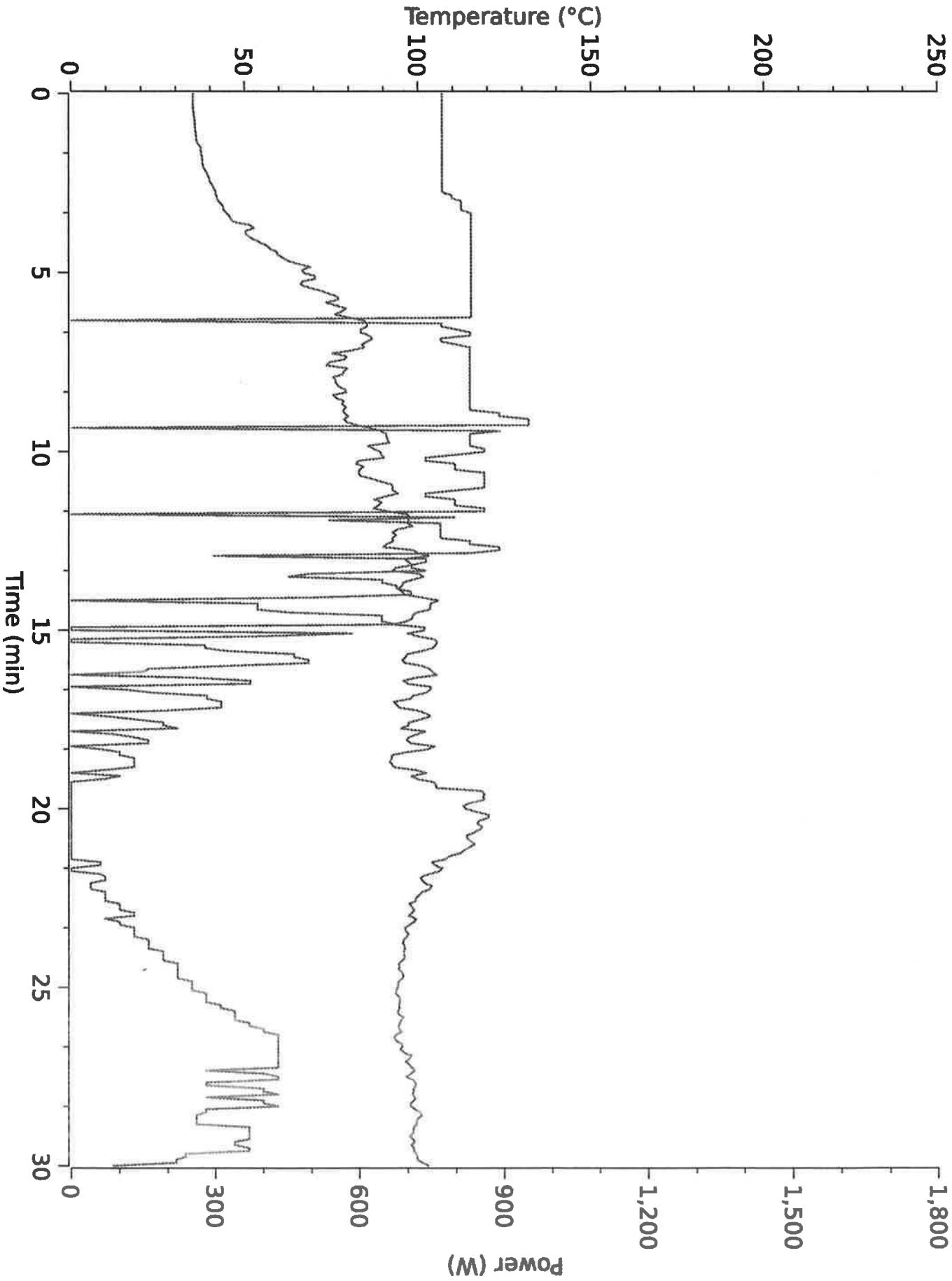
Start Date/Time _____

StopDate/Time _____

Standard ID#	Description
25J0102	Filter Paper (Fisher) 15.0cm
25J0524	Methylene Chloride (200 L Drum)
25K0107	Acetone
25K0172	Sodium Sulfate (Baked)

Spikedby/Witnessed By _____ Date _____

Extracted By _____ Date _____


Temperature (°C)
0
50
100
150
200
250
Time (min)
0
5
10
15
20
25
30
Power (W)
0
300
600
900
1,200
1,500
1,800

C:\msdchem\1\data\B112525\

Date	Filename	Lab ID	Sample Info
25 Nov 2025 1:22 pm	B25S329001.D	DFTPP 50ng 25j0422 1682	
25 Nov 2025 1:43 pm	B25S329002.D	25k0511-acidstockss50X	
25 Nov 2025 2:08 pm	B25S329003.D	8270std 50 ppm 25H0510	
25 Nov 2025 2:33 pm	B25S329004.D	ncextras 50 ppm 25I0219	
25 Nov 2025 2:58 pm	B25S329005.D	B417963-BS1@/DERS	
25 Nov 2025 3:22 pm	B25S329006.D	B417963-BSD1	
25 Nov 2025 3:47 pm	B25S329007.D	B417963-BLK1	
25 Nov 2025 4:12 pm	B25S329008.D	25K1216-01	
25 Nov 2025 4:36 pm	B25S329009.D	25K1216-02	
25 Nov 2025 5:01 pm	B25S329010.D	25K1216-03	
25 Nov 2025 5:26 pm	B25S329011.D	25K1216-04	
25 Nov 2025 5:51 pm	B25S329012.D	25K1216-05	
25 Nov 2025 6:15 pm	B25S329013.D	25K1216-06	
25 Nov 2025 6:40 pm	B25S329014.D	25K1213-16@/RRT	
25 Nov 2025 7:05 pm	B25S329015.D	25K0833-02@/RCPS	
25 Nov 2025 7:30 pm	B25S329016.D	B417963-MS1@/K1216-01	
25 Nov 2025 7:54 pm	B25S329017.D	B417963-MSD1	
25 Nov 2025 8:19 pm	B25S329018.D	25K0752-13RE1@4X	
25 Nov 2025 8:44 pm	B25S329019.D	25K0752-18RE1@8X	
25 Nov 2025 9:08 pm	B25S329020.D	25K0741-02	
25 Nov 2025 9:33 pm	B25S329021.D	25K0752-01	
25 Nov 2025 9:58 pm	B25S329022.D	25K0752-02	
25 Nov 2025 10:22 pm	B25S329023.D	25K0752-03	
25 Nov 2025 10:47 pm	B25S329024.D	25K0752-04	
25 Nov 2025 11:12 pm	B25S329025.D	25K0752-05	
25 Nov 2025 11:37 pm	B25S329026.D	25K0752-06	
26 Nov 2025 12:01 am	B25S329027.D	B417827-MS1@/DERS K0741-02	
26 Nov 2025 12:26 am	B25S329028.D	B417827-MSD1	
26 Nov 2025 12:51 am	B25S329029.D	25K1228-01	
26 Nov 2025 1:15 am	B25S329030.D	25K1228-02	
26 Nov 2025 1:40 am	B25S329031.D	25K1228-03	
26 Nov 2025 2:05 am	B25S329032.D	25K1228-04	
26 Nov 2025 2:30 am	B25S329033.D	VIPERBLANK	

WET

SAMPLE DATA

1 - FORM I
ANALYSIS DATA SHEET

D-3 (0-2in)

Laboratory:	Pace New England	SDG:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1216-01
Sampled:	11/17/25 15:20		
% Solids:	82.00		

CAS NO.	Analyte	Concentration (% Wt)	RL	DF	Q	Batch	Analyzed	Method
TSOLIDS	% Solids	82.0		1		B417935	11/20/25 15:41	SM 2540G

1 - FORM I
ANALYSIS DATA SHEET

D-3 (2-12in)

Laboratory:	Pace New England	SDG:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1216-02
Sampled:	11/17/25 15:25		
% Solids:	87.03		

CAS NO.	Analyte	Concentration (% Wt)	RL	DF	Q	Batch	Analyzed	Method
TSOLIDS	% Solids	87.0		1		B417935	11/20/25 15:41	SM 2540G

1 - FORM I
ANALYSIS DATA SHEET

E-2 (0-2in)

Laboratory:	Pace New England	SDG:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1216-03
Sampled:	11/17/25 15:50		
% Solids:	80.98		

CAS NO.	Analyte	Concentration (% Wt)	RL	DF	Q	Batch	Analyzed	Method
TSOLIDS	% Solids	81.0		1		B417935	11/20/25 15:41	SM 2540G

1 - FORM I
ANALYSIS DATA SHEET

E-2 (2-12in)

Laboratory:	Pace New England	SDG:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1216-04
Sampled:	11/17/25 15:55		
% Solids:	91.15		

CAS NO.	Analyte	Concentration (% Wt)	RL	DF	Q	Batch	Analyzed	Method
TSOLIDS	% Solids	91.2		1		B417935	11/20/25 15:41	SM 2540G

1 - FORM I
ANALYSIS DATA SHEET
E-3 (0-2in)

Laboratory:	Pace New England	SDG:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1216-05
Sampled:	11/17/25 16:15		
% Solids:	82.35		

CAS NO.	Analyte	Concentration (% Wt)	RL	DF	Q	Batch	Analyzed	Method
TSOLIDS	% Solids	82.3		1		B417935	11/20/25 15:41	SM 2540G

1 - FORM I
ANALYSIS DATA SHEET
E-3 (2-12in)

Laboratory:	Pace New England	SDG:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Matrix:	Soil	Laboratory ID:	25K1216-06
Sampled:	11/17/25 16:20		
% Solids:	90.26		

CAS NO.	Analyte	Concentration (% Wt)	RL	DF	Q	Batch	Analyzed	Method
TSOLIDS	% Solids	90.3		1		B417935	11/20/25 15:41	SM 2540G

PREPARATION BATCH SUMMARY

SM 2540G

Laboratory:	Pace New England	Work Order:	25K1216
Client:	NYDEC_HRP Associates - Clifton Park, NY	Project:	City of Corning Fire Dept - CO 153522
Batch:	B417935 Batch Matrix: Soil	Preparation:	% Solids

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
D-3 (0-2in)	25K1216-01	11/20/25 15:41	5.00	5.00
D-3 (2-12in)	25K1216-02	11/20/25 15:41	5.00	5.00
E-2 (0-2in)	25K1216-03	11/20/25 15:41	5.00	5.00
E-2 (2-12in)	25K1216-04	11/20/25 15:41	5.00	5.00
E-3 (0-2in)	25K1216-05	11/20/25 15:41	5.00	5.00
E-3 (2-12in)	25K1216-06	11/20/25 15:41	5.00	5.00

Percent Moisture/ Percent Solids

D2216-90

Analyst: DMB **Test Code:** %Moist/%Solids **Batch ID:** B417935

Analyte: Dried at 105°C **Units:** %

TEMP IN: 104 °C

analyst	sample#	dish	Units	dish&sample	Units	time	date	sample	dried dish&sample	Units	time	date	dried sample	% solid
DMB	25K1213-01	1.0311	g	11.2508	g	18:42	11/20/25	10.2197	9.1925	g	22:45	11/20/25	8.16	79.86
DMB	25K1213-02	1.0387	g	11.7844	g	18:42	11/20/25	10.7457	9.9832	g	22:45	11/20/25	8.94	83.24
DMB	25K1213-03	1.0252	g	11.5295	g	18:42	11/20/25	10.5043	8.8557	g	22:45	11/20/25	7.83	74.55
DMB	25K1213-04	1.0189	g	11.5624	g	18:42	11/20/25	10.5435	10.0528	g	22:45	11/20/25	9.03	85.68
DMB	25K1213-05	1.0265	g	11.7448	g	18:42	11/20/25	10.7183	9.2893	g	22:45	11/20/25	8.26	77.09
DMB	25K1213-06	1.0297	g	12.1562	g	18:42	11/20/25	11.1265	10.2491	g	22:45	11/20/25	9.22	82.86
DMB	25K1213-07	1.0301	g	11.2073	g	18:42	11/20/25	10.1772	8.6700	g	22:45	11/20/25	7.64	75.07
DMB	25K1213-08	1.0470	g	11.3523	g	18:42	11/20/25	10.3053	9.5809	g	22:45	11/20/25	8.53	82.81
DMB	25K1213-09	1.0262	g	11.7621	g	18:42	11/20/25	10.7359	9.6084	g	22:45	11/20/25	8.58	79.94
DMB	25K1213-10	1.0164	g	12.7105	g	18:42	11/20/25	11.6941	11.2965	g	22:45	11/20/25	10.28	87.91
DMB	25K1213-11	1.0120	g	11.6559	g	18:42	11/20/25	10.6439	9.4530	g	22:45	11/20/25	8.44	79.30
DMB	25K1213-12	1.0128	g	12.2940	g	18:42	11/20/25	11.2812	11.0058	g	22:45	11/20/25	9.99	88.58
DMB	25K1213-13	1.0055	g	11.2891	g	18:42	11/20/25	10.2836	9.6168	g	22:45	11/20/25	8.61	83.74
DMB	25K1213-14	1.0083	g	11.5699	g	18:42	11/20/25	10.5616	9.7988	g	22:45	11/20/25	8.79	83.23
DMB	25K1213-15	1.0234	g	11.5996	g	18:42	11/20/25	10.5762	8.9616	g	22:45	11/20/25	7.94	75.06
DMB	25K1213-16	1.0237	g	11.5385	g	18:42	11/20/25	10.5148	9.9885	g	22:45	11/20/25	8.96	85.26
DMB	25K1216-01	0.9918	g	12.0126	g	18:42	11/20/25	11.0208	10.0293	g	22:45	11/20/25	9.04	82.00
DMB	25K1216-02	0.9965	g	11.5014	g	18:42	11/20/25	10.5049	10.1390	g	22:45	11/20/25	9.14	87.03
DMB	25K1216-03	0.9943	g	11.6482	g	18:42	11/20/25	10.6539	9.6218	g	22:45	11/20/25	8.63	80.98
DMB	25K1216-04	0.9953	g	11.2574	g	18:42	11/20/25	10.2621	10.3493	g	22:45	11/20/25	9.35	91.15
DMB	25K1216-05	1.0261	g	11.6761	g	18:42	11/20/25	10.6500	9.7959	g	22:45	11/20/25	8.77	82.35
DMB	25K1216-06	0.9963	g	12.6119	g	18:42	11/20/25	11.6156	11.4800	g	22:45	11/20/25	10.48	90.26
DMB	25K1228-01	0.9886	g	11.8936	g	18:42	11/20/25	10.9050	10.9549	g	22:45	11/20/25	9.97	91.39
DMB	25K1228-02	0.9981	g	11.7124	g	18:42	11/20/25	10.7143	9.3985	g	22:45	11/20/25	8.40	78.40
DMB	25K1228-03	1.0034	g	12.0750	g	18:42	11/20/25	11.0716	10.3280	g	22:45	11/20/25	9.32	84.22
DMB	25K1228-04	0.9942	g	11.1712	g	18:42	11/20/25	10.1770	9.2589	g	22:45	11/20/25	8.26	81.21
DMB	25K1228-05	1.0015	g	12.1026	g	18:42	11/20/25	11.1011	11.5887	g	22:45	11/20/25	10.59	95.37

TEMP IN: 104 °C

analyst	sample#	dish	Units	dish&sample	Units	time	date	sample	dried dish&sample	Units	time	date	dried sample	% solid
DMB	25K1228-06	0.9806	g	11.9474	g	18:42	11/20/25	10.9668	9.1255	g	22:45	11/20/25	8.14	74.27
DMB	25K1228-07	1.0420	g	12.0031	g	18:42	11/20/25	10.9611	8.2691	g	22:45	11/20/25	7.23	65.93
DMB	25K1269-07	1.0007	g	12.6893	g	18:42	11/20/25	11.6886	11.8508	g	22:45	11/20/25	10.85	92.83
DMB	B417935-DUP1	1.0041	g	11.3526	g	18:42	11/20/25	10.3485	9.6454	g	22:45	11/20/25	8.64	83.50
DMB	B417935-DUP2	0.9998	g	11.1574	g	18:42	11/20/25	10.1576	9.2854	g	22:45	11/20/25	8.29	81.57



Pace Analytical Services

Laboratory Code: 11148

SDG Number: L2574897

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Project Name: 25K1216
Project Number: 25K1216

Lab Number: L2574897
Report Date: 12/01/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2574897-01	D-3 (0-2IN)	SOIL	Not Specified	11/17/25 15:20	11/21/25
L2574897-02	D-3 (2-12IN)	SOIL	Not Specified	11/17/25 15:25	11/21/25
L2574897-03	E-2 (0-2IN)	SOIL	Not Specified	11/17/25 15:50	11/21/25
L2574897-04	E-2 (2-12IN)	SOIL	Not Specified	11/17/25 15:55	11/21/25
L2574897-05	E-3 (0-2IN)	SOIL	Not Specified	11/17/25 16:15	11/21/25
L2574897-06	E-3 (2-12IN)	SOIL	Not Specified	11/17/25 16:20	11/21/25

Project Name:	25K1216	**Lab Number:**	L2574897
Project Number:	25K1216	**Report Date:**	12/01/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	25K1216	**Lab Number:**	L2574897
Project Number:	25K1216	**Report Date:**	12/01/25

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Total Metals

L2574897-01 through -06: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Caitlin Wallukeit Report Date: 12/01/25

Title: Technical Director/Representative

DATA PACKAGE GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: DU Report with 'J' Qualifiers

Data Qualifiers

the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

ND or U - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

TYPICAL INSTRUMENT PARAMETERS

Volatile Organics Instruments

Volatile Organics:

Instrument: Agilent 7890 GC/5975C MSD	Columns (length x ID x df):
Trap: Supelco K Trap (VOACARB 3000)	RTX-VMS 20m x 0.18mm x 1um
Concentrator: EST Encon (or equivalent)	RTX-VMS 30m x 0.25mm x 1.4um
Autosampler: EST Centurion (or equivalent)	RTX-502.2 40m x 0.18mm x 1um
Purge time: 11 min	

Volatile Organics: VPH

Instrument: Agilent 6890 (or equivalent)	Column Type: Restek RTX 502.2
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 105 Meters
Concentrator: EST Encon (or equivalent)	df: 3.00 um
Autosampler: EST Centurion (or equivalent)	ID: 0.53mm

Volatile Organics: PIANO

Instrument: Agilent 7890 GC/5975C MSD	Column Type: DB-VRX
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 60 Meters
Concentrator: Tekmar Velocity / EST Encon	df: 1.40 um
Autosampler: Varian Archon / EST Centurion	ID: 0.25 mm
Purge time: 11 min	Desorb: 1 min

Volatile Organics: Dissolved Gas

Instrument: Agilent 7890 (or equivalent) with FID/TCD	
	Column Type: Haysep S Column
	Column Length: 2 Meters packed (100/200 mesh)
Autosampler: LEAP Headspace	Purge time: 0.6 min

Volatile Organics in Air Instruments

Volatile Organics in Air:

Instruments: Agilent 6890 GC / 5975 MSD Shimadzu QP2010-SE / QP2020

Concentrator: Entech 7100A or 7200	Column Type: Restek RTX-1
Autosampler: Entech 7016CA or 7016D	Column Length: 60 Meters
	df: 1.00 um
	ID: 0.25 mm or 0.32 mm

Trap 1: Glass Bead: manufacturer-Entech: 20 cm packing material
Trap 2: Tenax: manufacturer-Entech: 20 cm packing material

Semivolatile Organics Instruments - Westborough

Semivolatile Organics (Acid/Base/Neutral Extractables):

Instrument: Agilent 5973N MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.32 um
Column Length: 30 Meters	ID: 0.25 mm

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

Instrument: Agilent 5973 MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Pesticides/PCB/Herbicides:

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Petroleum/EPH:

Instrument: Agilent 6890 w/FID / HP 5890 w/ FID	Injection Volume: 1uL
Column: Restek RTX 5	df: 0.25
Column Length: 30 Meters	
ID: 0.32 mm	

Semivolatile Organic Instruments - Mansfield

Semivolatile Organics (ALK-PAH Extractables):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 1 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8270):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 2 ul
Column Type: ZB-Semivolatiles	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (8270 SIM):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (1,4-Dioxane):

Instrument: Agilent 5973N / 5975 / 5977 MSD	Injection volume: 3 ul
Column Type: RTX-5	df: 0.25um, 0.18 um
Column Length: 30 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (209 Congener):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: RTX-5, RTX-PCB	df: 0.25um, 0.18 um
Column Length: 60 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (8081):

Instrument: Agilent 6890 / 7890	Injection volume: 1 ul
Column Type: RTX-5 / RTX-CLP II	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8082):

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Semivolatile Organics (SHC Extractables):

Instrument: Agilent 6890	Injection volume: 1 ul
Column Type: RTX-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Sample Delivery Group Summary

Pace Job Number : L2574897

Account Name : Pace New England
Project Number : 25K1216
Project Name : 25K1216

Received : 21-NOV-2025
Reviewer : Julie Convery

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	4.3	

Condition Information

1) All samples on COC received?	**YES**
2) Extra samples received?	**NO**
3) Are there any sample container discrepancies?	**NO**
4) Are there any discrepancies between COC & sample labels?	**NO**
5) Are samples in appropriate containers for requested analysis?	**YES**
6) Are samples properly preserved for requested analysis?	**YES**
7) Are samples within holding time for requested analysis?	**YES**
8) All sampling equipment returned?	**NA**

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	**NA**

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Dec 01 2025, 06:38 pm

Login Number: L2574897
Account: CONTEST-MET-SE Pace New EnglandProject: 25K1216
Received: 21NOV25 Due Date: 01DEC25

Sample #	Client ID	Mat	PR	Collected
L2574897-01	D-3 (0-2IN)	3	3D	17NOV25 15:20

report to the MDL TS Performed in ELON, TS value to be manually entered ASP-B Package Due Date: 12/01/25

ASP-B,B-TI,TAL,AG-TI,AL-TI,AS-TI,BA-TI,BE-TI,CA-TI,CD-TI,CO-TI,CR-TI,CU-TI,FE-TI,HG-T,K-TI,MG-TI,MN-TI,NA-TI,NI-TI,PB-TI,PREPT,SB-TI,SE-TI,TL-TI,V-TI,ZN-TI,TS

Sample #	Client ID	Mat	PR	Collected
L2574897-02	D-3 (2-12IN)	3	3D	17NOV25 15:25

report to the MDL TS Performed in ELON, TS value to be manually entered Package Due Date: 12/01/25

B-TI,TAL,AG-TI,AL-TI,AS-TI,BA-TI,BE-TI,CA-TI,CD-TI,CO-TI,CR-TI,CU-TI,FE-TI,HG-T,K-TI,MG-TI,MN-TI,NA-TI,NI-TI,PB-TI,PREPT,SB-TI,SE-TI,TL-TI,V-TI,ZN-TI,TS

Sample #	Client ID	Mat	PR	Collected
L2574897-03	E-2 (0-2IN)	3	3D	17NOV25 15:50

report to the MDL TS Performed in ELON, TS value to be manually entered Package Due Date: 12/01/25

B-TI,TAL,AG-TI,AL-TI,AS-TI,BA-TI,BE-TI,CA-TI,CD-TI,CO-TI,CR-TI,CU-TI,FE-TI,HG-T,K-TI,MG-TI,MN-TI,NA-TI,NI-TI,PB-TI,PREPT,SB-TI,SE-TI,TL-TI,V-TI,ZN-TI,TS

Sample #	Client ID	Mat	PR	Collected
L2574897-04	E-2 (2-12IN)	3	3D	17NOV25 15:55

report to the MDL TS Performed in ELON, TS value to be manually entered Package Due Date: 12/01/25

B-TI,TAL,AG-TI,AL-TI,AS-TI,BA-TI,BE-TI,CA-TI,CD-TI,CO-TI,CR-TI,CU-TI,FE-TI,HG-T,K-TI,MG-TI,MN-TI,NA-TI,NI-TI,PB-TI,PREPT,SB-TI,SE-TI,TL-TI,V-TI,ZN-TI,TS

Sample #	Client ID	Mat	PR	Collected
L2574897-05	E-3 (0-2IN)	3	3D	17NOV25 16:15

report to the MDL TS Performed in ELON, TS value to be manually entered Package Due Date: 12/01/25

B-TI,TAL,AG-TI,AL-TI,AS-TI,BA-TI,BE-TI,CA-TI,CD-TI,CO-TI,CR-TI,CU-TI,FE-TI,HG-T,K-TI,MG-TI,MN-TI,NA-TI,NI-TI,PB-TI,PREPT,SB-TI,SE-TI,TL-TI,V-TI,ZN-TI,TS

Sample #	Client ID	Mat	PR	Collected
L2574897-06	E-3 (2-12IN)	3	3D	17NOV25 16:20

report to the MDL TS Performed in ELON, TS value to be manually entered Package Due Date: 12/01/25

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Dec 01 2025, 06:38 pm

Login Number: L2574897
Account: CONTEST-MET-SE Pace New EnglandProject: 25K1216
Received: 21NOV25 Due Date: 01DEC25

Sample #	Client ID	Mat	PR	Collected

B-TI,TAL,AG-TI,AL-TI,AS-TI,BA-TI,BE-TI,CA-TI,CD-TI,CO-TI,CR-TI,CU-TI,FE-TI,HG-T,K-TI,MG-TI,MN-TI,NA-TI,NI-TI,PB-TI,PREPT,SB-TI,SE-TI,TL-TI,V-TI,ZN-TI,TS

Logged By: Julie Convery

RUSH

SUBCONTRACT CHAIN OF CUSTODY

Pace New England

25K1216

L2574897

477

ELITE

SENDING LABORATORY:

Pace New England
39 Spruce Street
East Longmeadow, MA 01028
Phone: 413.525.2332
Fax: 413.525.6405
Project Manager: Raymond J. McCarthy

RECEIVING LABORATORY:

Pace Analytical Services - Westborough, MA
8 Walkup Drive
Westborough, MA 01581
Phone :(508) 898-9220
Fax: (508) 898-9193

Project Location: New York

Analysis	Sample Name	Due	Expires	Comments
Sample ID: 25K1216-01 D-3 (0-2in)		**Soil**	**Sampled: 11/17/25 15:20**	**CAT B**
SG-TAL 23 Metals 6010 (incl. Hg) Total		12/01/25 14:00	11/24/25 15:20	
S-Metals Digestion		12/01/25 14:00	12/01/25 15:20	
S-Boron 6010 Total		12/01/25 14:00	05/16/26 15:20	
Containers Supplied:				
2 oz amber glass jar (B)				
Sample ID: 25K1216-02 D-3 (2-12in)		**Soil**	**Sampled: 11/17/25 15:25**	**CAT B**
S-Boron 6010 Total		12/01/25 14:00	05/16/26 15:25	
SG-TAL 23 Metals 6010 (incl. Hg) Total		12/01/25 14:00	11/24/25 15:25	
S-Metals Digestion		12/01/25 14:00	12/01/25 15:25	
Containers Supplied:				
2 oz amber glass jar (B)				
Sample ID: 25K1216-03 E-2 (0-2in)		**Soil**	**Sampled: 11/17/25 15:50**	**CAT B**
SG-TAL 23 Metals 6010 (incl. Hg) Total		12/01/25 14:00	11/24/25 15:50	
S-Metals Digestion		12/01/25 14:00	12/01/25 15:50	
S-Boron 6010 Total		12/01/25 14:00	05/16/26 15:50	
Containers Supplied:				
2 oz amber glass jar (B)				
Sample ID: 25K1216-04 E-2 (2-12in)		**Soil**	**Sampled: 11/17/25 15:55**	**CAT B**
S-Metals Digestion		12/01/25 14:00	12/01/25 15:55	
S-Boron 6010 Total		12/01/25 14:00	05/16/26 15:55	
SG-TAL 23 Metals 6010 (incl. Hg) Total		12/01/25 14:00	11/24/25 15:55	
Containers Supplied:				
2 oz amber glass jar (B)				

Released By	Date: 11/21/25 1605	Received By	Date: 11-21 17-
Released By	Date: 11-21 1815	Received By	Date: 11-21 25-1845

L0574897

ELITE

SUBCONTRACT CHAIN OF CUSTODY

RUSH

Pace New England

25K1216

Analysis	Sample Name	Due	Expires	Comments
Sample ID: 25K1216-05 E-3 (0-2in)		**Soil**	**Sampled: 11/17/25 16:15**	**CAT B**
SG-TAL 23 Metals 6010 (incl. Hg) Total		12/01/25 14:00	11/24/25 16:15	
S-Metals Digestion		12/01/25 14:00	12/01/25 16:15	
S-Boron 6010 Total		12/01/25 14:00	05/16/26 16:15	
Containers Supplied:				
2 oz amber glass jar (B)				
Sample ID: 25K1216-06 E-3 (2-12in)		**Soil**	**Sampled: 11/17/25 16:20**	**CAT B**
S-Boron 6010 Total		12/01/25 14:00	05/16/26 16:20	
SG-TAL 23 Metals 6010 (incl. Hg) Total		12/01/25 14:00	11/24/25 16:20	
S-Metals Digestion		12/01/25 14:00	12/01/25 16:20	
Containers Supplied:				
2 oz amber glass jar (B)				

Released By	Date	Received By	Date
11/21/25 1405			11-21 17-
Released By	Date	Received By	Date
11-21 1841			11-21/25-1845

East Hampton, NY 11937 CHAIN OF CUSTODY RECORD (See Back) 25K1216 Page 5 of 6

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name: H2M Group Consultant: H2M Group

Consultant Address: 1 Fairchild Square, Clifton Park, NY

Consultant Phone: 518-877-7101 Project Name: County Fire Department

Project Location: 3 Cooper Boulevard, Saratoga, NY

Project Number: E7572

Fax/Spill Number: 851080

Project Manager: Mark Wamble

Pace Analytical Quote Name / Number: Bid Sheet

Invoice Recipient: H2M

Samples By: Kyle Dennison

Turnaround Time: DEC Standard 21 calendar day; Due Date: 5-DAY

Rush (Prior Approval Required): 1-Day 2-Day 3-Day; 4-Day 5-Day 10-Day

Data Delivery: Format: PDF EDDs; Other: Cert & Invoice only

CLP Like Level of Data Pkg Required:

Email To: mark.wamble@h2m.com; jake.gray@h2m.com

Fax To #:

ANALYSIS REQUESTED (Circle Requested Analyses Using Lab #)

Lab #	Sample ID / Description	Sample Matrix	Date Collected	Time Collected	Composite	Grab	# of Containers	Preservation Code	Container Code	B260: BTEX, TCL / Oxygenates / CP-51	REMOVE DER TO CP-51	1,4-Dioxane SIM	8082 PCBs	8151 Herbicides	TCLP RCRA 8 Metals	PFAS 1633	PFAS 537 ID	Total Solids
1	D-3 (2-4')		11/19/25	1420		X	5	U			1				1		1	
2	D-3 (8-10')		11/19/25	1425		X	5	U			1				1		1	
3	E-2 (6-8')		11/19/25	1550		X	5	U			1				1		1	
4	E-2 (10-12')		11/19/25	1555		X	5	U			1				1		1	
5	E-1 (4-6')		11/19/25	1615		X	5	U			1				1		1	
6	E-1 (8-10')		11/19/25	1620		X	5	U			1				1		1	

Comments: See COC Attachment

Please use the following codes to indicate possible sample concentration within the Conc Code column above: H = High; M = Medium; L = Low; C = Clean; U = Unknown

Matrix Codes: GW = Groundwater; WW = Waste Water; DW = Drinking Water; A = Air; S = Soil; SL = Sludge; SOL = Solid; O = Other (please define)

Preservation Codes: I = Iced; H = HCL; M = MeOH; N = Nitric Acid; S = Sulfuric Acid; B = Sodium Hydroxide; X = Sodium Hydroxide + Zinc Acetate; T = Sodium Thiosulfate; O = Other (please define)

Container Codes: A = Amber Glass; G = Glass; P = Plastic; ST = Sterile; V = Vial; S = Summa Canister; T = Tedlar Bag; O = Other (please define)

Relinquished by: (Signature) HRD — Date/Time: 11/19/25 1425

Received by: (Signature) Foodchain 7-Day (PACE) — Date/Time: 11/19/25 11:25

Relinquished by: (Signature) Foodchain 7-Day (PACE) — Date/Time: 11/19/25 11:25

Received by: (Signature) Foodchain 7-Day (PACE) — Date/Time: 11/19/25 11:25

Relinquished by: (Signature) — Date/Time: 11-19-25 16:37

Received by: (Signature) — Date/Time:

Program & Regulatory Information: AWQ STDS; NYC Sewer Discharge; Part 360 GW (Landfill); NY Restricted Use; NY Unrestricted Use; NY Part 375; NY TOGS; NY CP-51

Deliverables: Enhanced Data Package; NYSDEC EQuIS EDD; EQuIS (Standard) EDD; NY Regulatory EDD; NY Regs Hits-Only EDD

Project Entity: Government; Federal; City; Municipality; NYS; Brownfield; MWRA; School; WWTP; WRTA

Driver: Chromatogram; AWA-LAP, LLC

PCB ONLY: Soxhlet; Non-Soxhlet

Metals

Inorganic Data
(ICP Analysis)

Form 1
METALS

Client	: Pace New England	Lab Number	: L2574897
Project Name	: 25K1216	Project Number	: 25K1216
Lab ID	: L2574897-01	Date Collected	: 11/17/25 15:20
Client ID	: D-3 (0-2IN)	Date Received	: 11/21/25
Sample Location	:	Date Analyzed	: 11/28/25 07:24
Sample Matrix	: SOIL	Dilution Factor	: 2
Analytical Method	: 1,6010D	Analyst	: LRS
Lab File ID	: WG2147204.pdf	Instrument ID	: TRACE11
Sample Amount	: 1.268g	%Solids	: 82
Digestion Method	: EPA 3050B	Date Digested	: 11/25/25

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	6420	9.62	3.12	
7440-36-0	Antimony, Total	ND	4.81	3.70	U
7440-38-2	Arsenic, Total	6.03	0.962	0.415	
7440-39-3	Barium, Total	79.1	0.962	0.102	
7440-41-7	Beryllium, Total	0.351	0.481	0.053	J
7440-42-8	Boron, Total	3.04	2.88	0.555	
7440-43-9	Cadmium, Total	0.345	0.962	0.053	J
7440-70-2	Calcium, Total	3600	9.62	5.45	
7440-47-3	Chromium, Total	12.9	0.962	0.816	
7440-48-4	Cobalt, Total	6.58	1.92	0.238	
7440-50-8	Copper, Total	18.3	0.962	0.218	
7439-89-6	Iron, Total	15100	4.81	1.01	
7439-92-1	Lead, Total	28.3	4.81	0.229	
7439-95-4	Magnesium, Total	2660	9.62	1.57	
7439-96-5	Manganese, Total	459	0.962	0.516	
7440-02-0	Nickel, Total	14.5	2.40	0.777	
7440-09-7	Potassium, Total	471	240	48.8	
7782-49-2	Selenium, Total	0.499	1.92	0.316	J
7440-22-4	Silver, Total	ND	0.481	0.287	U
7440-23-5	Sodium, Total	143	192	102.	J
7440-28-0	Thallium, Total	ND	1.92	0.868	U
7440-62-2	Vanadium, Total	10.1	0.962	0.145	
7440-66-6	Zinc, Total	67.0	4.81	0.583	

Form 1
METALS

Client	: Pace New England	Lab Number	: L2574897
Project Name	: 25K1216	Project Number	: 25K1216
Lab ID	: L2574897-02	Date Collected	: 11/17/25 15:25
Client ID	: D-3 (2-12IN)	Date Received	: 11/21/25
Sample Location	:	Date Analyzed	: 11/28/25 07:26
Sample Matrix	: SOIL	Dilution Factor	: 2
Analytical Method	: 1,6010D	Analyst	: LRS
Lab File ID	: WG2147204.pdf	Instrument ID	: TRACE11
Sample Amount	: 1.262g	%Solids	: 87
Digestion Method	: EPA 3050B	Date Digested	: 11/25/25

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	6760	9.11	2.96	
7440-36-0	Antimony, Total	ND	4.55	3.51	U
7440-38-2	Arsenic, Total	5.68	0.911	0.393	
7440-39-3	Barium, Total	80.0	0.911	0.097	
7440-41-7	Beryllium, Total	0.372	0.455	0.050	J
7440-42-8	Boron, Total	2.78	2.73	0.526	
7440-43-9	Cadmium, Total	0.645	0.911	0.050	J
7440-70-2	Calcium, Total	5200	9.11	5.16	
7440-47-3	Chromium, Total	11.5	0.911	0.772	
7440-48-4	Cobalt, Total	7.16	1.82	0.226	
7440-50-8	Copper, Total	22.8	0.911	0.207	
7439-89-6	Iron, Total	15600	4.55	0.956	
7439-92-1	Lead, Total	44.4	4.55	0.217	
7439-95-4	Magnesium, Total	2880	9.11	1.48	
7439-96-5	Manganese, Total	440	0.911	0.488	
7440-02-0	Nickel, Total	16.9	2.28	0.736	
7440-09-7	Potassium, Total	469	228	46.2	
7782-49-2	Selenium, Total	ND	1.82	0.300	U
7440-22-4	Silver, Total	ND	0.455	0.271	U
7440-23-5	Sodium, Total	357	182	96.5	
7440-28-0	Thallium, Total	ND	1.82	0.822	U
7440-62-2	Vanadium, Total	10.2	0.911	0.138	
7440-66-6	Zinc, Total	86.6	4.55	0.552	

Form 1
METALS

Client	: Pace New England	Lab Number	: L2574897
Project Name	: 25K1216	Project Number	: 25K1216
Lab ID	: L2574897-03	Date Collected	: 11/17/25 15:50
Client ID	: E-2 (0-2IN)	Date Received	: 11/21/25
Sample Location	:	Date Analyzed	: 11/28/25 07:28
Sample Matrix	: SOIL	Dilution Factor	: 2
Analytical Method	: 1,6010D	Analyst	: LRS
Lab File ID	: WG2147204.pdf	Instrument ID	: TRACE11
Sample Amount	: 1.305g	%Solids	: 81
Digestion Method	: EPA 3050B	Date Digested	: 11/25/25

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	5680	9.46	3.07	
7440-36-0	Antimony, Total	ND	4.73	3.64	U
7440-38-2	Arsenic, Total	4.26	0.946	0.409	
7440-39-3	Barium, Total	78.4	0.946	0.100	
7440-41-7	Beryllium, Total	0.303	0.473	0.052	J
7440-42-8	Boron, Total	3.20	2.84	0.546	
7440-43-9	Cadmium, Total	0.230	0.946	0.052	J
7440-70-2	Calcium, Total	7820	9.46	5.36	
7440-47-3	Chromium, Total	8.38	0.946	0.802	
7440-48-4	Cobalt, Total	6.16	1.89	0.235	
7440-50-8	Copper, Total	14.3	0.946	0.215	
7439-89-6	Iron, Total	13400	4.73	0.993	
7439-92-1	Lead, Total	16.1	4.73	0.225	
7439-95-4	Magnesium, Total	3260	9.46	1.54	
7439-96-5	Manganese, Total	500	0.946	0.507	
7440-02-0	Nickel, Total	13.2	2.36	0.764	
7440-09-7	Potassium, Total	534	236	48.0	
7782-49-2	Selenium, Total	ND	1.89	0.311	U
7440-22-4	Silver, Total	ND	0.473	0.282	U
7440-23-5	Sodium, Total	ND	189	100.	U
7440-28-0	Thallium, Total	ND	1.89	0.853	U
7440-62-2	Vanadium, Total	8.43	0.946	0.143	
7440-66-6	Zinc, Total	58.4	4.73	0.573	

Form 1
METALS

Client	: Pace New England	Lab Number	: L2574897
Project Name	: 25K1216	Project Number	: 25K1216
Lab ID	: L2574897-04	Date Collected	: 11/17/25 15:55
Client ID	: E-2 (2-12IN)	Date Received	: 11/21/25
Sample Location	:	Date Analyzed	: 11/28/25 07:46
Sample Matrix	: SOIL	Dilution Factor	: 2
Analytical Method	: 1,6010D	Analyst	: LRS
Lab File ID	: WG2147204.pdf	Instrument ID	: TRACE11
Sample Amount	: 1.313g	%Solids	: 91
Digestion Method	: EPA 3050B	Date Digested	: 11/25/25

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	5060	8.35	2.71	
7440-36-0	Antimony, Total	ND	4.18	3.22	U
7440-38-2	Arsenic, Total	4.30	0.835	0.361	
7440-39-3	Barium, Total	73.4	0.835	0.089	
7440-41-7	Beryllium, Total	0.281	0.418	0.046	J
7440-42-8	Boron, Total	2.26	2.50	0.482	J
7440-43-9	Cadmium, Total	0.202	0.835	0.046	J
7440-70-2	Calcium, Total	18500	8.35	4.74	
7440-47-3	Chromium, Total	8.25	0.835	0.708	
7440-48-4	Cobalt, Total	5.46	1.67	0.207	
7440-50-8	Copper, Total	13.9	0.835	0.190	
7439-89-6	Iron, Total	12700	4.18	0.877	
7439-92-1	Lead, Total	18.2	4.18	0.199	
7439-95-4	Magnesium, Total	3250	8.35	1.36	
7439-96-5	Manganese, Total	502	0.835	0.448	
7440-02-0	Nickel, Total	11.8	2.09	0.675	
7440-09-7	Potassium, Total	424	209	42.3	
7782-49-2	Selenium, Total	ND	1.67	0.275	U
7440-22-4	Silver, Total	ND	0.418	0.249	U
7440-23-5	Sodium, Total	ND	167	88.5	U
7440-28-0	Thallium, Total	ND	1.67	0.753	U
7440-62-2	Vanadium, Total	7.69	0.835	0.126	
7440-66-6	Zinc, Total	49.2	4.18	0.506	

Form 1
METALS

Client	: Pace New England	Lab Number	: L2574897
Project Name	: 25K1216	Project Number	: 25K1216
Lab ID	: L2574897-05	Date Collected	: 11/17/25 16:15
Client ID	: E-3 (0-2IN)	Date Received	: 11/21/25
Sample Location	:	Date Analyzed	: 11/28/25 07:48
Sample Matrix	: SOIL	Dilution Factor	: 2
Analytical Method	: 1,6010D	Analyst	: LRS
Lab File ID	: WG2147204.pdf	Instrument ID	: TRACE11
Sample Amount	: 1.282g	%Solids	: 82
Digestion Method	: EPA 3050B	Date Digested	: 11/25/25

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	5420	9.48	3.08	
7440-36-0	Antimony, Total	ND	4.74	3.65	U
7440-38-2	Arsenic, Total	5.34	0.948	0.409	
7440-39-3	Barium, Total	76.9	0.948	0.100	
7440-41-7	Beryllium, Total	0.272	0.474	0.052	J
7440-42-8	Boron, Total	3.01	2.84	0.547	
7440-43-9	Cadmium, Total	0.154	0.948	0.052	J
7440-70-2	Calcium, Total	13200	9.48	5.37	
7440-47-3	Chromium, Total	9.36	0.948	0.804	
7440-48-4	Cobalt, Total	5.80	1.90	0.235	
7440-50-8	Copper, Total	14.4	0.948	0.215	
7439-89-6	Iron, Total	13400	4.74	0.995	
7439-92-1	Lead, Total	11.6	4.74	0.226	
7439-95-4	Magnesium, Total	3780	9.48	1.54	
7439-96-5	Manganese, Total	521	0.948	0.508	
7440-02-0	Nickel, Total	13.2	2.37	0.766	
7440-09-7	Potassium, Total	538	237	48.0	
7782-49-2	Selenium, Total	ND	1.90	0.312	U
7440-22-4	Silver, Total	ND	0.474	0.282	U
7440-23-5	Sodium, Total	ND	190	100.	U
7440-28-0	Thallium, Total	ND	1.90	0.855	U
7440-62-2	Vanadium, Total	8.28	0.948	0.143	
7440-66-6	Zinc, Total	58.4	4.74	0.574	

Form 1
METALS

Client	: Pace New England	Lab Number	: L2574897
Project Name	: 25K1216	Project Number	: 25K1216
Lab ID	: L2574897-06	Date Collected	: 11/17/25 16:20
Client ID	: E-3 (2-12IN)	Date Received	: 11/21/25
Sample Location	:	Date Analyzed	: 11/28/25 07:50
Sample Matrix	: SOIL	Dilution Factor	: 2
Analytical Method	: 1,6010D	Analyst	: LRS
Lab File ID	: WG2147204.pdf	Instrument ID	: TRACE11
Sample Amount	: 1.274g	%Solids	: 90
Digestion Method	: EPA 3050B	Date Digested	: 11/25/25

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	4950	8.69	2.82	
7440-36-0	Antimony, Total	ND	4.35	3.35	U
7440-38-2	Arsenic, Total	3.81	0.869	0.376	
7440-39-3	Barium, Total	57.2	0.869	0.092	
7440-41-7	Beryllium, Total	0.242	0.435	0.048	J
7440-42-8	Boron, Total	1.97	2.61	0.502	J
7440-43-9	Cadmium, Total	0.141	0.869	0.048	J
7440-70-2	Calcium, Total	17600	8.69	4.93	
7440-47-3	Chromium, Total	8.91	0.869	0.737	
7440-48-4	Cobalt, Total	5.02	1.74	0.216	
7440-50-8	Copper, Total	14.7	0.869	0.197	
7439-89-6	Iron, Total	12100	4.35	0.913	
7439-92-1	Lead, Total	11.0	4.35	0.207	
7439-95-4	Magnesium, Total	4980	8.69	1.42	
7439-96-5	Manganese, Total	444	0.869	0.466	
7440-02-0	Nickel, Total	11.7	2.17	0.702	
7440-09-7	Potassium, Total	393	217	44.1	
7782-49-2	Selenium, Total	ND	1.74	0.286	U
7440-22-4	Silver, Total	ND	0.435	0.259	U
7440-23-5	Sodium, Total	ND	174	92.1	U
7440-28-0	Thallium, Total	ND	1.74	0.784	U
7440-62-2	Vanadium, Total	8.71	0.869	0.131	
7440-66-6	Zinc, Total	51.0	4.35	0.527	

Form 1
METALS

Client	: Pace New England	Lab Number	: L2574897
Project Name	: 25K1216	Project Number	: 25K1216
Lab ID	: WG2146092-1	Date Collected	: NA
Client ID	: WG2146092-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 11/28/25 07:19
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,6010D	Analyst	: LRS
Lab File ID	: WG2147204.pdf	Instrument ID	: TRACE11
Sample Amount	: 1.25g	%Solids	: NA
Digestion Method	: EPA 3050B	Date Digested	: 11/25/25

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	ND	4.00	1.30	U
7440-36-0	Antimony, Total	ND	2.00	1.54	U
7440-38-2	Arsenic, Total	ND	0.400	0.173	U
7440-39-3	Barium, Total	ND	0.400	0.042	U
7440-41-7	Beryllium, Total	ND	0.200	0.022	U
7440-42-8	Boron, Total	ND	1.20	0.231	U
7440-43-9	Cadmium, Total	ND	0.400	0.022	U
7440-70-2	Calcium, Total	ND	4.00	2.27	U
7440-47-3	Chromium, Total	ND	0.400	0.339	U
7440-48-4	Cobalt, Total	ND	0.800	0.099	U
7440-50-8	Copper, Total	ND	0.400	0.091	U
7439-89-6	Iron, Total	0.608	2.00	0.420	J
7439-92-1	Lead, Total	ND	2.00	0.095	U
7439-95-4	Magnesium, Total	ND	4.00	0.652	U
7439-96-5	Manganese, Total	ND	0.400	0.214	U
7440-02-0	Nickel, Total	ND	1.00	0.323	U
7440-09-7	Potassium, Total	ND	100	20.3	U
7782-49-2	Selenium, Total	ND	0.800	0.132	U
7440-22-4	Silver, Total	ND	0.200	0.119	U
7440-23-5	Sodium, Total	ND	80.0	42.4	U
7440-28-0	Thallium, Total	ND	0.800	0.361	U
7440-62-2	Vanadium, Total	ND	0.400	0.060	U
7440-66-6	Zinc, Total	ND	2.00	0.242	U

Form 1
METALS

Client	: Pace New England	**Lab Number**	: L2574897
Project Name	: 25K1216	**Project Number**	: 25K1216
Lab ID	: WG2146092-6	**Date Collected**	:
Client ID	: Serial Dilution	**Date Received**	:
Sample Location	:	**Date Analyzed**	: 11/28/25 07:39
Sample Matrix	: SOIL	**Dilution Factor**	: 10
Analytical Method	: 1,6010D	**Analyst**	: LRS
Lab File ID	: WG2147204.pdf	**Instrument ID**	: TRACE11
Sample Amount	: 1.309g	**%Solids**	: NA
Digestion Method	: EPA 3050B	**Date Digested**	: 11/25/25

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Total	5690	45.6	14.8	
7440-39-3	Barium, Total	75.1	4.56	0.484	
7440-70-2	Calcium, Total	2850	45.6	25.9	
7439-89-6	Iron, Total	13600	22.8	4.79	
7439-95-4	Magnesium, Total	2250	45.6	7.44	
7439-96-5	Manganese, Total	447.	4.56	2.45	

Form 1
METALS

Client	: Pace New England	Lab Number	: L2574897
Project Name	: 25K1216	Project Number	: 25K1216
Lab ID	: WG2146092-10	Date Collected	:
Client ID	: Serial Dilution	Date Received	:
Sample Location	:	Date Analyzed	: 11/28/25 08:05
Sample Matrix	: SOIL	Dilution Factor	: 10
Analytical Method	: 1,6010D	Analyst	: LRS
Lab File ID	: WG2147204.pdf	Instrument ID	: TRACE11
Sample Amount	: 1.3g	%Solids	: NA
Digestion Method	: EPA 3050B	Date Digested	: 11/25/25

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	6540	46.2	15.0	
7440-39-3	Barium, Total	83.7	4.62	0.490	
7440-70-2	Calcium, Total	3470	46.2	26.2	
7439-89-6	Iron, Total	15400	23.1	4.85	
7439-95-4	Magnesium, Total	2530	46.2	7.54	
7439-96-5	Manganese, Total	510.	4.62	2.48	

Form 2A
Initial and Continuing Calibration Verification

Client	: Pace New England	**Lab Number**	: L2574897
Project Name	: 25K1216	**Project Number**	: 25K1216
Instrument ID	: TRACE11	**Units**	: mg/l

		Initial Calibration			Continuing Calibration(s)						
Lab ID	:	R2041517-1									
Date Analyzed	:	11/28/25 06:22									
Parameter		**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum		0.500	0.4750	95							
Antimony		0.500	0.5060	101							
Arsenic		0.500	0.4740	95							
Barium		0.500	0.4860	97							
Beryllium		0.500	0.4970	99							
Boron		0.500	0.4920	98							
Cadmium		0.500	0.5110	102							
Calcium		0.500	0.4850	97							
Chromium		0.500	0.5060	101							
Cobalt		0.500	0.5100	102							
Copper		0.500	0.5150	103							
Iron		0.500	0.4890	98							
Lead		0.500	0.4910	98							
Magnesium		0.500	0.4990	100							
Manganese		0.500	0.5000	100							
Nickel		0.500	0.5120	102							
Potassium		5.00	5.0700	101							
Selenium		0.500	0.4760	95							
Silver		0.500	0.5020	100							
Sodium		10.0	10.0000	100							
Thallium		0.500	0.4990	100							
Vanadium		0.500	0.5090	102							
Zinc		0.500	0.5080	102							

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: Pace New England	**Lab Number**	: L2574897
Project Name	: 25K1216	**Project Number**	: 25K1216
Instrument ID	: TRACE11	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :	R2041517-3			R2041517-6			R2041517-8		R2041517-10	
Date Analyzed :	11/28/25 06:26			11/28/25 07:05			11/28/25 07:41		11/28/25 08:07	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum	0.500	0.4800	96	0.5000	0.479	96	0.480	96	0.482	96
Antimony	0.500	0.5100	102	0.5000	0.518	104	0.508	102	0.511	102
Arsenic	0.500	0.4760	95	0.5000	0.479	96	0.480	96	0.480	96
Barium	0.500	0.4940	99	0.5000	0.496	99	0.499	100	0.499	100
Beryllium	0.500	0.5010	100	0.5000	0.504	101	0.506	101	0.505	101
Boron	0.500	0.4960	99	0.5000	0.494	99	0.492	98	0.492	98
Cadmium	0.500	0.5110	102	0.5000	0.515	103	0.512	102	0.515	103
Calcium	0.500	0.4870	97	0.5000	0.490	98	0.494	99	0.494	99
Chromium	0.500	0.5070	101	0.5000	0.511	102	0.508	102	0.511	102
Cobalt	0.500	0.5110	102	0.5000	0.512	102	0.512	102	0.512	102
Copper	0.500	0.5170	103	0.5000	0.520	104	0.516	103	0.515	103
Iron	0.500	0.4900	98	0.5000	0.496	99	0.498	100	0.497	99
Lead	0.500	0.4960	99	0.5000	0.496	99	0.496	99	0.494	99
Magnesium	0.500	0.4980	100	0.5000	0.500	100	0.504	101	0.503	101
Manganese	0.500	0.5030	101	0.5000	0.505	101	0.507	101	0.507	101
Nickel	0.500	0.5130	103	0.5000	0.514	103	0.512	102	0.514	103
Potassium	5.00	5.1100	102	5.0000	5.14	103	5.13	103	5.15	103
Selenium	0.500	0.4760	95	0.5000	0.480	96	0.481	96	0.480	96
Silver	0.500	0.5060	101	0.5000	0.506	101	0.503	101	0.504	101
Sodium	10.0	10.0000	100	10.0000	10.1	101	10.1	101	10.1	101
Thallium	0.500	0.5030	101	0.5000	0.505	101	0.505	101	0.500	100
Vanadium	0.500	0.5090	102	0.5000	0.511	102	0.508	102	0.510	102
Zinc	0.500	0.5080	102	0.5000	0.512	102	0.509	102	0.513	103

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)

Form 3
Blanks

Client	: Pace New England	**Lab Number**	: L2574897
Project Name	: 25K1216	**Project Number**	: 25K1216
Instrument ID	: TRACE11		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :	R2041517-2		R2041517-7		R2041517-9		R2041517-11		WG2146092-1	
Date Analyzed :	11/28/25 06:24		11/28/25 07:07		11/28/25 07:43		11/28/25 08:09		11/28/25 07:19	
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q	mg/kg	Q
Aluminum	0.0325	U	0.0325	U	0.0325	U	0.0325	U	1.30	U
Antimony	0.0385	U	0.0385	U	0.0385	U	0.0385	U	1.54	U
Arsenic	0.00432	U	0.00432	U	0.00432	U	0.00432	U	0.173	U
Barium	0.00106	U	0.00106	U	0.00106	U	0.00106	U	0.042	U
Beryllium	0.000550	U	0.000550	U	0.000550	U	0.000550	U	0.022	U
Boron	0.00577	U	0.00577	U	0.00577	U	0.00577	U	0.231	U
Cadmium	0.000550	U	0.000550	U	0.000550	U	0.000550	U	0.022	U
Calcium	0.0567	U	0.0567	U	0.0567	U	0.0567	U	2.27	U
Chromium	0.00848	U	0.00848	U	0.00848	U	0.00848	U	0.339	U
Cobalt	0.00248	U	0.00248	U	0.00248	U	0.00248	U	0.099	U
Copper	0.00227	U	0.00227	U	0.00227	U	0.00227	U	0.091	U
Iron	0.0105	U	0.0105	U	0.0105	U	0.0105	U	0.608	J
Lead	0.00238	U	0.00238	U	0.00238	U	0.00238	U	0.095	U
Magnesium	0.0163	U	0.0163	U	0.0163	U	0.0163	U	0.652	U
Manganese	0.00536	U	0.00536	U	0.00536	U	0.00536	U	0.214	U
Nickel	0.00808	U	0.00808	U	0.00808	U	0.00808	U	0.323	U
Potassium	0.507	U	0.507	U	0.507	U	0.507	U	20.3	U
Selenium	0.00329	U	0.00329	U	0.00329	U	0.00329	U	0.132	U
Silver	0.00298	U	0.00298	U	0.00298	U	0.00298	U	0.119	U
Sodium	1.06	U	1.06	U	1.06	U	1.06	U	42.4	U
Thallium	0.00902	U	0.00902	U	0.00902	U	0.00902	U	0.361	U
Vanadium	0.00151	U	0.00151	U	0.00151	U	0.00151	U	0.060	U
Zinc	0.00606	U	0.00606	U	0.00606	U	0.00606	U	0.242	U

Form 3
Blanks

Client	: Pace New England	**Lab Number**	: L2574897
Project Name	: 25K1216	**Project Number**	: 25K1216
Instrument ID	:		

		Initial Calibration Blank	Continuing Calibration Blank(s)			Preparation Blank
Lab ID	:	R2041517-4				
Date Analyzed	:	11/28/25 06:29				
Parameter		**mg/l** **Q**	**Q**	**Q**	**Q**	**Q**
Aluminum		0.0325 U				
Antimony		0.0385 U				
Arsenic		0.00432 U				
Barium		0.00106 U				
Beryllium		0.000550 U				
Boron		0.00577 U				
Cadmium		0.000550 U				
Calcium		0.0567 U				
Chromium		0.00848 U				
Cobalt		0.00248 U				
Copper		0.00227 U				
Iron		0.0105 U				
Lead		0.00238 U				
Magnesium		0.0163 U				
Manganese		0.00536 U				
Nickel		0.00808 U				
Potassium		0.507 U				
Selenium		0.00329 U				
Silver		0.00298 U				
Sodium		1.06 U				
Thallium		0.00902 U				
Vanadium		0.00151 U				
Zinc		0.00606 U				

Form 4a
Interference Check Sample

Client	: Pace New England	**Lab Number**	: L2574897
Project Name	: 25K1216	**Project Number**	: 25K1216
Instrument ID	: TRACE11	**Concentration Units**	: mg/l

	True		Initial Found				Final Found			
Lab ID :			R2041517-5							
Analysis Date :			11/28/25 06:33							
Analyte	Sol. A	Sol. AB	Sol. A	%R	Sol. AB	%R	Sol. A	%R	Sol. AB	%R
Aluminum	500		511.	102						
Antimony			-0.00140							
Arsenic			-0.00312							
Barium			0.00165							
Beryllium			0.00000784							
Boron			0.00388							
Cadmium			0.000675							
Calcium	500		468.	94						
Chromium			0.000691							
Cobalt			0.000788							
Copper			0.00812							
Iron	200		185.	92						
Lead			-0.00260							
Magnesium	500		492.	98						
Manganese			-0.00176							
Nickel			0.000908							
Potassium			0.0679							
Selenium			0.00173							
Silver			0.00241							
Sodium			0.0248							
Thallium			-0.00257							
Vanadium			-0.00277							
Zinc			0.00156							

Acceptance Criteria: Methods 200.7, 200.8, 6010, 6020

ICSA: 80-120%

ICSAB: 80-120%

Form 5a
Matrix Spike

Client	: Pace New England	Lab Number	: L2574897
Project Name	: 25K1216	Project Number	: 25K1216
Client Sample ID	: NA	Matrix	: SOIL
Lab Sample ID	: L2574898-13		
Matrix Spike	: WG2146092-3	MS Analysis Date	: 11/28/25 07:32
Matrix Spike Dup	: WG2146092-4	MSD Analysis Date	: 11/28/25 07:35

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/kg)	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	RPD	Recovery Limits	RPD Limit
Aluminum, Total	5900	181	6480	321 Q	180	6490	328 Q	0	75-125	20
Antimony, Total	ND	45.2	21.0	46 Q	45	20.3	45 Q	3	75-125	20
Arsenic, Total	7.28	10.8	16.9	89	10.8	16.9	89	0	75-125	20
Barium, Total	78.2	181	268	105	180	265	104	1	75-125	20
Beryllium, Total	0.423J	4.52	5.24	116	4.5	5.17	115	1	75-125	20
Boron, Total	7.11	90.4	91.5	93	90	90.8	93	1	75-125	20
Cadmium, Total	0.819J	4.79	5.76	120	4.77	5.67	119	2	75-125	20
Calcium, Total	2960	904	4750	198 Q	900	6540	398 Q	32 Q	75-125	20
Chromium, Total	8.77	18.1	27.9	106	18	28.4	109	2	75-125	20
Cobalt, Total	8.07	45.2	54.0	102	45	53.1	100	2	75-125	20
Copper, Total	15.7	22.6	40.7	110	22.5	40.4	110	1	75-125	20
Iron, Total	13800	90.4	14600	884 Q	90	14400	667 Q	1	75-125	20
Lead, Total	68.1	47.9	118	104	47.7	117	102	1	75-125	20
Magnesium, Total	2230	904	3280	116	900	3250	113	1	75-125	20
Manganese, Total	458	45.2	530	159 Q	45	521	140 Q	2	75-125	20
Nickel, Total	15.7	45.2	62.8	104	45	67.0	114	6	75-125	20
Potassium, Total	640	904	1460	91	900	1470	92	1	75-125	20
Selenium, Total	0.533J	10.8	11.2	103	10.8	10.8	100	4	75-125	20
Silver, Total	ND	4.52	4.80	106	4.5	4.79	106	0	75-125	20
Sodium, Total	ND	904	964	106	900	961	107	0	75-125	20
Thallium, Total	ND	10.8	10.4	96	10.8	10.5	97	1	75-125	20
Vanadium, Total	8.31	45.2	56.8	107	45	56.1	106	1	75-125	20
Zinc, Total	79.4	45.2	130	112	45	129	110	1	75-125	20

Form 5a
Matrix Spike

Client	: Pace New England	Lab Number	: L2574897
Project Name	: 25K1216	Project Number	: 25K1216
Client Sample ID	: NA	Matrix	: SOIL
Lab Sample ID	: L2574898-14		
Matrix Spike	: WG2146092-7	MS Analysis Date	: 11/28/25 07:58
Matrix Spike Dup	: WG2146092-8	MSD Analysis Date	: 11/28/25 08:01

		Matrix Spike Sample				Matrix Spike Duplicate						
Parameter	Sample Conc. (mg/kg)	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R		Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R		RPD	Recovery Limits	RPD Limit
Aluminum, Total	6790	187	7080	155	Q	186	7140	188	Q	1	75-125	20
Antimony, Total	ND	46.7	20.0	43	Q	46.5	21.0	45	Q	5	75-125	20
Arsenic, Total	7.82	11.2	18.0	91		11.2	17.3	85		4	75-125	20
Barium, Total	87.3	187	278	102		186	277	102		0	75-125	20
Beryllium, Total	0.479	4.67	5.36	104		4.65	5.30	104		1	75-125	20
Boron, Total	6.50	93.5	92.9	92		93	91.7	92		1	75-125	20
Cadmium, Total	0.907J	4.95	5.93	120		4.93	5.89	120		1	75-125	20
Calcium, Total	3610	935	4480	93		930	4660	113		4	75-125	20
Chromium, Total	10.1	18.7	29.2	102		18.6	29.0	102		1	75-125	20
Cobalt, Total	9.25	46.7	55.8	100		46.5	55.5	100		1	75-125	20
Copper, Total	17.8	23.4	42.6	106		23.2	43.0	108		1	75-125	20
Iron, Total	15600	93.5	15700	107		93	15600	0	Q	1	75-125	20
Lead, Total	74.5	49.5	127	106		49.3	131	115		3	75-125	20
Magnesium, Total	2580	935	3500	98		930	3510	100		0	75-125	20
Manganese, Total	522	46.7	564	90		46.5	574	112		2	75-125	20
Nickel, Total	18.2	46.7	65.3	101		46.5	64.9	100		1	75-125	20
Potassium, Total	635	935	1480	90		930	1490	92		1	75-125	20
Selenium, Total	0.444J	11.2	11.2	100		11.2	11.0	99		2	75-125	20
Silver, Total	ND	4.67	4.95	106		4.65	4.93	106		0	75-125	20
Sodium, Total	ND	935	989	106		930	984	106		1	75-125	20
Thallium, Total	ND	11.2	10.9	97		11.2	11.1	100		2	75-125	20
Vanadium, Total	9.50	46.7	58.6	105		46.5	58.3	105		1	75-125	20
Zinc, Total	90.3	46.7	138	102		46.5	138	103		0	75-125	20

Form 7
Laboratory Control Sample

Client	: Pace New England	**Lab Number**	: L2574897
Project Name	: 25K1216	**Project Number**	: 25K1216
Client Sample ID	: NA	**Matrix**	: SOIL
Lab Sample ID	: WG2146092-2	**LCS Analysis Date**	: 11/28/25 07:22
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R	RPD	Recovery Limits	RPD Limit
Aluminum, Total	160.	170.	106.					80-120	20
Antimony, Total	40.0	41.4	104.					80-120	20
Arsenic, Total	9.60	9.80	102.					80-120	20
Barium, Total	160.	168.	105.					80-120	20
Beryllium, Total	4.00	4.26	106.					80-120	20
Boron, Total	80.0	79.6	100.					80-120	20
Cadmium, Total	4.24	4.43	104.					80-120	20
Calcium, Total	800.	819.	102.					80-120	20
Chromium, Total	16.0	16.9	106.					80-120	20
Cobalt, Total	40.0	41.4	104.					80-120	20
Copper, Total	20.0	21.3	106.					80-120	20
Iron, Total	80.0	84.5	106.					80-120	20
Lead, Total	42.4	43.1	102.					80-120	20
Magnesium, Total	800.	808.	101.					80-120	20
Manganese, Total	40.0	41.9	105.					80-120	20
Nickel, Total	40.0	41.9	105.					80-120	20
Potassium, Total	800.	824.	103.					80-120	20
Selenium, Total	9.60	9.70	101.					80-120	20
Silver, Total	4.00	4.12	103.					80-120	20
Sodium, Total	800.	838.	105.					80-120	20
Thallium, Total	9.60	9.83	102.					80-120	20
Vanadium, Total	40.0	43.0	108.					80-120	20
Zinc, Total	40.0	41.9	105.					80-120	20

Form 8
Serial Dilutions

Client	: Pace New England	**Lab Number**	: L2574897
Project Name	: 25K1216	**Project Number**	: 25K1216
Client Sample ID	: NA	**Matrix**	: SOIL
Lab Sample ID	: L2574898-13	**Analysis Date**	: 11/28/25 07:30
Serial Dilution ID	: WG2146092-6	**Analysis Date**	: 11/28/25 07:39

Parameter	Initial Sample Result (mg/kg)	Serial Dilution Result (mg/kg)	% Difference	%D Limit
Aluminum, Total	5900	5690	4	20
Barium, Total	78.2	75.1	4	20
Calcium, Total	2960	2850	4	20
Iron, Total	13800	13600	1	20
Magnesium, Total	2230	2250	1	20
Manganese, Total	458	447	2	20

Form 8
Serial Dilutions

Client	: Pace New England	**Lab Number**	: L2574897
Project Name	: 25K1216	**Project Number**	: 25K1216
Client Sample ID	: NA	**Matrix**	: SOIL
Lab Sample ID	: L2574898-14	**Analysis Date**	: 11/28/25 07:56
Serial Dilution ID	: WG2146092-10	**Analysis Date**	: 11/28/25 08:05

Parameter	Initial Sample Result (mg/kg)	Serial Dilution Result (mg/kg)	% Difference	%D Limit
Aluminum, Total	6790	6540	4	20
Barium, Total	87.3	83.7	4	20
Calcium, Total	3610	3470	4	20
Iron, Total	15600	15400	1	20
Magnesium, Total	2580	2530	2	20
Manganese, Total	522	510	2	20

U.S. EPA - CLP
10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument: TRACE4 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	__
Aluminum	396.15	0.0000000	0.0000020	-0.0000310	-0.0000090	
Antimony	206.83	-0.0000020	0.0000040	-0.0000110	-0.0000050	
Arsenic	189.04	0.0000090	-0.0000010	-0.0000700	0.0000000	
Barium	455.40	-0.0000040	-0.0000020	-0.0000110	-0.0000010	
Beryllium	313.40	-0.0000020	-0.0000020	-0.0000050	0.0000000	
Cadmium	214.44	0.0000000	-0.0000030	0.0000000	-0.0000010	
Calcium	315.89	0.0000780	0.0000000	-0.0000170	0.0000710	
Chromium	267.72	0.0000050	-0.0000020	0.0000120	0.0000000	
Cobalt	228.62	-0.0000120	-0.0000060	-0.0000250	-0.0000020	
Copper	324.75	-0.0000030	-0.0000020	-0.0000040	0.0000110	
Iron	259.94	0.0000180	-0.0000120	0.0000000	-0.0000030	
Lead	220.35	0.0001100	-0.0000010	0.0000180	-0.0000010	
Magnesium	279.08	-0.0000540	-0.0000280	0.0000190	0.0000000	
Manganese	257.61	-0.0000030	-0.0000020	-0.0000080	0.0000020	
Mercury						
Nickel	231.60	-0.0000130	-0.0000050	-0.0000240	-0.0000020	
Potassium	766.49	-0.0012590	-0.0007040	-0.0028490	-0.0002350	
Selenium	196.09	-0.0000200	0.0000000	-0.0000290	-0.0000010	
Silver	328.07	-0.0000040	-0.0000020	-0.0000090	-0.0000010	
Sodium	589.59	-0.0006160	-0.0005220	-0.0020960	-0.0001600	
Thallium	190.86	-0.0000060	-0.0000040	-0.0000050	-0.0000010	
Vanadium	292.40	-0.0000050	-0.0000030	0.0000100	-0.0000020	
Zinc	206.20	0.0002750	0.0000030	-0.0007990	-0.0000040	

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE4 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Sb	As	Ba	Be	Cd
Aluminum	396.15	0.0000000	0.0000000	0.0000000	-0.0022950	-0.0018570
Antimony	206.83	0.0000000	0.0000000	0.0000000	-0.0003900	-0.0000120
Arsenic	189.04	0.0000000	0.0000000	0.0000210	-0.0001780	-0.0001730
Barium	455.40	0.0000000	0.0000000	0.0000000	-0.0002050	-0.0002030
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000860
Cadmium	214.44	0.0000000	0.0000000	0.0000000	-0.0002090	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	-0.0020880	-0.0018790
Chromium	267.72	0.0000000	0.0000000	0.0000000	-0.0002010	-0.0003100
Cobalt	228.62	0.0000000	0.0000000	0.0000000	-0.0004810	-0.0004970
Copper	324.75	0.0000000	0.0000000	0.0000000	-0.0002330	-0.0002260
Iron	259.94	0.0000000	0.0000000	0.0000000	-0.0012310	-0.0009570
Lead	220.35	0.0000000	0.0000000	0.0000000	-0.0001700	-0.0001850
Magnesium	279.08	0.0000000	0.0000000	0.0000000	-0.0022440	-0.0017830
Manganese	257.61	0.0000000	0.0000000	0.0000000	-0.0001950	-0.0002020
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	-0.0005490	-0.0005200
Potassium	766.49	0.0000000	0.0000000	0.0000000	-0.0522980	-0.0517110
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000060	0.0000030
Silver	328.07	0.0000000	0.0000000	0.0000000	-0.0001740	-0.0001560
Sodium	589.59	0.0000000	0.0000000	0.0000000	-0.0417330	-0.0407400
Thallium	190.86	0.0000000	0.0000000	0.0000000	-0.0002650	-0.0002240
Vanadium	292.40	0.0000000	0.0000000	0.0000000	-0.0002090	-0.0002040
Zinc	206.20	0.0000000	0.0000000	0.0000000	-0.0000320	-0.0009250

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE4 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cr	Co	Cu	Pb	Mn
Aluminum	396.15	-0.0020320	-0.0005350	-0.0005960	0.0000000	-0.0003930
Antimony	206.83	0.0049920	-0.0001600	-0.0001410	0.0000000	-0.0001780
Arsenic	189.04	0.0002670	-0.0001290	-0.0000570	0.0000000	-0.0000030
Barium	455.40	-0.0002000	-0.0000500	-0.0000660	0.0000000	-0.0000350
Beryllium	313.40	-0.0000900	-0.0000220	-0.0000300	0.0000000	-0.0000110
Cadmium	214.44	-0.0000290	-0.0000520	-0.0000680	0.0000000	-0.0000270
Calcium	315.89	-0.0020720	0.0009940	-0.0005720	0.0000000	-0.0000920
Chromium	267.72	0.0000000	-0.0000480	-0.0000690	0.0000000	0.0001140
Cobalt	228.62	-0.0005870	0.0000000	-0.0001660	0.0000000	-0.0000740
Copper	324.75	-0.0002130	-0.0000490	0.0000000	0.0000000	0.0000300
Iron	259.94	-0.0010370	-0.0002940	-0.0003760	0.0000000	-0.0001890
Lead	220.35	-0.0001960	-0.0003260	0.0002710	0.0000000	0.0000640
Magnesium	279.08	-0.0024620	-0.0005640	-0.0008730	0.0000000	-0.0069760
Manganese	257.61	-0.0002060	-0.0000480	-0.0000750	0.0000000	0.0000000
Mercury						
Nickel	231.60	-0.0005230	-0.0002210	-0.0001810	0.0000000	-0.0000730
Potassium	766.49	-0.0512430	-0.0126240	-0.0178480	0.0000000	-0.0089880
Selenium	196.09	-0.0000520	0.0000530	-0.0000240	0.0000000	0.0003780
Silver	328.07	-0.0001430	-0.0000370	-0.0000450	0.0000000	0.0001940
Sodium	589.59	-0.0407180	-0.0097580	-0.0137660	0.0000000	-0.0070470
Thallium	190.86	-0.0000390	0.0020440	-0.0000840	-0.0000200	0.0003990
Vanadium	292.40	-0.0002210	-0.0000500	-0.0000650	0.0000000	0.0001060
Zinc	206.20	-0.0012900	0.0000070	0.0003430	0.0001200	-0.0001520

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE4 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Ni	K	Se	Ag	Na
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Mo
Aluminum	396.15	0.0000000	0.0000960	0.0000000	0.0000000	0.0573510
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0016160
Arsenic	189.04	-0.0000310	0.0000000	0.0000000	0.0000000	0.0009550
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000010	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0009910
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000120
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0004030
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0003010	0.0000000	0.0000210	0.0000000	-0.0026290
Magnesium	279.08	0.0000000	0.0000000	0.0001760	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000340	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000180
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000310	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Sb	As	Ba	Be	Cd
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cr	Co	Cu	Pb	Mn
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0114090	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0003850	-0.0000480	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0007800	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	-0.0092850
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	-0.0001620	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000620	0.0000000	0.0000000	0.0006770
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	-0.0019910	0.0000000	0.0000000	0.0000000	-0.0004360
Zinc	206.20					

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Ni	K	Se	Ag	Na
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000930	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0002270	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	-0.0003390	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Tl	V	Zn		
Aluminum	396.15	0.0000000	0.0000000	0.0000000		
Antimony	206.83	0.0000000	0.0000000	0.0000000		
Arsenic	189.04	0.0000000	0.0000000	0.0000000		
Barium	455.40	0.0000000	0.0000000	0.0000000		
Beryllium	313.40	0.0000000	0.0018940	0.0000000		
Cadmium	214.44	0.0000000	0.0000000	0.0000000		
Calcium	315.89	0.0000000	0.0000000	0.0000000		
Chromium	267.72	0.0000000	0.0000000	0.0000000		
Cobalt	228.62	0.0017990	0.0000000	0.0000000		
Copper	324.75	0.0000000	-0.0003720	0.0000000		
Iron	259.94	0.0000000	0.0000000	0.0000000		
Lead	220.35	0.0000000	-0.0001170	0.0000000		
Magnesium	279.08	0.0000000	0.0000000	0.0000000		
Manganese	257.61	0.0000000	0.0000000	0.0000000		
Mercury						
Nickel	231.60	0.0005790	0.0000000	0.0000000		
Potassium	766.49	0.0000000	0.0000000	0.0000000		
Selenium	196.09	0.0000000	0.0000000	0.0000000		
Silver	328.07	0.0000000	-0.0017200	0.0000000		
Sodium	589.59	0.0000000	0.0000000	0.0000000		
Thallium	190.86	0.0000000	0.0002820	0.0000000		
Vanadium	292.40	0.0000000	0.0000000	0.0000000		
Zinc	206.20	0.0000000	0.0000000	0.0000000		

Comments:

U.S. EPA - CLP
10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____

Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____

ICP-AES Instrument: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Mo
Aluminum	396.15	0.0000000	0.0000960	0.0000000	0.0000000	0.0573510
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0016160
Arsenic	189.04	-0.0000310	0.0000000	0.0000000	0.0000000	0.0009550
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000010	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0009910
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000120
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0004030
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0003010	0.0000000	0.0000210	0.0000000	-0.0026290
Magnesium	279.08	0.0000000	0.0000000	0.0001760	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000340	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000180
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000310	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Sb	As	Ba	Be	Cd
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cr	Co	Cu	Pb	Mn
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0114090	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0003850	-0.0000480	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0007800	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	-0.0092850
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	-0.0001620	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000620	0.0000000	0.0000000	0.0006770
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	-0.0019910	0.0000000	0.0000000	0.0000000	-0.0004360
Zinc	206.20					

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Ni	K	Se	Ag	Na
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000930	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0002270	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	-0.0003390	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Tl	V	Zn		
Aluminum	396.15	0.0000000	0.0000000	0.0000000		
Antimony	206.83	0.0000000	0.0000000	0.0000000		
Arsenic	189.04	0.0000000	0.0000000	0.0000000		
Barium	455.40	0.0000000	0.0000000	0.0000000		
Beryllium	313.40	0.0000000	0.0018940	0.0000000		
Cadmium	214.44	0.0000000	0.0000000	0.0000000		
Calcium	315.89	0.0000000	0.0000000	0.0000000		
Chromium	267.72	0.0000000	0.0000000	0.0000000		
Cobalt	228.62	0.0017990	0.0000000	0.0000000		
Copper	324.75	0.0000000	-0.0003720	0.0000000		
Iron	259.94	0.0000000	0.0000000	0.0000000		
Lead	220.35	0.0000000	-0.0001170	0.0000000		
Magnesium	279.08	0.0000000	0.0000000	0.0000000		
Manganese	257.61	0.0000000	0.0000000	0.0000000		
Mercury						
Nickel	231.60	0.0005790	0.0000000	0.0000000		
Potassium	766.49	0.0000000	0.0000000	0.0000000		
Selenium	196.09	0.0000000	0.0000000	0.0000000		
Silver	328.07	0.0000000	-0.0017200	0.0000000		
Sodium	589.59	0.0000000	0.0000000	0.0000000		
Thallium	190.86	0.0000000	0.0002820	0.0000000		
Vanadium	292.40	0.0000000	0.0000000	0.0000000		
Zinc	206.20	0.0000000	0.0000000	0.0000000		

Comments:

U.S. EPA - CLP
10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Mo
Aluminum	396.15	0.0000000	0.0000960	0.0000000	0.0000000	0.0573510
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0016160
Arsenic	189.04	0.0001500	0.0000000	-0.0004550	0.0000000	0.0038670
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000380	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0009910
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000120
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0004030
Iron	259.94	0.0000000	0.0000000	0.0000340	0.0000000	0.0000000
Lead	220.35	0.0001750	0.0000000	0.0002100	0.0000000	-0.0026290
Magnesium	279.08	0.0000000	0.0000000	0.0001760	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	-0.0000350	0.0000000	0.0000000	0.0000000	0.0000180
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000100	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Sb	As	Ba	Be	Cd
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cr	Co	Cu	Pb	Mn
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0114090	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0017890	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0007800	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	-0.0092850
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	-0.0001620	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000620	0.0000000	0.0000000	0.0006770
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	-0.0019910	0.0000000	0.0000000	0.0000000	-0.0004360
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Ni	K	Se	Ag	Na
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000930	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0002270	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	-0.0003390	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Tl	V	Zn		
Aluminum	396.15	0.0000000	0.0000000	0.0000000		
Antimony	206.83	0.0000000	0.0000000	0.0000000		
Arsenic	189.04	0.0000000	0.0000000	0.0000000		
Barium	455.40	0.0000000	0.0000000	0.0000000		
Beryllium	313.40	0.0000000	0.0018940	0.0000000		
Cadmium	214.44	0.0000000	0.0000000	0.0000000		
Calcium	315.89	0.0000000	0.0000000	0.0000000		
Chromium	267.72	0.0000000	0.0000000	0.0000000		
Cobalt	228.62	0.0017990	0.0000000	0.0000000		
Copper	324.75	0.0000000	0.0000000	0.0000000		
Iron	259.94	0.0000000	0.0000000	0.0000000		
Lead	220.35	0.0000000	-0.0001170	0.0000000		
Magnesium	279.08	0.0000000	0.0000000	0.0000000		
Manganese	257.61	0.0000000	0.0000000	0.0000000		
Mercury						
Nickel	231.60	0.0005790	0.0000000	0.0000000		
Potassium	766.49	0.0000000	0.0000000	0.0000000		
Selenium	196.09	0.0000000	0.0000000	0.0000000		
Silver	328.07	0.0000000	0.0000000	0.0000000		
Sodium	589.59	0.0000000	0.0000000	0.0000000		
Thallium	190.86	0.0000000	0.0000000	0.0000000		
Vanadium	292.40	0.0011610	0.0000000	0.0000000		
Zinc	206.20	0.0000000	0.0000000	0.0000000		

Comments:

EPA 200.7, EPA 6010D		Linear Dynamic Range					
		All values are in mg/L and are 90% of the established LDR concentration.					
Instrument ID:		Trace 4	Trace 5	Trace 6	Trace 7	Trace 8	Trace 9
2023 Complete		☐	☐	☐	☐	☐	☐
Ag	Silver	36	27	9	13	90	45
Al	Aluminum	900	540	450	900	900	900
As	Arsenic	90	54	90	72	180	90
B	Boron	90	90	9	45	90	54
Ba	Barium	90	27	18	13	135	27
Be	Beryllium	27	36	9	9	11	31
Ca	Calcium	450	900	675	900	900	900
Cd	Cadmium	11	9	9	11	27	18
Co	Cobalt	90	63	45	22	135	90
Cr	Chromium	45	63	9	45	157	90
Cu	Copper	90	54	45	45	90	67
Fe	Iron	630	900	450	450	540	540
K	Potassium	900	900	675	720	900	900
Mg	Magnesium	450	900	360	900	900	900
Mn	Manganese	90	31	90	67	90	90
Mo	Molybdenum	45	36	9	22	67	45
Na	Sodium	675	900	450	405	630	900
Ni	Nickel	90	45	45	22	135	90
Pb	Lead	180	180	90	90	225	90
S	Sulfur	-	90	-	-	-	-
Sb	Antimony	22	45	45	4.5	90	45
Se	Selenium	27	27	45	22	15	45
Si	Silica	45	90	22	22	90	45
Sn	Tin	45	45	13	22	72	45
Sr	Strontium	45	45	9	9	67	45
Ti	Titanium	45	90	9	90	72	45
Tl	Thallium	45	90	45	22	135	45
V	Vanadium	90	90	90	90	112	45
Zn	Zinc	45	27	45	22	63	22

Form 12
Preparation Log

Client	: **Pace New England**	**Lab Number**	: **L2574897**
Project Name	: **25K1216**	**Project Number**	: **25K1216**
Matrix	: **SOIL**	**Prep Method**	: **EPA 3050B**

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2574897-01	11/25/25 02:47	1.27	-
L2574897-02	11/25/25 02:47	1.26	-
L2574897-03	11/25/25 02:47	1.30	-
L2574897-04	11/25/25 02:47	1.31	-
L2574897-05	11/25/25 02:47	1.28	-
L2574897-06	11/25/25 02:47	1.27	-
WG2146092-1	11/25/25 02:47	1.25	-
WG2146092-2	11/25/25 02:47	1.25	-
WG2146092-3	11/25/25 02:47	1.32	-
WG2146092-4	11/25/25 02:47	1.33	-
WG2146092-6	11/25/25 02:47	1.31	-
WG2146092-7	11/25/25 02:47	1.29	-
WG2146092-8	11/25/25 02:47	1.29	-
WG2146092-10	11/25/25 02:47	1.30	-

Form 13
Analysis Run Log

Client	: Pace New England	**Lab Number**	: L2574897
Project Name	: 25K1216	**Project Number**	: 25K1216
Instrument ID	: TRACE11	**Analysis Method**	: 1,6010D
Start Date	: 11/28/25 06:22	**End Date**	: 11/28/25 08:09

Sample Number	Dilution Factor	Analysis Time	Aluminum, Total	Antimony, Total	Arsenic, Total	Barium, Total	Beryllium, Total	Boron, Total	Cadmium, Total	Calcium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Iron, Total	Lead, Total	Magnesium, Total	Manganese, Total	Nickel, Total	Potassium, Total	Selenium, Total	Silver, Total	Sodium, Total	Thallium, Total	Vanadium, Total	Zinc, Total
R2041517-1 ICV	1	06:22:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041517-2 ICB	1	06:24:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041517-3 ICV	1	06:26:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041517-4 ICB	1	06:29:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041517-5 ICSA	1	06:33:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041517-6 CCV	1	07:05:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041517-7 CCB	1	07:07:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2146092-1 BLANK	1	07:19:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2146092-2 LCS	2	07:22:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2574897-01	2	07:24:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2574897-02	2	07:26:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2574897-03	2	07:28:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2146092-3 MS	2	07:32:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2146092-4 MSD	2	07:35:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2146092-6 SERDIL	10	07:39:18	X			X				X				X		X	X								
R2041517-8 CCV	1	07:41:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041517-9 CCB	1	07:43:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2574897-04	2	07:46:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2574897-05	2	07:48:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2574897-06	2	07:50:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2146092-7 MS	2	07:58:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2146092-8 MSD	2	08:01:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2146092-10 SERDIL	10	08:05:22	X			X				X				X		X	X								
R2041517-10 CCV	1	08:07:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2041517-11 CCB	1	08:09:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Date Created: 11/04/16
Created By: Jason Hebert
File: PM2960-2
Page: 1

METALS by 200.7, 6010C (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria	Holding Time	Container/Sample Preservation
Aluminum	7429-90-5	0.1	0.0318	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Antimony	7440-36-0	0.05	0.0071	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Arsenic	7440-38-2	0.005	0.0019	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Barium	7440-39-3	0.01	0.0021	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Beryllium	7440-41-7	0.005	0.0009	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Cadmium	7440-43-9	0.005	0.001	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Calcium	7440-70-2	0.1	0.035	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Chromium	7440-47-3	0.01	0.0021	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Cobalt	7440-48-4	0.02	0.0017	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Copper	7440-50-8	0.01	0.0022	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Iron	7439-89-6	0.05	0.009	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Lead	7439-92-1	0.01	0.0027	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Magnesium	7439-95-4	0.1	0.0153	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Manganese	7439-96-5	0.01	0.0016	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Nickel	7440-02-0	0.025	0.0024	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Potassium	7440-09-7	2.5	0.237	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Selenium	7782-49-2	0.01	0.0035	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Silver	7440-22-4	0.007	0.0028	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Sodium	7440-23-5	2	0.12	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Thallium	7440-28-0	0.02	0.0025	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Vanadium	7440-62-2	0.01	0.002	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Zinc	7440-66-6	0.05	0.0021	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved

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

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File: PM2962-1
Page: 1

METALS by 6010C (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria	Holding Time	Container/Sample Preservation
Aluminum, Total	7429-90-5	4	1.08	mg/kg	48-151		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Antimony, Total	7440-36-0	2	0.152	mg/kg	1-208		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Arsenic, Total	7440-38-2	0.4	0.0832	mg/kg	79-121		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Barium, Total	7440-39-3	0.4	0.0696	mg/kg	83-117		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Beryllium, Total	7440-41-7	0.2	0.0132	mg/kg	83-117		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Cadmium, Total	7440-43-9	0.4	0.0392	mg/kg	83-117		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Calcium, Total	7440-70-2	4	1.4	mg/kg	81-119		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Chromium, Total	7440-47-3	0.4	0.0384	mg/kg	80-120		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Cobalt, Total	7440-48-4	0.8	0.0664	mg/kg	84-115		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Copper, Total	7440-50-8	0.4	0.1032	mg/kg	81-118		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Iron, Total	7439-89-6	2	0.3612	mg/kg	45-155		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Lead, Total	7439-92-1	2	0.1072	mg/kg	81-117		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Magnesium, Total	7439-95-4	4	0.616	mg/kg	76-124		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Manganese, Total	7439-96-5	0.4	0.0636	mg/kg	81-117		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Nickel, Total	7440-02-0	1	0.0968	mg/kg	83-117		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Potassium, Total	7440-09-7	100	5.76	mg/kg	71-129		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Selenium, Total	7782-49-2	0.8	0.1032	mg/kg	78-122		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Silver, Total	7440-22-4	0.4	0.1132	mg/kg	75-124		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Sodium, Total	7440-23-5	80	1.26	mg/kg	72-127		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Thallium, Total	7440-28-0	0.8	0.126	mg/kg	80-120		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Vanadium, Total	7440-62-2	0.4	0.0812	mg/kg	78-122		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Zinc, Total	7440-66-6	2	0.1172	mg/kg	82-118		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved

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

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample:	xBlank LRS Trace11
Analysis started at:	11/28/2025 6:12:38 AM
Comment	<Comment>
Rack Number	0
Vial Numbers	1

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: Blank LRS Trace11
Analysis started at: 11/28/2025 6:14:48 AM
Comment <Comment>
Rack Number 0
Vial Numbers 1

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	0.8 %	-0.3 %	10.7 %	0.2 %	1.5 %	-0.5 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	7.9 %	0.2 %	0.2 %	0.2 %	-2.2 %	0.3 %	0.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-1.0 %	-1.3 %	1.4 %	0.4 %	-0.2 %	0.2 %	-1.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.4 %	0.0 %	-17.6 %	-0.3 %	-0.1 %	-0.5 %	-0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration per Run	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration RSD	0.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: ICAL
Analysis started at: 11/28/2025 6:16:57 AM
Comment <Comment>
Rack Number 0
Vial Numbers 2

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	10.0000 ppm
Concentration per Run	1.0090 ppm	25.0055 ppm	1.0001 ppm	1.0096 ppm	0.9977 ppm	1.0007 ppm	9.9910 ppm
Concentration per Run	0.9949 ppm	24.9638 ppm	0.9972 ppm	0.9861 ppm	0.9979 ppm	0.9976 ppm	9.9993 ppm
Concentration per Run	0.9961 ppm	25.0307 ppm	1.0026 ppm	1.0044 ppm	1.0044 ppm	1.0016 ppm	10.0097 ppm
Concentration RSD	0.8 %	0.1 %	0.3 %	1.2 %	0.4 %	0.2 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	35.0000 ppm	1.0000 ppm
Concentration per Run	1.0155 ppm	1.0111 ppm	1.0241 ppm	1.0106 ppm	24.9893 ppm	34.8384 ppm	0.9965 ppm
Concentration per Run	0.9926 ppm	0.9904 ppm	0.9811 ppm	0.9933 ppm	24.9556 ppm	34.8876 ppm	0.9963 ppm
Concentration per Run	0.9919 ppm	0.9985 ppm	0.9949 ppm	0.9960 ppm	25.0551 ppm	35.2739 ppm	1.0073 ppm
Concentration RSD	1.3 %	1.0 %	2.2 %	0.9 %	0.2 %	0.7 %	0.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	10.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run	9.9554 ppm	0.9993 ppm	1.0032 ppm	25.0098 ppm	1.0115 ppm	1.0061 ppm	1.0079 ppm
Concentration per Run	10.0004 ppm	1.0009 ppm	0.9951 ppm	24.8611 ppm	0.9900 ppm	0.9977 ppm	0.9920 ppm
Concentration per Run	10.0442 ppm	0.9998 ppm	1.0017 ppm	25.1291 ppm	0.9985 ppm	0.9962 ppm	1.0001 ppm
Concentration RSD	0.4 %	0.1 %	0.4 %	0.5 %	1.1 %	0.5 %	0.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	1.0000 ppm	10.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run	1.0051 ppm	10.0481 ppm	1.0104 ppm	0.9987 ppm	0.9930 ppm	1.0031 ppm	1.0089 ppm
Concentration per Run	0.9975 ppm	9.9304 ppm	0.9893 ppm	0.9956 ppm	1.0042 ppm	0.9956 ppm	0.9928 ppm
Concentration per Run	0.9974 ppm	10.0214 ppm	1.0003 ppm	1.0056 ppm	1.0028 ppm	1.0013 ppm	0.9983 ppm
Concentration RSD	0.4 %	0.6 %	1.1 %	0.5 %	0.6 %	0.4 %	0.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0000 ppm	100.3835 %	101.1784 %	96.3259 %	96.9778 %	98.2800 %	97.4439 %
Concentration per Run	1.0185 ppm	99.4954 %	101.4009 %	96.4832 %	96.3690 %	98.4939 %	97.9679 %
Concentration per Run	0.9850 ppm	101.0908 %	100.6852 %	96.2847 %	97.4459 %	97.7188 %	97.2441 %
Concentration per Run	0.9965 ppm	100.5642 %	101.4491 %	96.2098 %	97.1185 %	98.6273 %	97.1198 %
Concentration RSD	1.7 %	0.8 %	0.4 %	0.1 %	0.6 %	0.5 %	0.5 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: ICV
Analysis started at: 11/28/2025 6:22:28 AM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5016 ppm	0.4750 ppm	0.4740 ppm	0.4923 ppm	0.4858 ppm	0.4974 ppm	0.4849 ppm
Concentration per Run	0.5008 ppm	0.4763 ppm	0.4749 ppm	0.4897 ppm	0.4840 ppm	0.4950 ppm	0.4849 ppm
Concentration per Run	0.4993 ppm	0.4769 ppm	0.4757 ppm	0.4910 ppm	0.4888 ppm	0.5005 ppm	0.4868 ppm
Concentration per Run	0.5046 ppm	0.4718 ppm	0.4713 ppm	0.4961 ppm	0.4846 ppm	0.4967 ppm	0.4829 ppm
Recovery Percentage	100.315 %	94.999 %	94.797 %	98.457 %	97.157 %	99.482 %	96.978 %
Concentration RSD	0.6 %	0.6 %	0.5 %	0.7 %	0.5 %	0.6 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5111 ppm	0.5106 ppm	0.5065 ppm	0.5151 ppm	0.4892 ppm	5.0664 ppm	0.5136 ppm
Concentration per Run	0.5088 ppm	0.5065 ppm	0.5028 ppm	0.5142 ppm	0.4887 ppm	5.0547 ppm	0.5138 ppm
Concentration per Run	0.5097 ppm	0.5122 ppm	0.5068 ppm	0.5128 ppm	0.4904 ppm	5.0940 ppm	0.5169 ppm
Concentration per Run	0.5147 ppm	0.5131 ppm	0.5100 ppm	0.5181 ppm	0.4886 ppm	5.0507 ppm	0.5102 ppm
Recovery Percentage	102.217 %	102.117 %	101.304 %	103.011 %	97.845 %	101.329 %	102.725 %
Concentration RSD	0.6 %	0.7 %	0.7 %	0.5 %	0.2 %	0.5 %	0.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4988 ppm	0.5004 ppm	0.4876 ppm	9.9989 ppm	0.5119 ppm	0.4909 ppm	0.5062 ppm
Concentration per Run	0.4931 ppm	0.4997 ppm	0.4839 ppm	10.0145 ppm	0.5120 ppm	0.4891 ppm	0.5021 ppm
Concentration per Run	0.5034 ppm	0.5015 ppm	0.4878 ppm	10.0125 ppm	0.5097 ppm	0.4924 ppm	0.5082 ppm
Concentration per Run	0.4998 ppm	0.5000 ppm	0.4912 ppm	9.9698 ppm	0.5139 ppm	0.4913 ppm	0.5083 ppm
Recovery Percentage	99.750 %	100.081 %	97.523 %	99.989 %	102.376 %	98.189 %	101.240 %
Concentration RSD	1.1 %	0.2 %	0.7 %	0.3 %	0.4 %	0.3 %	0.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4758 ppm	5.3988 ppm	0.4908 ppm	0.4833 ppm	0.4934 ppm	0.4988 ppm	0.5090 ppm
Concentration per Run	0.4751 ppm	5.3626 ppm	0.4896 ppm	0.4808 ppm	0.4907 ppm	0.4984 ppm	0.5064 ppm
Concentration per Run	0.4759 ppm	5.3897 ppm	0.4896 ppm	0.4866 ppm	0.4957 ppm	0.4997 ppm	0.5094 ppm
Concentration per Run	0.4763 ppm	5.4440 ppm	0.4934 ppm	0.4826 ppm	0.4938 ppm	0.4983 ppm	0.5112 ppm
Recovery Percentage	95.153 %	102.833 %	98.169 %	96.669 %	98.685 %	99.762 %	101.798 %
Concentration RSD	0.1 %	0.8 %	0.5 %	0.6 %	0.5 %	0.2 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5078 ppm	102.0186 %	103.3432 %	101.9096 %	100.3316 %	101.6366 %	101.1718 %
Concentration per Run	0.5042 ppm	102.8377 %	104.2239 %	102.6113 %	101.0582 %	102.6485 %	101.5178 %
Concentration per Run	0.5079 ppm	102.3023 %	103.5320 %	101.3872 %	100.6984 %	102.0024 %	100.9309 %
Concentration per Run	0.5115 ppm	100.9159 %	102.2737 %	101.7304 %	99.2381 %	100.2589 %	101.0667 %
Recovery Percentage	101.570 %						
Concentration RSD	0.7 %	1.0 %	1.0 %	0.6 %	1.0 %	1.2 %	0.3 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: ICB
Analysis started at: 11/28/2025 6:24:44 AM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	-0.0032 ppm	-0.0002 ppm	0.0013 ppm	0.0001 ppm	0.0000 ppm	0.0026 ppm
Concentration per Run	-0.0001 ppm	0.0027 ppm	0.0001 ppm	0.0020 ppm	0.0001 ppm	0.0001 ppm	0.0031 ppm
Concentration per Run	-0.0006 ppm	-0.0128 ppm	0.0014 ppm	0.0011 ppm	0.0001 ppm	0.0000 ppm	0.0063 ppm
Concentration per Run	0.0000 ppm	0.0006 ppm	-0.0021 ppm	0.0008 ppm	0.0000 ppm	0.0000 ppm	-0.0016 ppm
Recovery Percentage	-2.833 %	-3.187 %	-3.822 %	4.188 %	0.817 %	0.356 %	2.626 %
Concentration RSD	159.9 %	262.6 %	944.6 %	49.7 %	75.5 %	316.3 %	151.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0001 ppm	-0.0004 ppm	-0.0001 ppm	-0.0003 ppm	-0.0140 ppm	-0.0011 ppm
Concentration per Run	0.0000 ppm	-0.0004 ppm	-0.0004 ppm	-0.0001 ppm	-0.0002 ppm	-0.0106 ppm	0.0011 ppm
Concentration per Run	0.0000 ppm	-0.0002 ppm	-0.0002 ppm	-0.0001 ppm	-0.0004 ppm	0.0062 ppm	-0.0029 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	-0.0007 ppm	0.0000 ppm	-0.0004 ppm	-0.0377 ppm	-0.0015 ppm
Recovery Percentage	0.681 %	-0.714 %	-4.281 %	-0.724 %	-0.686 %	-0.561 %	-21.524 %
Concentration RSD	184.5 %	175.6 %	68.7 %	94.4 %	32.5 %	158.0 %	189.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0007 ppm	0.0000 ppm	0.0002 ppm	-0.0011 ppm	-0.0004 ppm	-0.0003 ppm	0.0014 ppm
Concentration per Run	-0.0001 ppm	0.0003 ppm	0.0003 ppm	-0.0038 ppm	-0.0009 ppm	-0.0006 ppm	0.0019 ppm
Concentration per Run	-0.0010 ppm	-0.0003 ppm	0.0002 ppm	-0.0004 ppm	-0.0005 ppm	0.0004 ppm	-0.0037 ppm
Concentration per Run	-0.0009 ppm	0.0001 ppm	0.0001 ppm	0.0008 ppm	0.0000 ppm	-0.0005 ppm	0.0059 ppm
Recovery Percentage	-0.670 %	0.126 %	0.432 %	-0.057 %	-1.789 %	-2.569 %	2.715 %
Concentration RSD	68.0 %	2,580.2 %	54.8 %	210.6 %	101.1 %	213.4 %	355.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0026 ppm	0.0008 ppm	0.0012 ppm	0.0001 ppm	0.0002 ppm	0.0011 ppm	-0.0001 ppm
Concentration per Run	0.0007 ppm	-0.0001 ppm	0.0018 ppm	0.0001 ppm	0.0003 ppm	0.0015 ppm	-0.0001 ppm
Concentration per Run	0.0020 ppm	0.0002 ppm	0.0013 ppm	0.0001 ppm	0.0003 ppm	0.0000 ppm	-0.0003 ppm
Concentration per Run	0.0050 ppm	0.0024 ppm	0.0005 ppm	0.0001 ppm	0.0001 ppm	0.0019 ppm	0.0001 ppm
Recovery Percentage	25.552 %	0.166 %	2.450 %	1.142 %	2.156 %	5.680 %	-0.828 %
Concentration RSD	86.9 %	168.6 %	53.7 %	34.6 %	62.0 %	90.7 %	227.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	100.0376 %	100.2058 %	100.7531 %	100.1992 %	99.5735 %	100.8998 %
Concentration per Run	0.0002 ppm	99.9316 %	99.5211 %	100.7614 %	100.4325 %	98.5558 %	100.9420 %
Concentration per Run	0.0002 ppm	100.5174 %	101.0508 %	101.0027 %	100.2667 %	100.7427 %	101.0010 %
Concentration per Run	0.0003 ppm	99.6637 %	100.0453 %	100.4953 %	99.8982 %	99.4220 %	100.7563 %
Recovery Percentage	4.940 %						
Concentration RSD	29.6 %	0.4 %	0.8 %	0.3 %	0.3 %	1.1 %	0.1 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: ICV
Analysis started at: 11/28/2025 6:26:53 AM
Comment <Comment>
Rack Number 0
Vial Numbers 10

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5063 ppm	0.4805 ppm	0.4762 ppm	0.4963 ppm	0.4936 ppm	0.5015 ppm	0.4868 ppm
Concentration per Run	0.5114 ppm	0.4761 ppm	0.4750 ppm	0.4991 ppm	0.4929 ppm	0.5001 ppm	0.4856 ppm
Concentration per Run	0.5061 ppm	0.4924 ppm	0.4775 ppm	0.4961 ppm	0.4935 ppm	0.5035 ppm	0.4907 ppm
Concentration per Run	0.5014 ppm	0.4729 ppm	0.4763 ppm	0.4936 ppm	0.4943 ppm	0.5007 ppm	0.4841 ppm
Recovery Percentage	101.268 %	96.099 %	95.247 %	99.254 %	98.711 %	100.290 %	97.363 %
Concentration RSD	1.0 %	2.2 %	0.3 %	0.5 %	0.1 %	0.4 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5108 ppm	0.5107 ppm	0.5068 ppm	0.5167 ppm	0.4899 ppm	5.1135 ppm	0.5067 ppm
Concentration per Run	0.5153 ppm	0.5125 ppm	0.5133 ppm	0.5199 ppm	0.4922 ppm	5.1170 ppm	0.5073 ppm
Concentration per Run	0.5106 ppm	0.5116 ppm	0.5052 ppm	0.5172 ppm	0.4895 ppm	5.1163 ppm	0.5084 ppm
Concentration per Run	0.5063 ppm	0.5080 ppm	0.5019 ppm	0.5130 ppm	0.4880 ppm	5.1072 ppm	0.5044 ppm
Recovery Percentage	102.150 %	102.143 %	101.358 %	103.340 %	97.981 %	102.270 %	101.345 %
Concentration RSD	0.9 %	0.5 %	1.2 %	0.7 %	0.4 %	0.1 %	0.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4982 ppm	0.5028 ppm	0.4888 ppm	10.0333 ppm	0.5128 ppm	0.4961 ppm	0.5098 ppm
Concentration per Run	0.4932 ppm	0.5033 ppm	0.4907 ppm	10.0151 ppm	0.5159 ppm	0.4981 ppm	0.5108 ppm
Concentration per Run	0.5011 ppm	0.5058 ppm	0.4886 ppm	10.0939 ppm	0.5119 ppm	0.4943 ppm	0.5125 ppm
Concentration per Run	0.5003 ppm	0.4993 ppm	0.4870 ppm	9.9910 ppm	0.5106 ppm	0.4959 ppm	0.5060 ppm
Recovery Percentage	99.637 %	100.557 %	97.752 %	100.333 %	102.562 %	99.221 %	101.950 %
Concentration RSD	0.9 %	0.6 %	0.4 %	0.5 %	0.5 %	0.4 %	0.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4765 ppm	5.4074 ppm	0.5021 ppm	0.4906 ppm	0.4962 ppm	0.5028 ppm	0.5088 ppm
Concentration per Run	0.4741 ppm	5.4324 ppm	0.5054 ppm	0.4910 ppm	0.4972 ppm	0.5023 ppm	0.5122 ppm
Concentration per Run	0.4768 ppm	5.3996 ppm	0.5050 ppm	0.4898 ppm	0.4951 ppm	0.5037 ppm	0.5090 ppm
Concentration per Run	0.4787 ppm	5.3904 ppm	0.4959 ppm	0.4910 ppm	0.4964 ppm	0.5024 ppm	0.5051 ppm
Recovery Percentage	95.305 %	102.999 %	100.421 %	98.123 %	99.250 %	100.557 %	101.752 %
Concentration RSD	0.5 %	0.4 %	1.1 %	0.1 %	0.2 %	0.2 %	0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5079 ppm	103.4285 %	103.6649 %	102.3599 %	101.5584 %	101.5906 %	101.5280 %
Concentration per Run	0.5127 ppm	102.7577 %	102.9882 %	102.1687 %	100.8522 %	100.8992 %	101.5671 %
Concentration per Run	0.5066 ppm	103.0762 %	103.1079 %	102.5305 %	101.4894 %	101.5297 %	101.5691 %
Concentration per Run	0.5042 ppm	104.4517 %	104.8987 %	102.3804 %	102.3336 %	102.3430 %	101.4477 %
Recovery Percentage	101.572 %						
Concentration RSD	0.9 %	0.9 %	1.0 %	0.2 %	0.7 %	0.7 %	0.1 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: ICB
Analysis started at: 11/28/2025 6:29:02 AM
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Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	0.0073 ppm	0.0002 ppm	0.0010 ppm	0.0001 ppm	0.0000 ppm	0.0007 ppm
Concentration per Run	-0.0003 ppm	0.0006 ppm	0.0014 ppm	0.0016 ppm	0.0001 ppm	0.0000 ppm	-0.0001 ppm
Concentration per Run	0.0002 ppm	0.0058 ppm	-0.0011 ppm	0.0015 ppm	0.0000 ppm	0.0000 ppm	0.0031 ppm
Concentration per Run	0.0004 ppm	0.0156 ppm	0.0003 ppm	0.0000 ppm	0.0002 ppm	0.0000 ppm	-0.0007 ppm
Recovery Percentage	1.164 %	7.346 %	4.779 %	3.389 %	0.864 %	-0.336 %	0.732 %
Concentration RSD	421.5 %	104.1 %	520.3 %	90.3 %	79.0 %	72.6 %	279.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0001 ppm	0.0003 ppm	-0.0001 ppm	-0.0008 ppm	-0.0250 ppm	0.0012 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0010 ppm	-0.0005 ppm	-0.0009 ppm	-0.0237 ppm	0.0010 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	-0.0002 ppm	0.0002 ppm	-0.0005 ppm	-0.0443 ppm	0.0020 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	0.0001 ppm	-0.0001 ppm	-0.0011 ppm	-0.0070 ppm	0.0007 ppm
Recovery Percentage	1.240 %	0.383 %	2.642 %	-1.162 %	-1.644 %	-1.000 %	24.810 %
Concentration RSD	77.2 %	248.7 %	235.3 %	297.9 %	38.9 %	74.7 %	56.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0007 ppm	0.0000 ppm	0.0002 ppm	0.0008 ppm	0.0000 ppm	-0.0005 ppm	0.0002 ppm
Concentration per Run	0.0015 ppm	0.0000 ppm	-0.0001 ppm	0.0037 ppm	0.0005 ppm	-0.0009 ppm	-0.0006 ppm
Concentration per Run	-0.0015 ppm	0.0001 ppm	0.0000 ppm	0.0007 ppm	-0.0005 ppm	0.0003 ppm	0.0025 ppm
Concentration per Run	0.0022 ppm	0.0001 ppm	0.0007 ppm	-0.0021 ppm	-0.0001 ppm	-0.0009 ppm	-0.0012 ppm
Recovery Percentage	0.747 %	0.442 %	0.383 %	0.038 %	-0.107 %	-4.872 %	0.458 %
Concentration RSD	260.5 %	136.5 %	232.3 %	382.2 %	1,813.0 %	137.5 %	856.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0003 ppm	0.0000 ppm	0.0009 ppm	0.0001 ppm	-0.0002 ppm	0.0006 ppm	0.0000 ppm
Concentration per Run	-0.0012 ppm	0.0015 ppm	-0.0001 ppm	0.0001 ppm	-0.0002 ppm	0.0001 ppm	0.0001 ppm
Concentration per Run	0.0021 ppm	0.0007 ppm	0.0023 ppm	0.0002 ppm	-0.0004 ppm	0.0009 ppm	-0.0001 ppm
Concentration per Run	0.0000 ppm	-0.0021 ppm	0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0008 ppm	0.0000 ppm
Recovery Percentage	2.905 %	0.007 %	1.725 %	0.932 %	-1.805 %	2.882 %	-0.356 %
Concentration RSD	583.7 %	5,149.0 %	151.0 %	99.0 %	120.6 %	78.9 %	239.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0003 ppm	99.7702 %	100.1116 %	99.9658 %	100.1939 %	100.0928 %	100.1485 %
Concentration per Run	0.0004 ppm	99.4916 %	99.7221 %	99.5526 %	100.4433 %	99.9975 %	99.6877 %
Concentration per Run	0.0000 ppm	99.5115 %	101.0069 %	99.4143 %	99.3487 %	100.6155 %	99.6561 %
Concentration per Run	0.0003 ppm	100.3076 %	99.6059 %	100.9305 %	100.7899 %	99.6655 %	101.1017 %
Recovery Percentage	5.192 %						
Concentration RSD	76.9 %	0.5 %	0.8 %	0.8 %	0.8 %	0.5 %	0.8 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: LLOQ
Analysis started at: 11/28/2025 6:31:11 AM
Comment <Comment>
Rack Number 0
Vial Numbers 5

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0053 ppm	0.1048 ppm	**0.0033 ppm**	0.0299 ppm	0.0101 ppm	0.0050 ppm	0.0963 ppm
Concentration per Run	0.0052 ppm	0.1096 ppm	0.0034 ppm	0.0310 ppm	0.0098 ppm	0.0050 ppm	0.0944 ppm
Concentration per Run	0.0051 ppm	0.1057 ppm	0.0033 ppm	0.0291 ppm	0.0103 ppm	0.0051 ppm	0.0976 ppm
Concentration per Run	0.0056 ppm	0.0991 ppm	0.0031 ppm	0.0295 ppm	0.0101 ppm	0.0050 ppm	0.0971 ppm
Recovery Percentage	105.782 %	104.782 %	65.786 %	99.524 %	100.536 %	100.482 %	96.341 %
Concentration RSD	4.8 %	5.1 %	**4.9 %**	3.4 %	2.2 %	0.8 %	1.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0040 ppm	0.0097 ppm	0.0096 ppm	0.0101 ppm	0.0489 ppm	2.5798 ppm	0.0109 ppm
Concentration per Run	0.0041 ppm	0.0096 ppm	0.0097 ppm	0.0104 ppm	0.0484 ppm	2.6020 ppm	0.0118 ppm
Concentration per Run	0.0040 ppm	0.0100 ppm	0.0098 ppm	0.0100 ppm	0.0489 ppm	2.5834 ppm	0.0110 ppm
Concentration per Run	0.0041 ppm	0.0096 ppm	0.0093 ppm	0.0098 ppm	0.0494 ppm	2.5542 ppm	0.0099 ppm
Recovery Percentage	100.668 %	97.218 %	95.951 %	100.793 %	97.761 %	103.194 %	108.954 %
Concentration RSD	1.6 %	2.1 %	3.0 %	2.7 %	1.0 %	0.9 %	8.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.1016 ppm	0.0100 ppm	0.0491 ppm	2.0228 ppm	**0.0198 ppm**	0.0088 ppm	0.0548 ppm
Concentration per Run	0.1000 ppm	0.0097 ppm	0.0485 ppm	1.9962 ppm	0.0199 ppm	0.0086 ppm	0.0562 ppm
Concentration per Run	0.1021 ppm	0.0101 ppm	0.0498 ppm	2.0416 ppm	0.0191 ppm	0.0083 ppm	0.0536 ppm
Concentration per Run	0.1028 ppm	0.0101 ppm	0.0489 ppm	2.0306 ppm	0.0203 ppm	0.0096 ppm	0.0548 ppm
Recovery Percentage	101.625 %	99.801 %	98.123 %	101.140 %	79.016 %	88.121 %	109.641 %
Concentration RSD	1.4 %	2.7 %	1.4 %	1.2 %	**3.0 %**	7.6 %	2.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0115 ppm	0.5033 ppm	0.0524 ppm	0.0098 ppm	0.0098 ppm	**0.0207 ppm**	0.0099 ppm
Concentration per Run	0.0113 ppm	0.4997 ppm	0.0524 ppm	0.0097 ppm	0.0100 ppm	0.0207 ppm	0.0096 ppm
Concentration per Run	0.0148 ppm	0.5023 ppm	0.0517 ppm	0.0098 ppm	0.0097 ppm	0.0200 ppm	0.0101 ppm
Concentration per Run	0.0083 ppm	0.5080 ppm	0.0532 ppm	0.0100 ppm	0.0098 ppm	0.0214 ppm	0.0101 ppm
Recovery Percentage	114.537 %	100.667 %	104.841 %	98.404 %	98.390 %	103.495 %	99.329 %
Concentration RSD	28.3 %	0.8 %	1.4 %	1.5 %	1.7 %	3.2 %	2.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0051 ppm	102.7731 %	102.0753 %	102.6338 %	101.7781 %	100.6565 %	101.3416 %
Concentration per Run	0.0051 ppm	102.6842 %	103.2566 %	103.7781 %	101.1987 %	101.0511 %	102.4516 %
Concentration per Run	0.0049 ppm	103.0616 %	101.7324 %	101.9606 %	102.1762 %	100.6862 %	100.5897 %
Concentration per Run	0.0054 ppm	102.5734 %	101.2368 %	102.1628 %	101.9594 %	100.2321 %	100.9835 %
Recovery Percentage	102.707 %						
Concentration RSD	5.0 %	0.2 %	1.0 %	1.0 %	0.5 %	0.4 %	1.0 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: ICSA
Analysis started at: 11/28/2025 6:33:20 AM
Comment LDR +/-10%
Rack Number 0
Vial Numbers 6

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0024 ppm	510.9139 [SIC 1000]	-0.0031 ppm	0.0039 ppm	0.0017 ppm	0.0000 ppm	468.5904 ppm
Concentration per Run	0.0021 ppm	513.4995 ppm	-0.0012 ppm	0.0034 ppm	0.0018 ppm	0.0000 ppm	470.5257 ppm
Concentration per Run	0.0032 ppm	511.7538 ppm	-0.0047 ppm	0.0049 ppm	0.0017 ppm	0.0000 ppm	469.8436 ppm
Concentration per Run	0.0019 ppm	507.4886 ppm	-0.0035 ppm	0.0034 ppm	0.0015 ppm	0.0000 ppm	465.4019 ppm
Recovery Percentage	34.431 %		-62.421 %	12.938 %	16.504 %	0.196 %	
Concentration RSD	28.0 %	0.6 %	55.9 %	22.1 %	8.3 %	117.3 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0007 ppm	0.0008 ppm	0.0007 ppm	0.0081 ppm	184.6944 ppm	0.0679 ppm	0.0174 ppm
Concentration per Run	0.0007 ppm	0.0003 ppm	0.0002 ppm	0.0083 ppm	185.7708 ppm	0.0718 ppm	0.0211 ppm
Concentration per Run	0.0009 ppm	0.0014 ppm	0.0006 ppm	0.0081 ppm	185.3779 ppm	0.0617 ppm	0.0217 ppm
Concentration per Run	0.0004 ppm	0.0007 ppm	0.0013 ppm	0.0080 ppm	182.9347 ppm	0.0704 ppm	0.0094 ppm
Recovery Percentage	13.496 %	3.940 %	6.914 %	81.154 %		2.718 %	348.130 %
Concentration RSD	38.5 %	68.0 %	78.1 %	2.0 %	0.8 %	8.1 %	39.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	492.3411 ppm	-0.0018 ppm	-0.0009 ppm	0.0248 ppm	0.0009 ppm	-0.0026 ppm	-0.0014 ppm
Concentration per Run	491.5951 ppm	-0.0018 ppm	-0.0005 ppm	0.0261 ppm	0.0002 ppm	-0.0005 ppm	0.0042 ppm
Concentration per Run	492.3629 ppm	-0.0017 ppm	-0.0009 ppm	0.0275 ppm	0.0012 ppm	-0.0064 ppm	-0.0085 ppm
Concentration per Run	493.0655 ppm	-0.0017 ppm	-0.0013 ppm	0.0209 ppm	0.0013 ppm	-0.0009 ppm	0.0002 ppm
Recovery Percentage		-17.624 %	-1.809 %	1.240 %	3.633 %	-25.965 %	-2.791 %
Concentration RSD	0.1 %	4.0 %	42.2 %	14.0 %	64.4 %	127.6 %	465.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0017 ppm	0.0135 ppm	0.0006 ppm	0.0052 ppm	0.0010 ppm	-0.0026 ppm	-0.0028 ppm
Concentration per Run	0.0016 ppm	0.0147 ppm	0.0021 ppm	0.0053 ppm	0.0008 ppm	0.0002 ppm	-0.0026 ppm
Concentration per Run	0.0054 ppm	0.0127 ppm	-0.0009 ppm	0.0053 ppm	0.0010 ppm	-0.0038 ppm	-0.0028 ppm
Concentration per Run	-0.0017 ppm	0.0131 ppm	0.0005 ppm	0.0051 ppm	0.0010 ppm	-0.0041 ppm	-0.0029 ppm
Recovery Percentage	17.263 %	2.698 %	1.111 %	52.431 %	9.642 %	-12.846 %	-27.694 %
Concentration RSD	206.1 %	7.9 %	278.3 %	1.9 %	12.2 %	92.6 %	5.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0016 ppm	89.6248 %	95.9621 %	79.2798 %	86.8156 %	95.0116 %	87.6424 %
Concentration per Run	0.0015 ppm	89.9007 %	95.5330 %	79.5181 %	87.0165 %	94.9447 %	88.0591 %
Concentration per Run	0.0016 ppm	89.7428 %	95.4593 %	79.2855 %	86.8487 %	94.6056 %	87.6037 %
Concentration per Run	0.0016 ppm	89.2309 %	96.8940 %	79.0360 %	86.5816 %	95.4846 %	87.2643 %
Recovery Percentage	31.220 %						
Concentration RSD	6.1 %	0.4 %	0.8 %	0.3 %	0.3 %	0.5 %	0.5 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: SIC Multi (B and Si contamination)
Analysis started at: 11/28/2025 6:35:29 AM
Comment LDR +/-10%
Rack Number 0
Vial Numbers 7

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0510 ppm	-0.0015 ppm	0.1179 ppm	0.0008 ppm	-0.0030 ppm	-0.0273 ppm
Concentration per Run	-0.0002 ppm	0.0495 ppm	-0.0023 ppm	0.1187 ppm	0.0007 ppm	-0.0033 ppm	-0.0192 ppm
Concentration per Run	0.0003 ppm	0.0590 ppm	-0.0004 ppm	0.1179 ppm	0.0009 ppm	-0.0031 ppm	-0.0318 ppm
Concentration per Run	-0.0004 ppm	0.0446 ppm	-0.0017 ppm	0.1169 ppm	0.0007 ppm	-0.0027 ppm	-0.0308 ppm
Recovery Percentage	-1.317 %	51.045 %	-29.702 %	392.902 %	7.553 %	-75.574 %	-27.259 %
Concentration RSD	374.8 %	14.3 %	64.9 %	0.8 %	14.5 %	10.2 %	25.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0030 ppm	21.5221 ppm	-0.0029 ppm	0.0231 ppm	0.0103 ppm	0.0016 ppm
Concentration per Run	-0.0001 ppm	0.0030 ppm	21.5005 ppm	-0.0028 ppm	0.0245 ppm	0.0179 ppm	0.0006 ppm
Concentration per Run	-0.0001 ppm	0.0030 ppm	21.6532 ppm	-0.0030 ppm	0.0226 ppm	0.0150 ppm	0.0021 ppm
Concentration per Run	0.0000 ppm	0.0031 ppm	21.4126 ppm	-0.0029 ppm	0.0221 ppm	-0.0020 ppm	0.0021 ppm
Recovery Percentage	-1.222 %	15.103 %	215,220.750 %	-28.903 %	46.108 %	0.413 %	31.903 %
Concentration RSD	154.8 %	1.4 %	0.6 %	4.0 %	5.5 %	104.0 %	51.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0214 ppm	21.2080 [SIC 80]	-0.0019 ppm	0.0882 ppm	0.0001 ppm	-0.0019 ppm	-0.0011 ppm
Concentration per Run	-0.0159 ppm	21.1461 ppm	-0.0021 ppm	0.0778 ppm	-0.0001 ppm	-0.0025 ppm	-0.0002 ppm
Concentration per Run	-0.0245 ppm	21.1547 ppm	-0.0019 ppm	0.0900 ppm	0.0007 ppm	-0.0020 ppm	-0.0009 ppm
Concentration per Run	-0.0237 ppm	21.3233 ppm	-0.0017 ppm	0.0969 ppm	-0.0004 ppm	-0.0012 ppm	-0.0022 ppm
Recovery Percentage	-21.381 %	212,080.247 %	-3.789 %	4.411 %	0.250 %	-19.009 %	-2.243 %
Concentration RSD	22.1 %	0.5 %	9.8 %	11.0 %	855.3 %	34.3 %	87.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0003 ppm	1.4212 ppm	0.0055 ppm	0.0000 ppm	20.2969 ppm	-0.0204 ppm	10.5029 [SIC xx]
Concentration per Run	0.0009 ppm	1.3570 ppm	0.0079 ppm	0.0000 ppm	20.3494 ppm	-0.0177 ppm	10.4977 ppm
Concentration per Run	-0.0030 ppm	1.4311 ppm	0.0040 ppm	0.0000 ppm	20.2440 ppm	-0.0229 ppm	10.5706 ppm
Concentration per Run	0.0031 ppm	1.4755 ppm	0.0047 ppm	0.0001 ppm	20.2972 ppm	-0.0205 ppm	10.4405 ppm
Recovery Percentage	3.399 %	284.237 %	11.039 %	0.422 %	202,968.766 %	-101.968 %	105,029.354 %
Concentration RSD	910.4 %	4.2 %	37.2 %	195.6 %	0.3 %	12.7 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0011 ppm	103.1939 %	102.4993 %	102.4035 %	101.3280 %	100.7818 %	101.0848 %
Concentration per Run	0.0009 ppm	103.8852 %	103.5170 %	103.0715 %	101.6288 %	101.7061 %	101.6485 %
Concentration per Run	0.0011 ppm	102.5940 %	102.3592 %	101.6752 %	101.1274 %	100.2444 %	100.4523 %
Concentration per Run	0.0011 ppm	103.1026 %	101.6216 %	102.4639 %	101.2277 %	100.3950 %	101.1536 %
Recovery Percentage	21.217 %						
Concentration RSD	9.7 %	0.6 %	0.9 %	0.7 %	0.3 %	0.8 %	0.6 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: LDR Check
Analysis started at: 11/28/2025 6:37:37 AM
Comment LDR +/-10%
Rack Number 0
Vial Numbers 8

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0006 ppm	-0.0158 ppm	5.6012 ppm	5.1683 [SIC 50]	9.9452 ppm	0.0002 ppm	0.0064 ppm
Concentration per Run	0.0009 ppm	-0.0176 ppm	5.5867 ppm	5.1626 ppm	9.9047 ppm	0.0002 ppm	0.0032 ppm
Concentration per Run	0.0009 ppm	-0.0149 ppm	5.6334 ppm	5.1811 ppm	9.9736 ppm	0.0002 ppm	0.0091 ppm
Concentration per Run	-0.0001 ppm	-0.0150 ppm	5.5836 ppm	5.1610 ppm	9.9572 ppm	0.0002 ppm	0.0069 ppm
Recovery Percentage			112.025 %	103.365 %	99.452 %		
Concentration RSD	96.1 %	9.8 %	0.5 %	0.2 %	0.4 %	10.7 %	46.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0004 ppm	-0.0047 ppm	0.0003 ppm	19.8449 ppm	0.0004 ppm	315.8813 ppm	5.0505 ppm
Concentration per Run	0.0004 ppm	-0.0044 ppm	0.0002 ppm	19.8413 ppm	-0.0006 ppm	312.5560 ppm	5.0055 ppm
Concentration per Run	0.0004 ppm	-0.0054 ppm	0.0003 ppm	19.8717 ppm	-0.0004 ppm	317.6408 ppm	5.1015 ppm
Concentration per Run	0.0003 ppm	-0.0044 ppm	0.0002 ppm	19.8217 ppm	0.0022 ppm	317.4470 ppm	5.0445 ppm
Recovery Percentage	0.000 %	0.000 %		99.225 %		105.294 %	
Concentration RSD	23.6 %	12.3 %	23.0 %	0.1 %	386.5 %	0.9 %	1.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0034 ppm	0.0011 ppm	5.2272 [SIC xx]	469.2175 ppm	10.3698 [SIC 100]	51.0451 ppm	0.0002 ppm
Concentration per Run	-0.0062 ppm	0.0010 ppm	5.2397 ppm	466.7067 ppm	10.3918 ppm	51.0588 ppm	0.0006 ppm
Concentration per Run	-0.0042 ppm	0.0012 ppm	5.2098 ppm	470.7309 ppm	10.3828 ppm	51.1552 ppm	0.0028 ppm
Concentration per Run	0.0000 ppm	0.0010 ppm	5.2321 ppm	470.2148 ppm	10.3349 ppm	50.9214 ppm	-0.0029 ppm
Recovery Percentage		0.000 %	104.544 %	93.843 %	103.698 %	102.090 %	0.000 %
Concentration RSD	91.8 %	13.3 %	0.3 %	0.5 %	0.3 %	0.2 %	1,497.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0008 ppm	21.4968 [SIC 100]	0.0013 ppm	0.0006 ppm	0.0171 ppm	0.0006 ppm	-0.0001 ppm
Concentration per Run	0.0038 ppm	21.4322 ppm	0.0016 ppm	0.0007 ppm	0.0195 ppm	0.0019 ppm	0.0003 ppm
Concentration per Run	-0.0006 ppm	21.5310 ppm	0.0019 ppm	0.0007 ppm	0.0168 ppm	-0.0001 ppm	-0.0005 ppm
Concentration per Run	-0.0009 ppm	21.5274 ppm	0.0003 ppm	0.0005 ppm	0.0149 ppm	-0.0001 ppm	-0.0001 ppm
Recovery Percentage	0.000 %	107.484 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	344.1 %	0.3 %	64.7 %	15.0 %	13.6 %	209.8 %	417.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	20.7769 [SIC 60]	90.3480 %	97.6483 %	85.8150 %	88.3747 %	95.3912 %	88.4069 %
Concentration per Run	20.8687 ppm	89.6838 %	97.7629 %	85.2174 %	87.7301 %	95.4057 %	87.7942 %
Concentration per Run	20.7317 ppm	90.0472 %	97.8132 %	86.3536 %	88.0347 %	95.8970 %	89.0744 %
Concentration per Run	20.7304 ppm	91.3130 %	97.3687 %	85.8739 %	89.3592 %	94.8710 %	88.3522 %
Recovery Percentage	103.885 %						
Concentration RSD	0.4 %	0.9 %	0.2 %	0.7 %	1.0 %	0.5 %	0.7 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: LLOQ .005ppm As
Analysis started at: 11/28/2025 6:52:13 AM
Comment <Comment>
Rack Number 1
Vial Numbers 1

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0059 ppm	0.0091 ppm	0.0057 ppm	0.0057 ppm	0.0054 ppm	0.0053 ppm	0.0002 ppm
Concentration per Run	0.0063 ppm	0.0061 ppm	0.0043 ppm	0.0059 ppm	0.0053 ppm	0.0053 ppm	0.0015 ppm
Concentration per Run	0.0056 ppm	0.0179 ppm	0.0070 ppm	0.0070 ppm	0.0054 ppm	0.0053 ppm	0.0040 ppm
Concentration per Run	0.0060 ppm	0.0032 ppm	0.0059 ppm	0.0043 ppm	0.0053 ppm	0.0053 ppm	-0.0048 ppm
Recovery Percentage	118.936 %	0.000 %	114.946 %	0.000 %	0.000 %	105.464 %	0.000 %
Concentration RSD	5.9 %	86.2 %	23.1 %	24.1 %	1.1 %	0.4 %	2,026.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0055 ppm	0.0053 ppm	0.0054 ppm	0.0057 ppm	0.0053 ppm	0.0490 ppm	0.0081 ppm
Concentration per Run	0.0055 ppm	0.0055 ppm	0.0057 ppm	0.0058 ppm	0.0078 ppm	0.0578 ppm	0.0089 ppm
Concentration per Run	0.0055 ppm	0.0052 ppm	0.0051 ppm	0.0057 ppm	0.0046 ppm	0.0445 ppm	0.0073 ppm
Concentration per Run	0.0054 ppm	0.0053 ppm	0.0054 ppm	0.0056 ppm	0.0034 ppm	0.0446 ppm	0.0080 ppm
Recovery Percentage	109.339 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	1.4 %	2.4 %	5.2 %	2.5 %	42.7 %	15.6 %	9.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0054 ppm	0.0053 ppm	0.0049 ppm	0.1124 ppm	0.0041 ppm	0.0045 ppm	0.0063 ppm
Concentration per Run	0.0060 ppm	0.0053 ppm	0.0047 ppm	0.1154 ppm	0.0042 ppm	0.0038 ppm	0.0079 ppm
Concentration per Run	0.0046 ppm	0.0055 ppm	0.0052 ppm	0.1092 ppm	0.0037 ppm	0.0053 ppm	0.0043 ppm
Concentration per Run	0.0055 ppm	0.0052 ppm	0.0049 ppm	0.1126 ppm	0.0043 ppm	0.0045 ppm	0.0066 ppm
Recovery Percentage	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	13.4 %	2.5 %	4.8 %	2.8 %	7.1 %	17.3 %	28.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0069 ppm	0.0564 ppm	0.0054 ppm	0.0054 ppm	0.0052 ppm	0.0062 ppm	0.0054 ppm
Concentration per Run	0.0053 ppm	0.0546 ppm	0.0056 ppm	0.0053 ppm	0.0055 ppm	0.0077 ppm	0.0057 ppm
Concentration per Run	0.0079 ppm	0.0563 ppm	0.0047 ppm	0.0054 ppm	0.0053 ppm	0.0064 ppm	0.0051 ppm
Concentration per Run	0.0075 ppm	0.0584 ppm	0.0060 ppm	0.0054 ppm	0.0047 ppm	0.0045 ppm	0.0053 ppm
Recovery Percentage	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	20.5 %	3.4 %	12.1 %	0.2 %	7.9 %	25.5 %	5.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0056 ppm	99.3721 %	99.6811 %	99.7331 %	100.5911 %	99.1541 %	99.6594 %
Concentration per Run	0.0055 ppm	99.4479 %	99.6232 %	99.4887 %	100.7194 %	98.7468 %	99.3590 %
Concentration per Run	0.0056 ppm	99.4860 %	100.3779 %	100.4614 %	100.3449 %	99.9530 %	100.2418 %
Concentration per Run	0.0056 ppm	99.1824 %	99.0424 %	99.2493 %	100.7091 %	98.7625 %	99.3773 %
Recovery Percentage	111.465 %						
Concentration RSD	1.3 %	0.2 %	0.7 %	0.6 %	0.2 %	0.7 %	0.5 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: LLOQ .01ppm Ni
Analysis started at: 11/28/2025 6:54:33 AM
Comment <Comment>
Rack Number 1
Vial Numbers 2

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0105 ppm	0.0187 ppm	0.0084 ppm	0.0115 ppm	0.0103 ppm	0.0100 ppm	0.0077 ppm
Concentration per Run	0.0099 ppm	0.0154 ppm	0.0078 ppm	0.0118 ppm	0.0103 ppm	0.0100 ppm	0.0083 ppm
Concentration per Run	0.0106 ppm	0.0191 ppm	0.0077 ppm	0.0111 ppm	0.0102 ppm	0.0100 ppm	0.0077 ppm
Concentration per Run	0.0109 ppm	0.0217 ppm	0.0097 ppm	0.0115 ppm	0.0104 ppm	0.0101 ppm	0.0071 ppm
Recovery Percentage	0.000 %	0.000 %	83.903 %	114.899 %	102.627 %	0.000 %	0.000 %
Concentration RSD	4.8 %	16.8 %	13.3 %	3.0 %	1.2 %	0.5 %	8.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0105 ppm	0.0104 ppm	0.0104 ppm	0.0105 ppm	0.0092 ppm	0.1143 ppm	**0.0133 ppm**
Concentration per Run	0.0105 ppm	0.0101 ppm	0.0102 ppm	0.0107 ppm	0.0100 ppm	0.1126 ppm	0.0136 ppm
Concentration per Run	0.0105 ppm	0.0103 ppm	0.0103 ppm	0.0108 ppm	0.0091 ppm	0.1112 ppm	0.0132 ppm
Concentration per Run	0.0106 ppm	0.0108 ppm	0.0107 ppm	0.0101 ppm	0.0085 ppm	0.1191 ppm	0.0132 ppm
Recovery Percentage	0.000 %	104.139 %	104.150 %	105.317 %	0.000 %	0.000 %	133.045 %
Concentration RSD	0.9 %	3.4 %	2.3 %	3.6 %	8.1 %	3.7 %	**1.8 %**

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0116 ppm	0.0103 ppm	0.0097 ppm	0.2103 ppm	0.0101 ppm	0.0095 ppm	0.0137 ppm
Concentration per Run	0.0091 ppm	0.0106 ppm	0.0100 ppm	0.2115 ppm	0.0098 ppm	0.0090 ppm	0.0126 ppm
Concentration per Run	0.0145 ppm	0.0101 ppm	0.0095 ppm	0.2112 ppm	0.0098 ppm	0.0087 ppm	0.0152 ppm
Concentration per Run	0.0112 ppm	0.0103 ppm	0.0098 ppm	0.2080 ppm	0.0106 ppm	0.0108 ppm	0.0132 ppm
Recovery Percentage	0.000 %	103.413 %	97.491 %	0.000 %	100.861 %	94.961 %	0.000 %
Concentration RSD	23.6 %	2.7 %	2.2 %	0.9 %	4.5 %	11.8 %	10.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	**0.0125 ppm**	0.1091 ppm	0.0103 ppm	0.0100 ppm	0.0100 ppm	0.0106 ppm	0.0104 ppm
Concentration per Run	0.0102 ppm	0.1063 ppm	0.0104 ppm	0.0099 ppm	0.0103 ppm	0.0104 ppm	0.0104 ppm
Concentration per Run	0.0135 ppm	0.1096 ppm	0.0105 ppm	0.0101 ppm	0.0097 ppm	0.0105 ppm	0.0105 ppm
Concentration per Run	0.0137 ppm	0.1114 ppm	0.0100 ppm	0.0101 ppm	0.0099 ppm	0.0108 ppm	0.0102 ppm
Recovery Percentage	124.730 %	0.000 %	103.269 %	100.227 %	99.809 %	105.739 %	103.793 %
Concentration RSD	**15.5 %**	2.3 %	2.5 %	0.7 %	2.9 %	2.1 %	1.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0106 ppm	99.3408 %	99.7581 %	101.3977 %	100.3993 %	98.6944 %	100.8419 %
Concentration per Run	0.0108 ppm	98.5323 %	99.4933 %	101.9471 %	99.8912 %	98.4181 %	101.3259 %
Concentration per Run	0.0105 ppm	100.4641 %	99.2298 %	101.6825 %	101.2788 %	98.0990 %	100.9254 %
Concentration per Run	0.0104 ppm	99.0259 %	100.5511 %	100.5633 %	100.0278 %	99.5660 %	100.2743 %
Recovery Percentage	105.817 %						
Concentration RSD	2.0 %	1.0 %	0.7 %	0.7 %	0.8 %	0.8 %	0.5 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: zLLOQ .05ppm
Analysis started at: 11/28/2025 6:56:42 AM
Comment <Comment>
Rack Number 1
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0521 ppm	0.0525 ppm	0.0475 ppm	0.0506 ppm	0.0514 ppm	0.0511 ppm	0.0452 ppm
Concentration per Run	0.0522 ppm	0.0563 ppm	0.0475 ppm	0.0512 ppm	0.0513 ppm	0.0513 ppm	0.0464 ppm
Concentration per Run	0.0518 ppm	0.0508 ppm	0.0470 ppm	0.0508 ppm	0.0514 ppm	0.0514 ppm	0.0429 ppm
Concentration per Run	0.0523 ppm	0.0505 ppm	0.0479 ppm	0.0500 ppm	0.0514 ppm	0.0507 ppm	0.0464 ppm
Recovery Percentage	0.000 %	105.045 %	0.000 %	0.000 %	0.000 %	0.000 %	90.394 %
Concentration RSD	0.5 %	6.3 %	0.9 %	1.2 %	0.1 %	0.7 %	4.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0519 ppm	0.0524 ppm	0.0520 ppm	0.0533 ppm	0.0508 ppm	**0.5260 ppm**	0.0572 ppm
Concentration per Run	0.0516 ppm	0.0527 ppm	0.0516 ppm	0.0535 ppm	0.0510 ppm	0.5562 ppm	0.0565 ppm
Concentration per Run	0.0518 ppm	0.0523 ppm	0.0517 ppm	0.0531 ppm	0.0493 ppm	0.5078 ppm	0.0582 ppm
Concentration per Run	0.0524 ppm	0.0522 ppm	0.0526 ppm	0.0533 ppm	0.0522 ppm	0.5139 ppm	0.0570 ppm
Recovery Percentage	0.000 %	0.000 %	0.000 %	0.000 %	101.674 %	21.038 %	0.000 %
Concentration RSD	0.9 %	0.5 %	1.0 %	0.4 %	2.8 %	**5.0 %**	1.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0519 ppm	0.0521 ppm	0.0490 ppm	1.0451 ppm	0.0523 ppm	0.0514 ppm	0.0526 ppm
Concentration per Run	0.0507 ppm	0.0523 ppm	0.0486 ppm	1.0414 ppm	0.0531 ppm	0.0526 ppm	0.0525 ppm
Concentration per Run	0.0535 ppm	0.0522 ppm	0.0491 ppm	1.0577 ppm	0.0525 ppm	0.0507 ppm	0.0478 ppm
Concentration per Run	0.0516 ppm	0.0518 ppm	0.0494 ppm	1.0363 ppm	0.0513 ppm	0.0511 ppm	0.0576 ppm
Recovery Percentage	103.881 %	0.000 %	0.000 %	104.510 %	0.000 %	0.000 %	105.270 %
Concentration RSD	2.7 %	0.5 %	0.8 %	1.1 %	1.8 %	1.9 %	9.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0528 ppm	0.5388 ppm	0.0513 ppm	0.0507 ppm	0.0500 ppm	**0.0534 ppm**	0.0514 ppm
Concentration per Run	0.0531 ppm	0.5335 ppm	0.0516 ppm	0.0506 ppm	0.0500 ppm	0.0524 ppm	0.0508 ppm
Concentration per Run	0.0544 ppm	0.5422 ppm	0.0515 ppm	0.0510 ppm	0.0500 ppm	0.0543 ppm	0.0517 ppm
Concentration per Run	0.0510 ppm	0.5406 ppm	0.0508 ppm	0.0504 ppm	0.0499 ppm	0.0534 ppm	0.0517 ppm
Recovery Percentage	0.000 %	107.754 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	3.3 %	0.9 %	0.8 %	0.6 %	0.0 %	1.8 %	1.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0515 ppm	101.8917 %	100.6560 %	102.1489 %	101.2558 %	99.2072 %	100.6101 %
Concentration per Run	0.0514 ppm	102.6316 %	100.5639 %	101.5588 %	101.8360 %	99.4133 %	99.8716 %
Concentration per Run	0.0512 ppm	101.8439 %	99.9225 %	102.1029 %	101.2560 %	98.5479 %	100.7379 %
Concentration per Run	0.0519 ppm	101.1996 %	101.4815 %	102.7851 %	100.6755 %	99.6603 %	101.2207 %
Recovery Percentage	102.984 %						
Concentration RSD	0.7 %	0.7 %	0.8 %	0.6 %	0.6 %	0.6 %	0.7 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: LDR 5 As Pass
Analysis started at: 11/28/2025 6:58:51 AM
Comment <Comment>
Rack Number 1
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0004 ppm	0.0103 ppm	4.9783 ppm	0.0004 ppm	0.0002 ppm	0.0000 ppm	-0.0035 ppm
Concentration per Run	-0.0006 ppm	0.0134 ppm	4.9602 ppm	0.0002 ppm	0.0003 ppm	0.0000 ppm	-0.0038 ppm
Concentration per Run	-0.0005 ppm	0.0063 ppm	4.9942 ppm	0.0014 ppm	0.0000 ppm	0.0000 ppm	-0.0041 ppm
Concentration per Run	-0.0003 ppm	0.0111 ppm	4.9804 ppm	-0.0005 ppm	0.0002 ppm	0.0000 ppm	-0.0025 ppm
Concentration RSD	35.2 %	35.3 %	0.3 %	238.4 %	70.9 %	241.1 %	24.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	-0.0003 ppm	-0.0003 ppm	0.0010 ppm	-0.0228 ppm	0.0009 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	-0.0006 ppm	-0.0004 ppm	-0.0001 ppm	-0.0239 ppm	0.0008 ppm
Concentration per Run	-0.0001 ppm	0.0000 ppm	0.0000 ppm	-0.0005 ppm	0.0022 ppm	-0.0284 ppm	0.0006 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	-0.0003 ppm	-0.0001 ppm	0.0008 ppm	-0.0160 ppm	0.0013 ppm
Concentration RSD	286.2 %	113.6 %	98.9 %	73.3 %	124.7 %	27.5 %	36.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0006 ppm	0.0000 ppm	-0.0002 ppm	-0.0051 ppm	-0.0005 ppm	-0.0007 ppm	-0.0032 ppm
Concentration per Run	0.0010 ppm	0.0001 ppm	-0.0002 ppm	-0.0034 ppm	-0.0004 ppm	-0.0006 ppm	-0.0044 ppm
Concentration per Run	0.0010 ppm	-0.0001 ppm	-0.0003 ppm	-0.0044 ppm	-0.0007 ppm	-0.0013 ppm	-0.0025 ppm
Concentration per Run	-0.0001 ppm	0.0000 ppm	-0.0001 ppm	-0.0075 ppm	-0.0003 ppm	-0.0003 ppm	-0.0029 ppm
Concentration RSD	93.5 %	437.2 %	65.3 %	42.7 %	45.1 %	67.1 %	31.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0004 ppm	-0.0001 ppm	0.0005 ppm	0.0001 ppm	-0.0001 ppm	0.0006 ppm	-0.0001 ppm
Concentration per Run	0.0010 ppm	-0.0001 ppm	0.0007 ppm	0.0001 ppm	-0.0001 ppm	0.0001 ppm	-0.0004 ppm
Concentration per Run	-0.0006 ppm	-0.0008 ppm	0.0003 ppm	0.0000 ppm	-0.0003 ppm	0.0019 ppm	-0.0002 ppm
Concentration per Run	0.0007 ppm	0.0005 ppm	0.0006 ppm	0.0002 ppm	0.0002 ppm	-0.0001 ppm	0.0001 ppm
Concentration RSD	207.9 %	726.0 %	42.6 %	125.9 %	441.0 %	174.9 %	148.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0003 ppm	101.6228 %	100.7834 %	102.5728 %	100.9661 %	99.1009 %	100.8462 %
Concentration per Run	0.0005 ppm	100.8357 %	100.6086 %	102.4385 %	100.3831 %	98.9832 %	100.6779 %
Concentration per Run	0.0000 ppm	101.7700 %	100.7239 %	102.9945 %	100.8690 %	99.4216 %	101.3771 %
Concentration per Run	0.0003 ppm	102.2626 %	101.0177 %	102.2853 %	101.6462 %	98.8978 %	100.4836 %
Concentration RSD	80.1 %	0.7 %	0.2 %	0.4 %	0.6 %	0.3 %	0.5 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: LDR 10 Sb Pass
Analysis started at: 11/28/2025 7:01:00 AM
Comment <Comment>
Rack Number 1
Vial Numbers 5

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	0.0003 ppm	-0.0014 ppm	0.0005 ppm	0.0002 ppm	0.0000 ppm	-0.0005 ppm
Concentration per Run	-0.0004 ppm	-0.0061 ppm	-0.0006 ppm	-0.0004 ppm	0.0003 ppm	0.0000 ppm	0.0011 ppm
Concentration per Run	0.0002 ppm	0.0094 ppm	-0.0005 ppm	0.0017 ppm	0.0003 ppm	0.0000 ppm	0.0018 ppm
Concentration per Run	0.0007 ppm	-0.0025 ppm	-0.0031 ppm	0.0003 ppm	0.0001 ppm	0.0000 ppm	-0.0044 ppm
Concentration RSD	334.9 %	2,996.7 %	108.4 %	212.2 %	35.9 %	45.5 %	682.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0000 ppm	-0.0002 ppm	-0.0001 ppm	0.0001 ppm	-0.0085 ppm	0.0004 ppm
Concentration per Run	-0.0001 ppm	-0.0002 ppm	-0.0004 ppm	-0.0001 ppm	-0.0012 ppm	-0.0050 ppm	-0.0020 ppm
Concentration per Run	0.0000 ppm	0.0004 ppm	0.0000 ppm	-0.0001 ppm	0.0012 ppm	-0.0102 ppm	0.0004 ppm
Concentration per Run	0.0000 ppm	-0.0002 ppm	-0.0003 ppm	0.0000 ppm	0.0002 ppm	-0.0103 ppm	0.0029 ppm
Concentration RSD	37.7 %	1,041.6 %	103.0 %	70.3 %	2,008.2 %	35.5 %	558.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0006 ppm	0.0001 ppm	-0.0003 ppm	-0.0010 ppm	-0.0001 ppm	-0.0014 ppm	**10.2179 ppm**
Concentration per Run	-0.0030 ppm	0.0001 ppm	-0.0001 ppm	-0.0056 ppm	-0.0008 ppm	-0.0012 ppm	10.1954 ppm
Concentration per Run	-0.0018 ppm	0.0001 ppm	-0.0007 ppm	0.0000 ppm	0.0006 ppm	-0.0007 ppm	10.2650 ppm
Concentration per Run	0.0029 ppm	0.0001 ppm	-0.0002 ppm	0.0026 ppm	-0.0002 ppm	-0.0022 ppm	10.1934 ppm
Concentration RSD	502.6 %	29.2 %	97.2 %	417.1 %	501.2 %	57.5 %	0.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0039 ppm	0.0004 ppm	-0.0007 ppm	0.0001 ppm	-0.0001 ppm	0.0011 ppm	-0.0001 ppm
Concentration per Run	0.0014 ppm	-0.0012 ppm	-0.0013 ppm	0.0002 ppm	-0.0003 ppm	0.0015 ppm	0.0000 ppm
Concentration per Run	0.0043 ppm	0.0019 ppm	-0.0002 ppm	0.0001 ppm	0.0005 ppm	0.0013 ppm	-0.0001 ppm
Concentration per Run	0.0059 ppm	0.0004 ppm	-0.0008 ppm	-0.0001 ppm	-0.0003 ppm	0.0005 ppm	0.0000 ppm
Concentration RSD	59.6 %	420.2 %	74.9 %	138.3 %	604.6 %	51.7 %	115.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0001 ppm	102.4169 %	101.5360 %	102.5473 %	101.4927 %	99.5382 %	100.8328 %
Concentration per Run	0.0000 ppm	101.7934 %	100.5285 %	102.1024 %	101.0625 %	98.7314 %	100.2682 %
Concentration per Run	0.0002 ppm	103.3280 %	101.2350 %	102.9200 %	101.9274 %	99.2931 %	101.3742 %
Concentration per Run	0.0001 ppm	102.1294 %	102.8445 %	102.6195 %	101.4883 %	100.5901 %	100.8559 %
Concentration RSD	99.5 %	0.8 %	1.2 %	0.4 %	0.4 %	1.0 %	0.5 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: CCV
Analysis started at: 11/28/2025 7:05:08 AM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5056 ppm	0.4789 ppm	0.4793 ppm	0.4939 ppm	0.4960 ppm	0.5038 ppm	0.4903 ppm
Concentration per Run	0.5018 ppm	0.4746 ppm	0.4759 ppm	0.4901 ppm	0.4951 ppm	0.5025 ppm	0.4833 ppm
Concentration per Run	0.5072 ppm	0.4937 ppm	0.4831 ppm	0.4963 ppm	0.5010 ppm	0.5065 ppm	0.4967 ppm
Concentration per Run	0.5079 ppm	0.4685 ppm	0.4789 ppm	0.4954 ppm	0.4919 ppm	0.5024 ppm	0.4908 ppm
Recovery Percentage	101.127 %	95.786 %	95.858 %	98.786 %	99.201 %	100.759 %	98.054 %
Concentration RSD	0.7 %	2.7 %	0.7 %	0.7 %	0.9 %	0.5 %	1.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5147 ppm	0.5126 ppm	0.5110 ppm	0.5198 ppm	0.4964 ppm	5.1383 ppm	0.5220 ppm
Concentration per Run	0.5102 ppm	0.5108 ppm	0.5058 ppm	0.5156 ppm	0.4937 ppm	5.1491 ppm	0.5221 ppm
Concentration per Run	0.5163 ppm	0.5134 ppm	0.5121 ppm	0.5228 ppm	0.5013 ppm	5.1954 ppm	0.5363 ppm
Concentration per Run	0.5175 ppm	0.5136 ppm	0.5151 ppm	0.5210 ppm	0.4940 ppm	5.0703 ppm	0.5076 ppm
Recovery Percentage	102.935 %	102.517 %	102.202 %	103.957 %	99.271 %	102.766 %	104.399 %
Concentration RSD	0.8 %	0.3 %	0.9 %	0.7 %	0.9 %	1.2 %	2.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5001 ppm	0.5053 ppm	0.4908 ppm	10.0831 ppm	0.5145 ppm	0.4965 ppm	0.5185 ppm
Concentration per Run	0.4997 ppm	0.5053 ppm	0.4872 ppm	10.0759 ppm	0.5124 ppm	0.4953 ppm	0.5126 ppm
Concentration per Run	0.5023 ppm	0.5094 ppm	0.4928 ppm	10.1599 ppm	0.5169 ppm	0.4983 ppm	0.5235 ppm
Concentration per Run	0.4982 ppm	0.5011 ppm	0.4924 ppm	10.0135 ppm	0.5143 ppm	0.4959 ppm	0.5195 ppm
Recovery Percentage	100.016 %	101.055 %	98.157 %	100.831 %	102.905 %	99.302 %	103.705 %
Concentration RSD	0.4 %	0.8 %	0.6 %	0.7 %	0.4 %	0.3 %	1.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4800 ppm	5.3977 ppm	0.4951 ppm	0.4907 ppm	0.4966 ppm	0.5047 ppm	0.5111 ppm
Concentration per Run	0.4767 ppm	5.3401 ppm	0.4904 ppm	0.4894 ppm	0.4969 ppm	0.5032 ppm	0.5080 ppm
Concentration per Run	0.4815 ppm	5.4191 ppm	0.4973 ppm	0.4954 ppm	0.4954 ppm	0.5067 ppm	0.5138 ppm
Concentration per Run	0.4818 ppm	5.4339 ppm	0.4977 ppm	0.4874 ppm	0.4974 ppm	0.5041 ppm	0.5115 ppm
Recovery Percentage	95.997 %	102.813 %	99.028 %	98.140 %	99.312 %	100.935 %	102.217 %
Concentration RSD	0.6 %	0.9 %	0.8 %	0.9 %	0.2 %	0.4 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5116 ppm	100.9961 %	100.2383 %	100.0858 %	99.1509 %	98.0953 %	98.9406 %
Concentration per Run	0.5074 ppm	101.3999 %	100.7582 %	100.6594 %	99.0584 %	98.7926 %	99.6575 %
Concentration per Run	0.5132 ppm	100.4938 %	99.3159 %	99.6422 %	99.0302 %	97.6588 %	98.5579 %
Concentration per Run	0.5141 ppm	101.0946 %	100.6407 %	99.9558 %	99.3642 %	97.8346 %	98.6064 %
Recovery Percentage	102.316 %						
Concentration RSD	0.7 %	0.5 %	0.8 %	0.5 %	0.2 %	0.6 %	0.6 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: CCB
Analysis started at: 11/28/2025 7:07:17 AM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	0.0133 ppm	-0.0008 ppm	-0.0002 ppm	0.0001 ppm	0.0000 ppm	-0.0006 ppm
Concentration per Run	0.0004 ppm	0.0099 ppm	0.0014 ppm	-0.0005 ppm	0.0001 ppm	0.0000 ppm	-0.0022 ppm
Concentration per Run	-0.0003 ppm	0.0119 ppm	0.0007 ppm	-0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0008 ppm
Concentration per Run	0.0003 ppm	0.0182 ppm	-0.0044 ppm	0.0003 ppm	0.0001 ppm	0.0000 ppm	-0.0004 ppm
Recovery Percentage	1.900 %	13.319 %	-15.306 %	-0.536 %	0.954 %	0.507 %	-0.599 %
Concentration RSD	307.9 %	32.4 %	417.8 %	236.7 %	55.4 %	123.2 %	255.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0014 ppm	-0.0103 ppm	0.0015 ppm
Concentration per Run	-0.0001 ppm	0.0005 ppm	0.0003 ppm	-0.0001 ppm	-0.0012 ppm	-0.0083 ppm	-0.0007 ppm
Concentration per Run	0.0000 ppm	-0.0003 ppm	0.0001 ppm	-0.0001 ppm	-0.0015 ppm	-0.0120 ppm	0.0029 ppm
Concentration per Run	0.0001 ppm	-0.0006 ppm	-0.0002 ppm	0.0006 ppm	-0.0016 ppm	-0.0106 ppm	0.0023 ppm
Recovery Percentage	-0.290 %	-0.735 %	0.713 %	1.459 %	-2.876 %	-0.412 %	30.280 %
Concentration RSD	805.1 %	399.4 %	355.7 %	250.7 %	15.9 %	18.5 %	125.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0005 ppm	0.0003 ppm	0.0003 ppm	0.0020 ppm	-0.0007 ppm	-0.0007 ppm	0.0015 ppm
Concentration per Run	0.0005 ppm	0.0006 ppm	0.0005 ppm	0.0068 ppm	-0.0006 ppm	-0.0003 ppm	0.0005 ppm
Concentration per Run	-0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0087 ppm	-0.0003 ppm	-0.0019 ppm	0.0006 ppm
Concentration per Run	0.0015 ppm	0.0003 ppm	0.0004 ppm	-0.0094 ppm	-0.0011 ppm	0.0002 ppm	0.0033 ppm
Recovery Percentage	0.514 %	2.717 %	0.542 %	0.102 %	-2.730 %	-6.978 %	2.951 %
Concentration RSD	181.5 %	112.5 %	100.3 %	487.1 %	53.9 %	157.5 %	108.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0018 ppm	-0.0012 ppm	0.0008 ppm	0.0001 ppm	-0.0001 ppm	0.0014 ppm	-0.0002 ppm
Concentration per Run	0.0011 ppm	0.0006 ppm	0.0006 ppm	-0.0001 ppm	-0.0002 ppm	0.0014 ppm	-0.0002 ppm
Concentration per Run	0.0018 ppm	-0.0030 ppm	0.0008 ppm	0.0001 ppm	0.0001 ppm	0.0024 ppm	-0.0003 ppm
Concentration per Run	0.0026 ppm	-0.0014 ppm	0.0010 ppm	0.0002 ppm	-0.0002 ppm	0.0004 ppm	0.0000 ppm
Recovery Percentage	18.279 %	-0.246 %	1.609 %	0.924 %	-1.254 %	6.974 %	-1.655 %
Concentration RSD	42.2 %	146.4 %	28.6 %	165.8 %	146.4 %	70.3 %	106.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0003 ppm	98.4690 %	97.6658 %	98.6485 %	98.8232 %	97.7589 %	98.4264 %
Concentration per Run	0.0004 ppm	98.5973 %	97.4801 %	98.9498 %	98.3096 %	97.7144 %	98.8841 %
Concentration per Run	0.0000 ppm	98.2747 %	97.3678 %	97.8782 %	98.6287 %	97.8507 %	97.7363 %
Concentration per Run	0.0004 ppm	98.5350 %	98.1495 %	99.1174 %	99.5314 %	97.7117 %	98.6587 %
Recovery Percentage	5.541 %						
Concentration RSD	87.3 %	0.2 %	0.4 %	0.7 %	0.6 %	0.1 %	0.6 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2146092-1 WG2146092
Analysis started at: 11/28/2025 7:19:52 AM
Comment <Comment>
Rack Number 1
Vial Numbers 6

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0086 ppm	-0.0008 ppm	0.0012 ppm	0.0002 ppm	0.0000 ppm	0.0049 ppm
Concentration per Run	-0.0001 ppm	0.0003 ppm	-0.0019 ppm	0.0014 ppm	0.0002 ppm	0.0000 ppm	0.0052 ppm
Concentration per Run	0.0001 ppm	0.0221 ppm	-0.0017 ppm	0.0011 ppm	0.0002 ppm	0.0001 ppm	0.0012 ppm
Concentration per Run	0.0001 ppm	0.0034 ppm	0.0013 ppm	0.0013 ppm	0.0002 ppm	0.0001 ppm	0.0081 ppm
Recovery Percentage	0.376 %	8.604 %	-15.568 %	4.129 %	1.946 %	1.099 %	4.851 %
Concentration RSD	432.6 %	136.8 %	228.0 %	13.3 %	18.7 %	117.5 %	71.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0001 ppm	0.0001 ppm	0.0006 ppm	0.0152 ppm	-0.0068 ppm	0.0007 ppm
Concentration per Run	0.0000 ppm	-0.0007 ppm	-0.0001 ppm	0.0002 ppm	0.0138 ppm	-0.0138 ppm	-0.0012 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	0.0000 ppm	0.0009 ppm	0.0146 ppm	-0.0173 ppm	0.0026 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0006 ppm	0.0172 ppm	0.0105 ppm	0.0006 ppm
Recovery Percentage	1.602 %	-0.500 %	0.927 %	5.671 %	30.386 %	-0.274 %	13.489 %
Concentration RSD	49.3 %	510.3 %	228.8 %	60.9 %	11.6 %	221.5 %	278.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0054 ppm	0.0002 ppm	-0.0004 ppm	0.0007 ppm	-0.0003 ppm	-0.0015 ppm	0.0021 ppm
Concentration per Run	0.0055 ppm	0.0001 ppm	0.0000 ppm	0.0018 ppm	0.0000 ppm	-0.0016 ppm	-0.0017 ppm
Concentration per Run	0.0056 ppm	0.0003 ppm	-0.0006 ppm	-0.0067 ppm	-0.0004 ppm	-0.0011 ppm	-0.0016 ppm
Concentration per Run	0.0052 ppm	0.0002 ppm	-0.0007 ppm	0.0071 ppm	-0.0004 ppm	-0.0018 ppm	0.0096 ppm
Recovery Percentage	5.435 %	1.954 %	-0.845 %	0.036 %	-1.100 %	-14.906 %	4.139 %
Concentration RSD	3.1 %	30.2 %	83.3 %	965.9 %	78.8 %	23.4 %	313.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0018 ppm	0.0096 ppm	0.0101 ppm	0.0001 ppm	0.0001 ppm	-0.0009 ppm	-0.0003 ppm
Concentration per Run	0.0022 ppm	0.0094 ppm	0.0107 ppm	0.0002 ppm	-0.0005 ppm	-0.0010 ppm	0.0000 ppm
Concentration per Run	0.0018 ppm	0.0082 ppm	0.0096 ppm	0.0001 ppm	0.0007 ppm	-0.0006 ppm	-0.0004 ppm
Concentration per Run	0.0015 ppm	0.0114 ppm	0.0099 ppm	0.0000 ppm	0.0001 ppm	-0.0011 ppm	-0.0005 ppm
Recovery Percentage	18.339 %	1.926 %	20.169 %	1.002 %	0.970 %	-4.570 %	-3.111 %
Concentration RSD	20.7 %	16.7 %	5.4 %	77.0 %	598.1 %	27.6 %	85.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0012 ppm	100.4109 %	99.8398 %	99.7188 %	100.8174 %	98.8398 %	100.3701 %
Concentration per Run	0.0014 ppm	100.7779 %	100.5736 %	100.0661 %	101.0691 %	99.1326 %	100.5833 %
Concentration per Run	0.0011 ppm	100.8643 %	99.7228 %	99.5084 %	101.0152 %	98.8414 %	100.0620 %
Concentration per Run	0.0011 ppm	99.5906 %	99.2231 %	99.5820 %	100.3680 %	98.5454 %	100.4650 %
Recovery Percentage	24.150 %						
Concentration RSD	14.0 %	0.7 %	0.7 %	0.3 %	0.4 %	0.3 %	0.3 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: WG2146092-2D2 WG2146092
Analysis started at: 11/28/2025 7:22:07 AM
Comment <Comment>
Rack Number 1
Vial Numbers 7

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0515 ppm	2.1250 ppm	0.1225 ppm	0.9948 ppm	2.0939 ppm	0.0532 ppm	10.2436 ppm
Concentration per Run	0.0511 ppm	2.1325 ppm	0.1210 ppm	0.9898 ppm	2.1056 ppm	0.0535 ppm	10.3003 ppm
Concentration per Run	0.0517 ppm	2.1351 ppm	0.1241 ppm	0.9952 ppm	2.0957 ppm	0.0533 ppm	10.2335 ppm
Concentration per Run	0.0517 ppm	2.1073 ppm	0.1223 ppm	0.9993 ppm	2.0805 ppm	0.0528 ppm	10.1968 ppm
Concentration RSD	0.6 %	0.7 %	1.2 %	0.5 %	0.6 %	0.7 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0554 ppm	0.5178 ppm	0.2110 ppm	0.2668 ppm	1.0562 ppm	10.3025 ppm	0.0031 ppm
Concentration per Run	0.0552 ppm	0.5165 ppm	0.2100 ppm	0.2661 ppm	1.0659 ppm	10.3681 ppm	0.0031 ppm
Concentration per Run	0.0554 ppm	0.5172 ppm	0.2114 ppm	0.2665 ppm	1.0582 ppm	10.2904 ppm	0.0032 ppm
Concentration per Run	0.0557 ppm	0.5199 ppm	0.2114 ppm	0.2678 ppm	1.0445 ppm	10.2489 ppm	0.0029 ppm
Concentration RSD	0.5 %	0.3 %	0.4 %	0.3 %	1.0 %	0.6 %	6.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	10.1012 ppm	0.5242 ppm	0.9880 ppm	10.4736 ppm	0.5238 ppm	0.5388 ppm	0.5179 ppm
Concentration per Run	10.0559 ppm	0.5281 ppm	0.9857 ppm	10.5202 ppm	0.5236 ppm	0.5419 ppm	0.5181 ppm
Concentration per Run	10.0560 ppm	0.5232 ppm	0.9851 ppm	10.4334 ppm	0.5237 ppm	0.5379 ppm	0.5150 ppm
Concentration per Run	10.1918 ppm	0.5215 ppm	0.9932 ppm	10.4672 ppm	0.5242 ppm	0.5366 ppm	0.5205 ppm
Concentration RSD	0.8 %	0.7 %	0.5 %	0.4 %	0.1 %	0.5 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1212 ppm	1.5058 ppm	0.8080 ppm	0.9654 ppm	0.9956 ppm	0.1229 ppm	0.5382 ppm
Concentration per Run	0.1252 ppm	1.5013 ppm	0.8088 ppm	0.9717 ppm	0.9895 ppm	0.1206 ppm	0.5378 ppm
Concentration per Run	0.1173 ppm	1.5013 ppm	0.8014 ppm	0.9662 ppm	0.9950 ppm	0.1239 ppm	0.5367 ppm
Concentration per Run	0.1210 ppm	1.5148 ppm	0.8137 ppm	0.9584 ppm	1.0025 ppm	0.1242 ppm	0.5399 ppm
Concentration RSD	3.3 %	0.5 %	0.8 %	0.7 %	0.7 %	1.6 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5241 ppm	99.3465 %	99.3611 %	97.1359 %	98.4450 %	97.5869 %	97.2578 %
Concentration per Run	0.5228 ppm	99.1523 %	98.6618 %	96.7090 %	97.8301 %	97.5596 %	97.0503 %
Concentration per Run	0.5244 ppm	99.6324 %	99.0853 %	97.3860 %	98.8669 %	97.3983 %	97.4490 %
Concentration per Run	0.5250 ppm	99.2547 %	100.3363 %	97.3127 %	98.6381 %	97.8028 %	97.2742 %
Concentration RSD	0.2 %	0.3 %	0.9 %	0.4 %	0.6 %	0.2 %	0.2 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574897-01D2 WG2146092
Analysis started at: 11/28/2025 7:24:16 AM
Comment
Rack Number 1
Vial Numbers 18

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0006 ppm	66.7867 ppm	0.0627 ppm	0.0316 ppm	0.8222 ppm	0.0036 ppm	37.3997 ppm
Concentration per Run	0.0003 ppm	66.9250 ppm	0.0616 ppm	0.0309 ppm	0.8220 ppm	0.0037 ppm	37.4122 ppm
Concentration per Run	0.0003 ppm	66.6920 ppm	0.0644 ppm	0.0322 ppm	0.8241 ppm	0.0036 ppm	37.2897 ppm
Concentration per Run	0.0012 ppm	66.7430 ppm	0.0622 ppm	0.0318 ppm	0.8204 ppm	0.0036 ppm	37.4973 ppm
Concentration RSD	80.4 %	0.2 %	2.3 %	2.1 %	0.2 %	0.7 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0036 ppm	0.0684 ppm	0.1341 ppm	0.1905 ppm	157.0859 ppm	4.9011 ppm	0.1643 ppm
Concentration per Run	0.0034 ppm	0.0690 ppm	0.1348 ppm	0.1913 ppm	157.1228 ppm	4.9156 ppm	0.1648 ppm
Concentration per Run	0.0037 ppm	0.0682 ppm	0.1347 ppm	0.1907 ppm	157.0256 ppm	4.8848 ppm	0.1648 ppm
Concentration per Run	0.0036 ppm	0.0680 ppm	0.1329 ppm	0.1896 ppm	157.1094 ppm	4.9029 ppm	0.1633 ppm
Concentration RSD	4.0 %	0.7 %	0.8 %	0.4 %	0.0 %	0.3 %	0.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	27.6598 ppm	4.7684 ppm	0.0064 ppm	1.4874 ppm	0.1512 ppm	0.2944 ppm	0.0037 ppm
Concentration per Run	27.6525 ppm	4.7748 ppm	0.0065 ppm	1.4904 ppm	0.1517 ppm	0.2945 ppm	0.0049 ppm
Concentration per Run	27.7552 ppm	4.7570 ppm	0.0062 ppm	1.4819 ppm	0.1508 ppm	0.2955 ppm	0.0036 ppm
Concentration per Run	27.5717 ppm	4.7734 ppm	0.0067 ppm	1.4899 ppm	0.1510 ppm	0.2932 ppm	0.0024 ppm
Concentration RSD	0.3 %	0.2 %	4.2 %	0.3 %	0.3 %	0.4 %	34.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0052 ppm	2.5733 ppm	0.0137 ppm	0.1048 ppm	0.2447 ppm	-0.0001 ppm	0.1048 ppm
Concentration per Run	0.0044 ppm	2.5881 ppm	0.0126 ppm	0.1049 ppm	0.2438 ppm	-0.0003 ppm	0.1049 ppm
Concentration per Run	0.0036 ppm	2.5717 ppm	0.0143 ppm	0.1045 ppm	0.2461 ppm	-0.0022 ppm	0.1051 ppm
Concentration per Run	0.0076 ppm	2.5602 ppm	0.0143 ppm	0.1050 ppm	0.2441 ppm	0.0020 ppm	0.1045 ppm
Concentration RSD	41.6 %	0.5 %	7.3 %	0.2 %	0.5 %	1,406.8 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6963 ppm	100.6999 %	102.5341 %	95.1808 %	110.5711 %	113.3467 %	111.2343 %
Concentration per Run	0.6990 ppm	100.2181 %	102.3726 %	95.4216 %	110.0159 %	113.3998 %	111.4772 %
Concentration per Run	0.6974 ppm	100.4881 %	102.8713 %	94.9017 %	110.3641 %	113.3493 %	111.1461 %
Concentration per Run	0.6925 ppm	101.3935 %	102.3583 %	95.2192 %	111.3335 %	113.2911 %	111.0795 %
Concentration RSD	0.5 %	0.6 %	0.3 %	0.3 %	0.6 %	0.0 %	0.2 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574897-02D2 WG2146092
Analysis started at: 11/28/2025 7:26:25 AM
Comment <Comment>
Rack Number 1
Vial Numbers 19

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0016 ppm	74.2127 ppm	0.0624 ppm	0.0305 ppm	0.8780 ppm	0.0041 ppm	57.1045 ppm
Concentration per Run	0.0018 ppm	74.2682 ppm	0.0623 ppm	0.0296 ppm	0.8776 ppm	0.0042 ppm	57.2273 ppm
Concentration per Run	0.0015 ppm	73.8350 ppm	0.0615 ppm	0.0302 ppm	0.8732 ppm	0.0041 ppm	56.8246 ppm
Concentration per Run	0.0013 ppm	74.5350 ppm	0.0634 ppm	0.0317 ppm	0.8831 ppm	0.0040 ppm	57.2616 ppm
Concentration RSD	16.0 %	0.5 %	1.5 %	3.5 %	0.6 %	1.7 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0071 ppm	0.0786 ppm	0.1266 ppm	0.2502 ppm	170.7388 ppm	5.1532 ppm	0.1833 ppm
Concentration per Run	0.0071 ppm	0.0779 ppm	0.1265 ppm	0.2503 ppm	170.8251 ppm	5.1330 ppm	0.1837 ppm
Concentration per Run	0.0070 ppm	0.0788 ppm	0.1260 ppm	0.2483 ppm	169.5484 ppm	5.1480 ppm	0.1814 ppm
Concentration per Run	0.0071 ppm	0.0790 ppm	0.1272 ppm	0.2521 ppm	171.8429 ppm	5.1785 ppm	0.1849 ppm
Concentration RSD	0.8 %	0.7 %	0.5 %	0.8 %	0.7 %	0.4 %	1.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	31.6739 ppm	4.8324 ppm	0.0022 ppm	3.9169 ppm	0.1858 ppm	0.4875 ppm	0.0037 ppm
Concentration per Run	31.5796 ppm	4.8452 ppm	0.0016 ppm	3.9254 ppm	0.1853 ppm	0.4884 ppm	0.0028 ppm
Concentration per Run	31.6474 ppm	4.7996 ppm	0.0028 ppm	3.8900 ppm	0.1851 ppm	0.4865 ppm	0.0066 ppm
Concentration per Run	31.7947 ppm	4.8523 ppm	0.0023 ppm	3.9353 ppm	0.1870 ppm	0.4877 ppm	0.0018 ppm
Concentration RSD	0.3 %	0.6 %	28.0 %	0.6 %	0.6 %	0.2 %	67.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0025 ppm	4.0878 ppm	0.0179 ppm	0.1139 ppm	0.2987 ppm	-0.0014 ppm	0.1122 ppm
Concentration per Run	0.0015 ppm	4.0837 ppm	0.0178 ppm	0.1139 ppm	0.2978 ppm	-0.0012 ppm	0.1119 ppm
Concentration per Run	0.0041 ppm	4.0801 ppm	0.0177 ppm	0.1133 ppm	0.2985 ppm	-0.0006 ppm	0.1118 ppm
Concentration per Run	0.0019 ppm	4.0995 ppm	0.0183 ppm	0.1147 ppm	0.2999 ppm	-0.0024 ppm	0.1129 ppm
Concentration RSD	55.5 %	0.3 %	1.6 %	0.6 %	0.3 %	66.6 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.9507 ppm	99.0255 %	102.6455 %	93.9934 %	110.1564 %	114.0722 %	111.4180 %
Concentration per Run	0.9509 ppm	99.0610 %	102.7925 %	93.8548 %	110.2321 %	114.8243 %	111.6185 %
Concentration per Run	0.9469 ppm	99.4082 %	102.7781 %	94.3636 %	110.5213 %	113.4641 %	111.7587 %
Concentration per Run	0.9543 ppm	98.6073 %	102.3659 %	93.7616 %	109.7158 %	113.9283 %	110.8767 %
Concentration RSD	0.4 %	0.4 %	0.2 %	0.3 %	0.4 %	0.6 %	0.4 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574897-03D2 WG2146092
Analysis started at: 11/28/2025 7:28:34 AM
Comment <Comment>
Rack Number 1
Vial Numbers 20

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0009 ppm	60.0803 ppm	0.0450 ppm	0.0338 ppm	0.8290 ppm	0.0032 ppm	82.6186 ppm
Concentration per Run	0.0006 ppm	60.2765 ppm	0.0454 ppm	0.0348 ppm	0.8314 ppm	0.0032 ppm	82.8773 ppm
Concentration per Run	0.0014 ppm	59.6466 ppm	0.0453 ppm	0.0350 ppm	0.8256 ppm	0.0031 ppm	82.0476 ppm
Concentration per Run	0.0007 ppm	60.3177 ppm	0.0444 ppm	0.0318 ppm	0.8300 ppm	0.0032 ppm	82.9309 ppm
Concentration RSD	49.7 %	0.6 %	1.2 %	5.3 %	0.4 %	1.6 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0024 ppm	0.0651 ppm	0.0886 ppm	0.1516 ppm	142.2564 ppm	5.6427 ppm	0.1537 ppm
Concentration per Run	0.0024 ppm	0.0648 ppm	0.0886 ppm	0.1520 ppm	142.1794 ppm	5.6258 ppm	0.1577 ppm
Concentration per Run	0.0024 ppm	0.0653 ppm	0.0886 ppm	0.1508 ppm	141.3441 ppm	5.6358 ppm	0.1534 ppm
Concentration per Run	0.0025 ppm	0.0653 ppm	0.0885 ppm	0.1521 ppm	143.2457 ppm	5.6667 ppm	0.1499 ppm
Concentration RSD	1.7 %	0.5 %	0.1 %	0.5 %	0.7 %	0.4 %	2.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	34.4386 ppm	5.2854 ppm	0.0012 ppm	0.2937 ppm	0.1397 ppm	0.1701 ppm	0.0011 ppm
Concentration per Run	34.4588 ppm	5.3019 ppm	0.0016 ppm	0.2948 ppm	0.1389 ppm	0.1698 ppm	0.0026 ppm
Concentration per Run	34.4242 ppm	5.2528 ppm	0.0009 ppm	0.2924 ppm	0.1396 ppm	0.1709 ppm	0.0012 ppm
Concentration per Run	34.4329 ppm	5.3015 ppm	0.0010 ppm	0.2939 ppm	0.1405 ppm	0.1695 ppm	-0.0006 ppm
Concentration RSD	0.1 %	0.5 %	33.2 %	0.4 %	0.6 %	0.4 %	147.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0014 ppm	2.4574 ppm	0.0419 ppm	0.1487 ppm	0.2570 ppm	-0.0012 ppm	0.0891 ppm
Concentration per Run	0.0014 ppm	2.4639 ppm	0.0408 ppm	0.1493 ppm	0.2567 ppm	-0.0002 ppm	0.0891 ppm
Concentration per Run	0.0044 ppm	2.4616 ppm	0.0414 ppm	0.1482 ppm	0.2580 ppm	-0.0013 ppm	0.0892 ppm
Concentration per Run	-0.0016 ppm	2.4466 ppm	0.0436 ppm	0.1485 ppm	0.2563 ppm	-0.0020 ppm	0.0891 ppm
Concentration RSD	212.2 %	0.4 %	3.5 %	0.4 %	0.3 %	75.2 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6170 ppm	99.0516 %	101.8391 %	93.5375 %	108.7011 %	112.6103 %	109.8084 %
Concentration per Run	0.6178 ppm	98.8492 %	101.8462 %	93.1375 %	108.5842 %	112.9538 %	109.4507 %
Concentration per Run	0.6169 ppm	99.2796 %	102.3478 %	93.9045 %	108.8063 %	112.4475 %	110.1870 %
Concentration per Run	0.6164 ppm	99.0261 %	101.3233 %	93.5705 %	108.7127 %	112.4297 %	109.7876 %
Concentration RSD	0.1 %	0.2 %	0.5 %	0.4 %	0.1 %	0.3 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574898-13D2 WG2146092
Analysis started at: 11/28/2025 7:30:42 AM
Comment <Comment>
Rack Number 1
Vial Numbers 8

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0020 ppm	64.7019 ppm	0.0798 ppm	0.0779 ppm	0.8574 ppm	0.0046 ppm	32.4947 ppm
Concentration per Run	0.0017 ppm	64.5719 ppm	0.0811 ppm	0.0787 ppm	0.8539 ppm	0.0047 ppm	32.4660 ppm
Concentration per Run	0.0026 ppm	64.6017 ppm	0.0790 ppm	0.0781 ppm	0.8561 ppm	0.0046 ppm	32.4338 ppm
Concentration per Run	0.0017 ppm	64.9320 ppm	0.0793 ppm	0.0768 ppm	0.8622 ppm	0.0046 ppm	32.5844 ppm
Concentration RSD	25.8 %	0.3 %	1.4 %	1.3 %	0.5 %	0.7 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0090 ppm	0.0884 ppm	0.0960 ppm	0.1724 ppm	151.3491 ppm	7.0142 ppm	0.1688 ppm
Concentration per Run	0.0090 ppm	0.0880 ppm	0.0957 ppm	0.1713 ppm	150.4846 ppm	6.9925 ppm	0.1675 ppm
Concentration per Run	0.0089 ppm	0.0885 ppm	0.0958 ppm	0.1729 ppm	151.4269 ppm	7.0142 ppm	0.1690 ppm
Concentration per Run	0.0090 ppm	0.0888 ppm	0.0966 ppm	0.1730 ppm	152.1358 ppm	7.0358 ppm	0.1698 ppm
Concentration RSD	0.7 %	0.5 %	0.5 %	0.6 %	0.5 %	0.3 %	0.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	24.4158 ppm	5.0167 ppm	0.0029 ppm	0.3282 ppm	0.1718 ppm	0.7465 ppm	0.0064 ppm
Concentration per Run	24.3913 ppm	5.0002 ppm	0.0026 ppm	0.3258 ppm	0.1703 ppm	0.7433 ppm	0.0042 ppm
Concentration per Run	24.4640 ppm	5.0110 ppm	0.0035 ppm	0.3232 ppm	0.1728 ppm	0.7497 ppm	0.0094 ppm
Concentration per Run	24.3921 ppm	5.0390 ppm	0.0028 ppm	0.3357 ppm	0.1723 ppm	0.7464 ppm	0.0056 ppm
Concentration RSD	0.2 %	0.4 %	15.7 %	2.0 %	0.7 %	0.4 %	42.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0058 ppm	3.7406 ppm	0.0298 ppm	0.0790 ppm	0.2616 ppm	0.0003 ppm	0.0910 ppm
Concentration per Run	0.0023 ppm	3.7326 ppm	0.0299 ppm	0.0785 ppm	0.2617 ppm	0.0014 ppm	0.0906 ppm
Concentration per Run	0.0065 ppm	3.7437 ppm	0.0294 ppm	0.0790 ppm	0.2623 ppm	-0.0005 ppm	0.0911 ppm
Concentration per Run	0.0087 ppm	3.7457 ppm	0.0301 ppm	0.0795 ppm	0.2608 ppm	0.0000 ppm	0.0914 ppm
Concentration RSD	56.1 %	0.2 %	1.3 %	0.6 %	0.3 %	329.1 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.8695 ppm	100.2850 %	102.1304 %	95.4886 %	109.4413 %	112.3832 %	110.6351 %
Concentration per Run	0.8644 ppm	100.7185 %	102.3832 %	95.5026 %	109.5976 %	112.3975 %	110.6485 %
Concentration per Run	0.8709 ppm	100.1427 %	101.9831 %	95.3936 %	109.5465 %	111.9111 %	110.6417 %
Concentration per Run	0.8732 ppm	99.9938 %	102.0249 %	95.5695 %	109.1796 %	112.8409 %	110.6151 %
Concentration RSD	0.5 %	0.4 %	0.2 %	0.1 %	0.2 %	0.4 %	0.0 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2146092-3D2 WG2146092
Analysis started at: 11/28/2025 7:32:51 AM
Comment <Comment>
Rack Number 1
Vial Numbers 9

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0531 ppm	71.6964 ppm	0.1866 ppm	1.0115 ppm	2.9581 ppm	0.0579 ppm	52.4879 ppm
Concentration per Run	0.0530 ppm	71.5495 ppm	0.1857 ppm	1.0119 ppm	2.9436 ppm	0.0577 ppm	52.4232 ppm
Concentration per Run	0.0533 ppm	72.1687 ppm	0.1878 ppm	1.0153 ppm	2.9831 ppm	0.0581 ppm	52.7997 ppm
Concentration per Run	0.0531 ppm	71.3710 ppm	0.1861 ppm	1.0073 ppm	2.9476 ppm	0.0578 ppm	52.2409 ppm
Concentration RSD	0.3 %	0.6 %	0.6 %	0.4 %	0.7 %	0.4 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0637 ppm	0.5970 ppm	0.3090 ppm	0.4500 ppm	161.8617 ppm	16.1993 ppm	0.1793 ppm
Concentration per Run	0.0638 ppm	0.5984 ppm	0.3101 ppm	0.4494 ppm	161.5818 ppm	16.1324 ppm	0.1776 ppm
Concentration per Run	0.0639 ppm	0.5981 ppm	0.3103 ppm	0.4518 ppm	162.2847 ppm	16.2952 ppm	0.1837 ppm
Concentration per Run	0.0635 ppm	0.5944 ppm	0.3064 ppm	0.4488 ppm	161.7185 ppm	16.1703 ppm	0.1766 ppm
Concentration RSD	0.3 %	0.4 %	0.7 %	0.4 %	0.2 %	0.5 %	2.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	36.2110 ppm	5.8660 ppm	0.9588 ppm	10.6611 ppm	0.6944 ppm	1.3079 ppm	0.2325 ppm
Concentration per Run	36.3068 ppm	5.8365 ppm	0.9605 ppm	10.6713 ppm	0.6970 ppm	1.3117 ppm	0.2344 ppm
Concentration per Run	36.1992 ppm	5.8912 ppm	0.9605 ppm	10.7431 ppm	0.6937 ppm	1.3100 ppm	0.2280 ppm
Concentration per Run	36.1271 ppm	5.8702 ppm	0.9553 ppm	10.5688 ppm	0.6925 ppm	1.3021 ppm	0.2349 ppm
Concentration RSD	0.2 %	0.5 %	0.3 %	0.8 %	0.3 %	0.4 %	1.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1233 ppm	12.8028 ppm	0.7919 ppm	1.0593 ppm	0.9519 ppm	0.1156 ppm	0.6285 ppm
Concentration per Run	0.1203 ppm	12.8072 ppm	0.7935 ppm	1.0542 ppm	0.9470 ppm	0.1135 ppm	0.6295 ppm
Concentration per Run	0.1267 ppm	12.8437 ppm	0.7911 ppm	1.0699 ppm	0.9550 ppm	0.1172 ppm	0.6305 ppm
Concentration per Run	0.1230 ppm	12.7576 ppm	0.7910 ppm	1.0539 ppm	0.9537 ppm	0.1161 ppm	0.6255 ppm
Concentration RSD	2.6 %	0.3 %	0.2 %	0.9 %	0.5 %	1.7 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.4358 ppm	98.1368 %	101.6075 %	92.6424 %	108.1288 %	112.5765 %	108.9303 %
Concentration per Run	1.4470 ppm	97.1720 %	101.9829 %	92.1745 %	106.9397 %	112.4301 %	108.2493 %
Concentration per Run	1.4359 ppm	98.5188 %	101.6374 %	92.2606 %	108.6599 %	113.1522 %	108.6673 %
Concentration per Run	1.4247 ppm	98.7196 %	101.2023 %	93.4920 %	108.7868 %	112.1471 %	109.8743 %
Concentration RSD	0.8 %	0.9 %	0.4 %	0.8 %	1.0 %	0.5 %	0.8 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2146092-4D2 WG2146092
Analysis started at: 11/28/2025 7:35:00 AM
Comment <Comment>
Rack Number 1
Vial Numbers 10

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0532 ppm	72.1277 ppm	0.1880 ppm	1.0089 ppm	2.9416 ppm	0.0575 ppm	72.6919 ppm
Concentration per Run	0.0537 ppm	72.0662 ppm	0.1883 ppm	1.0073 ppm	2.9381 ppm	0.0574 ppm	72.6576 ppm
Concentration per Run	0.0528 ppm	72.5617 ppm	0.1893 ppm	1.0097 ppm	2.9610 ppm	0.0577 ppm	73.1789 ppm
Concentration per Run	0.0531 ppm	71.7553 ppm	0.1864 ppm	1.0098 ppm	2.9258 ppm	0.0573 ppm	72.2393 ppm
Concentration RSD	0.9 %	0.6 %	0.8 %	0.1 %	0.6 %	0.4 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0630 ppm	0.5900 ppm	0.3160 ppm	0.4491 ppm	159.9891 ppm	16.3612 ppm	0.1828 ppm
Concentration per Run	0.0632 ppm	0.5907 ppm	0.3166 ppm	0.4513 ppm	159.6567 ppm	16.3328 ppm	0.1835 ppm
Concentration per Run	0.0632 ppm	0.5900 ppm	0.3159 ppm	0.4496 ppm	160.9348 ppm	16.4943 ppm	0.1834 ppm
Concentration per Run	0.0628 ppm	0.5892 ppm	0.3155 ppm	0.4464 ppm	159.3758 ppm	16.2565 ppm	0.1813 ppm
Concentration RSD	0.4 %	0.1 %	0.2 %	0.6 %	0.5 %	0.7 %	0.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	36.1581 ppm	5.7912 ppm	0.9501 ppm	10.6832 ppm	0.7442 ppm	1.3003 ppm	0.2253 ppm
Concentration per Run	36.1841 ppm	5.7997 ppm	0.9523 ppm	10.6954 ppm	0.7454 ppm	1.2972 ppm	0.2311 ppm
Concentration per Run	36.0562 ppm	5.8224 ppm	0.9499 ppm	10.8008 ppm	0.7448 ppm	1.3008 ppm	0.2220 ppm
Concentration per Run	36.2338 ppm	5.7516 ppm	0.9483 ppm	10.5535 ppm	0.7425 ppm	1.3030 ppm	0.2227 ppm
Concentration RSD	0.3 %	0.6 %	0.2 %	1.2 %	0.2 %	0.2 %	2.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1202 ppm	11.9058 ppm	0.7811 ppm	1.0879 ppm	0.9277 ppm	0.1164 ppm	0.6241 ppm
Concentration per Run	0.1204 ppm	11.9742 ppm	0.7792 ppm	1.0896 ppm	0.9240 ppm	0.1150 ppm	0.6283 ppm
Concentration per Run	0.1200 ppm	11.9036 ppm	0.7802 ppm	1.0947 ppm	0.9332 ppm	0.1162 ppm	0.6240 ppm
Concentration per Run	0.1200 ppm	11.8396 ppm	0.7839 ppm	1.0793 ppm	0.9259 ppm	0.1180 ppm	0.6201 ppm
Concentration RSD	0.2 %	0.6 %	0.3 %	0.7 %	0.5 %	1.3 %	0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.4299 ppm	98.3971 %	100.8589 %	92.3275 %	108.0898 %	112.1073 %	108.6365 %
Concentration per Run	1.4335 ppm	98.4172 %	101.8385 %	92.0608 %	108.4402 %	113.0693 %	108.0601 %
Concentration per Run	1.4249 ppm	97.9584 %	99.9606 %	92.3603 %	107.7644 %	112.1809 %	108.7185 %
Concentration per Run	1.4314 ppm	98.8158 %	100.7777 %	92.5615 %	108.0648 %	111.0718 %	109.1309 %
Concentration RSD	0.3 %	0.4 %	0.9 %	0.3 %	0.3 %	0.9 %	0.5 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2146092-5D2 WG2146092
Analysis started at: 11/28/2025 7:37:09 AM
Comment <Comment>
Rack Number 1
Vial Numbers 11

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0484 ppm	65.0394 ppm	0.1845 ppm	1.0767 ppm	2.6853 ppm	0.0517 ppm	41.8877 ppm
Concentration per Run	0.0485 ppm	65.1653 ppm	0.1838 ppm	1.0729 ppm	2.6862 ppm	0.0518 ppm	42.0486 ppm
Concentration per Run	0.0481 ppm	65.3204 ppm	0.1855 ppm	1.0759 ppm	2.6997 ppm	0.0518 ppm	42.0249 ppm
Concentration per Run	0.0486 ppm	64.6325 ppm	0.1841 ppm	1.0815 ppm	2.6699 ppm	0.0514 ppm	41.5895 ppm
Concentration RSD	0.6 %	0.6 %	0.5 %	0.4 %	0.6 %	0.4 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0610 ppm	0.5393 ppm	0.2817 ppm	0.4102 ppm	148.4154 ppm	17.2004 ppm	0.1619 ppm
Concentration per Run	0.0609 ppm	0.5393 ppm	0.2795 ppm	0.4089 ppm	148.5577 ppm	17.2456 ppm	0.1652 ppm
Concentration per Run	0.0610 ppm	0.5387 ppm	0.2817 ppm	0.4115 ppm	149.2381 ppm	17.2754 ppm	0.1648 ppm
Concentration per Run	0.0612 ppm	0.5398 ppm	0.2837 ppm	0.4101 ppm	147.4504 ppm	17.0803 ppm	0.1557 ppm
Concentration RSD	0.3 %	0.1 %	0.7 %	0.3 %	0.6 %	0.6 %	3.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	33.9374 ppm	5.3295 ppm	1.0024 ppm	10.7028 ppm	0.6281 ppm	1.2669 ppm	0.4911 ppm
Concentration per Run	33.8943 ppm	5.3313 ppm	1.0039 ppm	10.7331 ppm	0.6271 ppm	1.2638 ppm	0.4929 ppm
Concentration per Run	33.9505 ppm	5.3516 ppm	1.0002 ppm	10.8316 ppm	0.6258 ppm	1.2684 ppm	0.4905 ppm
Concentration per Run	33.9674 ppm	5.3056 ppm	1.0031 ppm	10.5436 ppm	0.6313 ppm	1.2684 ppm	0.4900 ppm
Concentration RSD	0.1 %	0.4 %	0.2 %	1.4 %	0.5 %	0.2 %	0.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1227 ppm	4.9545 ppm	1.0146 [SIC 50]	1.0478 ppm	1.2624 ppm	0.1178 ppm	0.5700 ppm
Concentration per Run	0.1260 ppm	4.9539 ppm	1.0112 ppm	1.0474 ppm	1.2652 ppm	0.1175 ppm	0.5693 ppm
Concentration per Run	0.1226 ppm	4.9561 ppm	1.0140 ppm	1.0561 ppm	1.2610 ppm	0.1171 ppm	0.5695 ppm
Concentration per Run	0.1197 ppm	4.9534 ppm	1.0185 ppm	1.0399 ppm	1.2611 ppm	0.1188 ppm	0.5711 ppm
Concentration RSD	2.6 %	0.0 %	0.4 %	0.8 %	0.2 %	0.8 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.3282 ppm	98.3799 %	101.1678 %	93.1952 %	107.2177 %	110.9516 %	108.3497 %
Concentration per Run	1.3244 ppm	98.3913 %	101.2597 %	93.6553 %	107.2134 %	111.6432 %	108.7889 %
Concentration per Run	1.3295 ppm	98.8121 %	100.9494 %	92.8034 %	107.5925 %	111.1127 %	107.7159 %
Concentration per Run	1.3308 ppm	97.9365 %	101.2944 %	93.1269 %	106.8472 %	110.0989 %	108.5443 %
Concentration RSD	0.3 %	0.4 %	0.2 %	0.5 %	0.3 %	0.7 %	0.5 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2146092-6D10 WG2146092
Analysis started at: 11/28/2025 7:39:18 AM
Comment <Comment>
Rack Number 1
Vial Numbers 12

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0004 ppm	12.4682 ppm	0.0152 ppm	0.0180 ppm	0.1646 ppm	0.0009 ppm	6.2513 ppm
Concentration per Run	0.0005 ppm	12.5429 ppm	0.0146 ppm	0.0186 ppm	0.1664 ppm	0.0009 ppm	6.2970 ppm
Concentration per Run	0.0003 ppm	12.3596 ppm	0.0157 ppm	0.0182 ppm	0.1627 ppm	0.0009 ppm	6.1936 ppm
Concentration per Run	0.0005 ppm	12.5021 ppm	0.0154 ppm	0.0173 ppm	0.1647 ppm	0.0009 ppm	6.2634 ppm
Concentration RSD	27.2 %	0.8 %	3.8 %	3.6 %	1.1 %	0.3 %	0.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0018 ppm	0.0179 ppm	0.0188 ppm	0.0331 ppm	29.7142 ppm	1.3287 ppm	0.0323 ppm
Concentration per Run	0.0018 ppm	0.0178 ppm	0.0185 ppm	0.0331 ppm	30.0170 ppm	1.3498 ppm	0.0341 ppm
Concentration per Run	0.0017 ppm	0.0186 ppm	0.0189 ppm	0.0334 ppm	29.3615 ppm	1.3133 ppm	0.0300 ppm
Concentration per Run	0.0017 ppm	0.0174 ppm	0.0190 ppm	0.0329 ppm	29.7641 ppm	1.3231 ppm	0.0330 ppm
Concentration RSD	3.9 %	3.5 %	1.3 %	0.8 %	1.1 %	1.4 %	6.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	4.9387 ppm	0.9788 ppm	0.0008 ppm	0.0562 ppm	0.0349 ppm	0.1450 ppm	0.0032 ppm
Concentration per Run	4.9456 ppm	0.9864 ppm	0.0007 ppm	0.0663 ppm	0.0345 ppm	0.1446 ppm	0.0038 ppm
Concentration per Run	4.9444 ppm	0.9692 ppm	0.0007 ppm	0.0492 ppm	0.0353 ppm	0.1451 ppm	0.0017 ppm
Concentration per Run	4.9261 ppm	0.9807 ppm	0.0010 ppm	0.0532 ppm	0.0349 ppm	0.1454 ppm	0.0040 ppm
Concentration RSD	0.2 %	0.9 %	21.3 %	15.8 %	1.3 %	0.3 %	39.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0033 ppm	0.7545 ppm	0.0069 ppm	0.0151 ppm	0.0507 ppm	0.0014 ppm	0.0175 ppm
Concentration per Run	0.0036 ppm	0.7513 ppm	0.0075 ppm	0.0151 ppm	0.0507 ppm	0.0015 ppm	0.0175 ppm
Concentration per Run	0.0035 ppm	0.7624 ppm	0.0064 ppm	0.0149 ppm	0.0508 ppm	0.0009 ppm	0.0177 ppm
Concentration per Run	0.0028 ppm	0.7499 ppm	0.0067 ppm	0.0152 ppm	0.0505 ppm	0.0020 ppm	0.0174 ppm
Concentration RSD	12.9 %	0.9 %	8.6 %	1.0 %	0.3 %	39.1 %	0.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1731 ppm	102.3242 %	103.2704 %	101.3196 %	103.1122 %	103.7067 %	103.5717 %
Concentration per Run	0.1722 ppm	102.3947 %	102.1840 %	101.8727 %	102.8673 %	103.1476 %	104.3847 %
Concentration per Run	0.1741 ppm	102.2973 %	104.9098 %	101.0779 %	103.1925 %	104.6107 %	103.1973 %
Concentration per Run	0.1730 ppm	102.2808 %	102.7173 %	101.0081 %	103.2766 %	103.3618 %	103.1331 %
Concentration RSD	0.6 %	0.1 %	1.4 %	0.5 %	0.2 %	0.8 %	0.7 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: CCV
Analysis started at: 11/28/2025 7:41:27 AM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5026 ppm	0.4804 ppm	0.4798 ppm	0.4915 ppm	0.4989 ppm	0.5056 ppm	0.4935 ppm
Concentration per Run	0.5045 ppm	0.4937 ppm	0.4823 ppm	0.4893 ppm	0.5010 ppm	0.5076 ppm	0.4946 ppm
Concentration per Run	0.5010 ppm	0.4609 ppm	0.4811 ppm	0.4919 ppm	0.4964 ppm	0.5061 ppm	0.4944 ppm
Concentration per Run	0.5024 ppm	0.4867 ppm	0.4761 ppm	0.4934 ppm	0.4992 ppm	0.5030 ppm	0.4915 ppm
Recovery Percentage	100.526 %	96.090 %	95.960 %	98.304 %	99.770 %	101.114 %	98.700 %
Concentration RSD	0.3 %	3.6 %	0.7 %	0.4 %	0.5 %	0.5 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5119 ppm	0.5123 ppm	0.5080 ppm	0.5162 ppm	0.4982 ppm	5.1321 ppm	0.5258 ppm
Concentration per Run	0.5127 ppm	0.5128 ppm	0.5103 ppm	0.5178 ppm	0.5032 ppm	5.1547 ppm	0.5321 ppm
Concentration per Run	0.5112 ppm	0.5114 ppm	0.5070 ppm	0.5143 ppm	0.4948 ppm	5.1225 ppm	0.5156 ppm
Concentration per Run	0.5117 ppm	0.5128 ppm	0.5069 ppm	0.5166 ppm	0.4965 ppm	5.1191 ppm	0.5296 ppm
Recovery Percentage	102.379 %	102.462 %	101.607 %	103.243 %	99.637 %	102.642 %	105.154 %
Concentration RSD	0.1 %	0.2 %	0.4 %	0.3 %	0.9 %	0.4 %	1.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5045 ppm	0.5068 ppm	0.4895 ppm	10.1067 ppm	0.5123 ppm	0.4959 ppm	0.5084 ppm
Concentration per Run	0.5038 ppm	0.5094 ppm	0.4895 ppm	10.1782 ppm	0.5128 ppm	0.4954 ppm	0.5088 ppm
Concentration per Run	0.5044 ppm	0.5056 ppm	0.4895 ppm	10.0786 ppm	0.5111 ppm	0.4956 ppm	0.5119 ppm
Concentration per Run	0.5053 ppm	0.5053 ppm	0.4894 ppm	10.0634 ppm	0.5129 ppm	0.4968 ppm	0.5044 ppm
Recovery Percentage	100.898 %	101.356 %	97.893 %	101.067 %	102.453 %	99.188 %	101.674 %
Concentration RSD	0.2 %	0.4 %	0.0 %	0.6 %	0.2 %	0.2 %	0.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4809 ppm	5.3795 ppm	0.4974 ppm	0.4932 ppm	0.4981 ppm	0.5052 ppm	0.5081 ppm
Concentration per Run	0.4840 ppm	5.3697 ppm	0.4981 ppm	0.4953 ppm	0.4988 ppm	0.5049 ppm	0.5082 ppm
Concentration per Run	0.4791 ppm	5.3668 ppm	0.4971 ppm	0.4913 ppm	0.4982 ppm	0.5080 ppm	0.5075 ppm
Concentration per Run	0.4795 ppm	5.4021 ppm	0.4971 ppm	0.4928 ppm	0.4972 ppm	0.5026 ppm	0.5087 ppm
Recovery Percentage	96.172 %	102.467 %	99.490 %	98.632 %	99.618 %	101.035 %	101.625 %
Concentration RSD	0.6 %	0.4 %	0.1 %	0.4 %	0.2 %	0.5 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5091 ppm	100.7774 %	99.7943 %	99.6919 %	98.5827 %	97.9315 %	98.4687 %
Concentration per Run	0.5094 ppm	100.6120 %	99.8326 %	99.9279 %	98.2812 %	98.5214 %	98.6720 %
Concentration per Run	0.5074 ppm	101.1362 %	99.6209 %	99.7417 %	98.6846 %	97.4226 %	98.6098 %
Concentration per Run	0.5104 ppm	100.5838 %	99.9294 %	99.4063 %	98.7822 %	97.8505 %	98.1242 %
Recovery Percentage	101.813 %						
Concentration RSD	0.3 %	0.3 %	0.2 %	0.3 %	0.3 %	0.6 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: CCB
Analysis started at: 11/28/2025 7:43:36 AM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	0.0037 ppm	0.0003 ppm	0.0022 ppm	0.0001 ppm	0.0000 ppm	0.0010 ppm
Concentration per Run	-0.0002 ppm	0.0142 ppm	0.0008 ppm	0.0020 ppm	0.0003 ppm	0.0000 ppm	0.0019 ppm
Concentration per Run	0.0004 ppm	0.0072 ppm	-0.0009 ppm	0.0035 ppm	0.0001 ppm	0.0000 ppm	-0.0015 ppm
Concentration per Run	0.0000 ppm	-0.0101 ppm	0.0011 ppm	0.0012 ppm	0.0001 ppm	0.0000 ppm	0.0026 ppm
Recovery Percentage	1.124 %	3.748 %	6.474 %	7.475 %	1.366 %	0.333 %	1.003 %
Concentration RSD	391.4 %	334.4 %	334.7 %	53.4 %	80.9 %	286.6 %	216.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0002 ppm	-0.0004 ppm	0.0014 ppm	-0.0238 ppm	0.0029 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0009 ppm	-0.0004 ppm	-0.0001 ppm	-0.0112 ppm	0.0005 ppm
Concentration per Run	0.0000 ppm	0.0004 ppm	-0.0004 ppm	0.0000 ppm	0.0025 ppm	-0.0175 ppm	0.0045 ppm
Concentration per Run	0.0000 ppm	-0.0007 ppm	0.0002 ppm	-0.0007 ppm	0.0017 ppm	-0.0428 ppm	0.0037 ppm
Recovery Percentage	-0.218 %	-0.565 %	2.293 %	-3.596 %	2.773 %	-0.952 %	58.041 %
Concentration RSD	303.9 %	457.6 %	279.2 %	105.8 %	95.9 %	70.2 %	73.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0005 ppm	0.0000 ppm	0.0000 ppm	-0.0062 ppm	-0.0005 ppm	-0.0018 ppm	0.0017 ppm
Concentration per Run	-0.0013 ppm	0.0000 ppm	-0.0006 ppm	-0.0104 ppm	-0.0006 ppm	-0.0016 ppm	-0.0017 ppm
Concentration per Run	0.0014 ppm	-0.0001 ppm	0.0001 ppm	-0.0073 ppm	-0.0002 ppm	-0.0020 ppm	0.0015 ppm
Concentration per Run	0.0015 ppm	0.0000 ppm	0.0003 ppm	-0.0009 ppm	-0.0008 ppm	-0.0018 ppm	0.0053 ppm
Recovery Percentage	0.514 %	-0.446 %	-0.090 %	-0.310 %	-2.078 %	-18.015 %	3.383 %
Concentration RSD	311.0 %	61.9 %	1,012.5 %	78.4 %	50.5 %	13.6 %	206.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0003 ppm	0.0108 ppm	0.0012 ppm	0.0001 ppm	-0.0001 ppm	0.0011 ppm	-0.0001 ppm
Concentration per Run	0.0015 ppm	0.0104 ppm	0.0012 ppm	0.0001 ppm	0.0002 ppm	0.0021 ppm	-0.0001 ppm
Concentration per Run	-0.0035 ppm	0.0099 ppm	0.0009 ppm	0.0001 ppm	-0.0001 ppm	0.0002 ppm	0.0000 ppm
Concentration per Run	0.0030 ppm	0.0120 ppm	0.0016 ppm	0.0001 ppm	-0.0003 ppm	0.0010 ppm	-0.0002 ppm
Recovery Percentage	3.353 %	2.154 %	2.410 %	0.928 %	-0.726 %	5.473 %	-1.077 %
Concentration RSD	1,021.5 %	10.2 %	30.5 %	7.3 %	367.6 %	88.3 %	124.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	97.3623 %	97.6603 %	98.7933 %	97.8127 %	97.5091 %	98.7024 %
Concentration per Run	0.0004 ppm	97.7163 %	97.4198 %	98.6760 %	97.9196 %	97.2610 %	98.6636 %
Concentration per Run	0.0000 ppm	97.0532 %	97.2972 %	98.9731 %	97.2605 %	97.3783 %	98.9572 %
Concentration per Run	0.0002 ppm	97.3176 %	98.2641 %	98.7307 %	98.2580 %	97.8881 %	98.4864 %
Recovery Percentage	3.870 %						
Concentration RSD	87.5 %	0.3 %	0.5 %	0.2 %	0.5 %	0.3 %	0.2 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574897-04D2 WG2146092
Analysis started at: 11/28/2025 7:46:01 AM
Comment <Comment>
Rack Number 1
Vial Numbers 21

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0011 ppm	60.6630 ppm	0.0515 ppm	0.0271 ppm	0.8788 ppm	0.0034 ppm	221.8069 ppm
Concentration per Run	0.0013 ppm	60.9357 ppm	0.0514 ppm	0.0280 ppm	0.8822 ppm	0.0034 ppm	222.8015 ppm
Concentration per Run	0.0002 ppm	60.3313 ppm	0.0509 ppm	0.0270 ppm	0.8750 ppm	0.0034 ppm	220.6965 ppm
Concentration per Run	0.0017 ppm	60.7220 ppm	0.0523 ppm	0.0263 ppm	0.8791 ppm	0.0034 ppm	221.9227 ppm
Concentration RSD	69.1 %	0.5 %	1.3 %	3.1 %	0.4 %	0.3 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0024 ppm	0.0654 ppm	0.0988 ppm	0.1661 ppm	152.2746 ppm	5.0780 ppm	0.1531 ppm
Concentration per Run	0.0022 ppm	0.0641 ppm	0.0975 ppm	0.1644 ppm	153.0459 ppm	5.1107 ppm	0.1545 ppm
Concentration per Run	0.0025 ppm	0.0665 ppm	0.1000 ppm	0.1666 ppm	151.4986 ppm	5.0510 ppm	0.1501 ppm
Concentration per Run	0.0026 ppm	0.0655 ppm	0.0990 ppm	0.1672 ppm	152.2792 ppm	5.0723 ppm	0.1547 ppm
Concentration RSD	7.1 %	1.8 %	1.2 %	0.9 %	0.5 %	0.6 %	1.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	38.9648 ppm	6.0154 ppm	0.0007 ppm	0.6471 ppm	0.1411 ppm	0.2184 ppm	0.0013 ppm
Concentration per Run	38.6496 ppm	6.0357 ppm	0.0006 ppm	0.6433 ppm	0.1394 ppm	0.2193 ppm	0.0022 ppm
Concentration per Run	39.1221 ppm	5.9974 ppm	0.0009 ppm	0.6472 ppm	0.1415 ppm	0.2181 ppm	-0.0016 ppm
Concentration per Run	39.1227 ppm	6.0131 ppm	0.0006 ppm	0.6507 ppm	0.1422 ppm	0.2179 ppm	0.0034 ppm
Concentration RSD	0.7 %	0.3 %	24.5 %	0.6 %	1.0 %	0.3 %	200.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0017 ppm	3.2437 ppm	0.0095 ppm	0.2804 ppm	0.3276 ppm	-0.0015 ppm	0.0920 ppm
Concentration per Run	0.0048 ppm	3.2080 ppm	0.0100 ppm	0.2812 ppm	0.3260 ppm	-0.0005 ppm	0.0904 ppm
Concentration per Run	-0.0023 ppm	3.2650 ppm	0.0101 ppm	0.2799 ppm	0.3279 ppm	-0.0009 ppm	0.0929 ppm
Concentration per Run	0.0025 ppm	3.2582 ppm	0.0086 ppm	0.2801 ppm	0.3287 ppm	-0.0030 ppm	0.0928 ppm
Concentration RSD	218.1 %	1.0 %	8.9 %	0.3 %	0.4 %	89.8 %	1.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5893 ppm	96.9499 %	100.0117 %	89.8778 %	106.4241 %	111.0487 %	106.7629 %
Concentration per Run	0.5820 ppm	98.0607 %	99.5450 %	89.9443 %	107.2704 %	110.9839 %	106.7955 %
Concentration per Run	0.5945 ppm	96.4905 %	100.0611 %	90.4916 %	105.9865 %	110.6063 %	107.7558 %
Concentration per Run	0.5914 ppm	96.2986 %	100.4292 %	89.1975 %	106.0153 %	111.5559 %	105.7373 %
Concentration RSD	1.1 %	1.0 %	0.4 %	0.7 %	0.7 %	0.4 %	0.9 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574897-05D2 WG2146092
Analysis started at: 11/28/2025 7:48:10 AM
Comment <Comment>
Rack Number 1
Vial Numbers 22

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0013 ppm	57.1678 ppm	0.0563 ppm	0.0317 ppm	0.8112 ppm	0.0029 ppm	138.7591 ppm
Concentration per Run	0.0009 ppm	57.4649 ppm	0.0566 ppm	0.0323 ppm	0.8139 ppm	0.0029 ppm	139.6953 ppm
Concentration per Run	0.0019 ppm	56.8050 ppm	0.0544 ppm	0.0310 ppm	0.8063 ppm	0.0028 ppm	137.7247 ppm
Concentration per Run	0.0010 ppm	57.2336 ppm	0.0580 ppm	0.0320 ppm	0.8133 ppm	0.0029 ppm	138.8572 ppm
Concentration RSD	42.3 %	0.6 %	3.2 %	2.1 %	0.5 %	0.8 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0016 ppm	0.0612 ppm	0.0987 ppm	0.1522 ppm	141.0001 ppm	5.6823 ppm	0.1456 ppm
Concentration per Run	0.0017 ppm	0.0605 ppm	0.0977 ppm	0.1520 ppm	141.8979 ppm	5.7179 ppm	0.1468 ppm
Concentration per Run	0.0018 ppm	0.0608 ppm	0.0987 ppm	0.1515 ppm	140.0215 ppm	5.6588 ppm	0.1415 ppm
Concentration per Run	0.0015 ppm	0.0622 ppm	0.0997 ppm	0.1530 ppm	141.0808 ppm	5.6703 ppm	0.1485 ppm
Concentration RSD	9.7 %	1.5 %	1.0 %	0.5 %	0.7 %	0.6 %	2.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	39.8718 ppm	5.4979 ppm	0.0024 ppm	0.4330 ppm	0.1389 ppm	0.1228 ppm	-0.0007 ppm
Concentration per Run	39.7291 ppm	5.5205 ppm	0.0024 ppm	0.4307 ppm	0.1390 ppm	0.1227 ppm	-0.0015 ppm
Concentration per Run	39.9104 ppm	5.4744 ppm	0.0020 ppm	0.4357 ppm	0.1392 ppm	0.1218 ppm	0.0007 ppm
Concentration per Run	39.9758 ppm	5.4987 ppm	0.0029 ppm	0.4325 ppm	0.1386 ppm	0.1238 ppm	-0.0013 ppm
Concentration RSD	0.3 %	0.4 %	17.1 %	0.6 %	0.2 %	0.8 %	173.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0012 ppm	3.0231 ppm	0.0097 ppm	0.2025 ppm	0.2624 ppm	-0.0005 ppm	0.0874 ppm
Concentration per Run	-0.0037 ppm	3.0086 ppm	0.0086 ppm	0.2035 ppm	0.2616 ppm	0.0005 ppm	0.0869 ppm
Concentration per Run	0.0048 ppm	3.0247 ppm	0.0105 ppm	0.2010 ppm	0.2628 ppm	-0.0022 ppm	0.0869 ppm
Concentration per Run	0.0026 ppm	3.0360 ppm	0.0101 ppm	0.2030 ppm	0.2628 ppm	0.0002 ppm	0.0883 ppm
Concentration RSD	358.8 %	0.5 %	10.4 %	0.7 %	0.3 %	304.2 %	0.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6158 ppm	97.7156 %	101.9338 %	92.2004 %	106.5544 %	112.0138 %	107.9157 %
Concentration per Run	0.6105 ppm	98.2959 %	101.6440 %	91.5472 %	106.9808 %	112.5571 %	107.3241 %
Concentration per Run	0.6162 ppm	97.6805 %	102.6682 %	93.3539 %	106.4936 %	111.9524 %	108.8445 %
Concentration per Run	0.6208 ppm	97.1703 %	101.4893 %	91.7001 %	106.1887 %	111.5318 %	107.5784 %
Concentration RSD	0.8 %	0.6 %	0.6 %	1.1 %	0.4 %	0.5 %	0.8 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2574897-06D2 WG2146092
Analysis started at: 11/28/2025 7:50:18 AM
Comment <Comment>
Rack Number 1
Vial Numbers 23

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0004 ppm	56.9916 ppm	0.0438 ppm	0.0227 ppm	0.6578 ppm	0.0028 ppm	202.5229 ppm
Concentration per Run	0.0005 ppm	57.0534 ppm	0.0440 ppm	0.0212 ppm	0.6561 ppm	0.0028 ppm	202.8099 ppm
Concentration per Run	0.0003 ppm	56.9914 ppm	0.0431 ppm	0.0238 ppm	0.6560 ppm	0.0027 ppm	202.3850 ppm
Concentration per Run	0.0005 ppm	56.9300 ppm	0.0444 ppm	0.0231 ppm	0.6613 ppm	0.0028 ppm	202.3737 ppm
Concentration RSD	26.8 %	0.1 %	1.5 %	6.1 %	0.5 %	1.5 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0016 ppm	0.0577 ppm	0.1025 ppm	0.1689 ppm	139.7439 ppm	4.5252 ppm	0.1461 ppm
Concentration per Run	0.0016 ppm	0.0579 ppm	0.1017 ppm	0.1680 ppm	139.7865 ppm	4.5628 ppm	0.1509 ppm
Concentration per Run	0.0015 ppm	0.0578 ppm	0.1029 ppm	0.1689 ppm	139.7249 ppm	4.4984 ppm	0.1419 ppm
Concentration per Run	0.0017 ppm	0.0575 ppm	0.1029 ppm	0.1697 ppm	139.7203 ppm	4.5142 ppm	0.1454 ppm
Concentration RSD	4.9 %	0.4 %	0.7 %	0.5 %	0.0 %	0.7 %	3.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	57.3488 ppm	5.1044 ppm	0.0009 ppm	0.6832 ppm	0.1343 ppm	0.1268 ppm	-0.0002 ppm
Concentration per Run	57.2532 ppm	5.1006 ppm	0.0008 ppm	0.6820 ppm	0.1334 ppm	0.1285 ppm	0.0017 ppm
Concentration per Run	57.1878 ppm	5.1008 ppm	0.0010 ppm	0.6812 ppm	0.1341 ppm	0.1265 ppm	-0.0018 ppm
Concentration per Run	57.6053 ppm	5.1120 ppm	0.0010 ppm	0.6865 ppm	0.1354 ppm	0.1252 ppm	-0.0005 ppm
Concentration RSD	0.4 %	0.1 %	9.5 %	0.4 %	0.8 %	1.3 %	838.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0025 ppm	3.2756 ppm	0.0083 ppm	0.2461 ppm	0.4034 ppm	-0.0006 ppm	0.1002 ppm
Concentration per Run	0.0000 ppm	3.2640 ppm	0.0070 ppm	0.2456 ppm	0.4031 ppm	-0.0005 ppm	0.0998 ppm
Concentration per Run	0.0025 ppm	3.2906 ppm	0.0083 ppm	0.2454 ppm	0.4033 ppm	-0.0003 ppm	0.1005 ppm
Concentration per Run	0.0050 ppm	3.2721 ppm	0.0097 ppm	0.2472 ppm	0.4037 ppm	-0.0010 ppm	0.1004 ppm
Concentration RSD	100.1 %	0.4 %	16.3 %	0.4 %	0.1 %	59.7 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5864 ppm	96.4257 %	100.9261 %	90.6272 %	108.3182 %	114.0374 %	109.5045 %
Concentration per Run	0.5839 ppm	96.7719 %	100.6851 %	90.4983 %	108.4896 %	114.3811 %	109.4696 %
Concentration per Run	0.5885 ppm	96.4126 %	100.6884 %	90.4038 %	108.4749 %	113.5414 %	109.0947 %
Concentration per Run	0.5868 ppm	96.0925 %	101.4050 %	90.9794 %	107.9900 %	114.1898 %	109.9492 %
Concentration RSD	0.4 %	0.4 %	0.4 %	0.3 %	0.3 %	0.4 %	0.4 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2574898-01D2 WG2146092
Analysis started at: 11/28/2025 7:52:27 AM
Comment <Comment>
Rack Number 1
Vial Numbers 24

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0011 ppm	63.8836 ppm	0.0531 ppm	0.0202 ppm	0.8624 ppm	0.0036 ppm	15.0975 ppm
Concentration per Run	0.0008 ppm	63.9654 ppm	0.0532 ppm	0.0184 ppm	0.8637 ppm	0.0037 ppm	15.1304 ppm
Concentration per Run	0.0012 ppm	63.5174 ppm	0.0519 ppm	0.0206 ppm	0.8586 ppm	0.0036 ppm	15.0076 ppm
Concentration per Run	0.0013 ppm	64.1681 ppm	0.0543 ppm	0.0215 ppm	0.8650 ppm	0.0036 ppm	15.1543 ppm
Concentration RSD	23.8 %	0.5 %	2.2 %	8.1 %	0.4 %	1.1 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0031 ppm	0.0727 ppm	0.0865 ppm	0.1251 ppm	145.6016 ppm	5.9333 ppm	0.1663 ppm
Concentration per Run	0.0031 ppm	0.0732 ppm	0.0868 ppm	0.1255 ppm	146.3575 ppm	6.0024 ppm	0.1677 ppm
Concentration per Run	0.0030 ppm	0.0725 ppm	0.0873 ppm	0.1254 ppm	144.7988 ppm	5.8890 ppm	0.1648 ppm
Concentration per Run	0.0031 ppm	0.0725 ppm	0.0854 ppm	0.1244 ppm	145.6486 ppm	5.9084 ppm	0.1663 ppm
Concentration RSD	1.4 %	0.6 %	1.1 %	0.5 %	0.5 %	1.0 %	0.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	21.0092 ppm	4.1574 ppm	0.0014 ppm	0.1813 ppm	0.1469 ppm	0.2956 ppm	0.0029 ppm
Concentration per Run	21.1717 ppm	4.1652 ppm	0.0014 ppm	0.1796 ppm	0.1487 ppm	0.2945 ppm	0.0000 ppm
Concentration per Run	20.9118 ppm	4.1295 ppm	0.0013 ppm	0.1806 ppm	0.1461 ppm	0.2956 ppm	0.0038 ppm
Concentration per Run	20.9440 ppm	4.1774 ppm	0.0015 ppm	0.1838 ppm	0.1460 ppm	0.2966 ppm	0.0049 ppm
Concentration RSD	0.7 %	0.6 %	7.7 %	1.2 %	1.1 %	0.4 %	89.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0029 ppm	2.7735 ppm	0.0160 ppm	0.0473 ppm	0.2167 ppm	0.0007 ppm	0.0880 ppm
Concentration per Run	0.0037 ppm	2.7896 ppm	0.0160 ppm	0.0476 ppm	0.2168 ppm	-0.0001 ppm	0.0887 ppm
Concentration per Run	0.0006 ppm	2.7955 ppm	0.0158 ppm	0.0471 ppm	0.2172 ppm	0.0013 ppm	0.0887 ppm
Concentration per Run	0.0042 ppm	2.7354 ppm	0.0162 ppm	0.0472 ppm	0.2162 ppm	0.0009 ppm	0.0865 ppm
Concentration RSD	67.8 %	1.2 %	1.3 %	0.5 %	0.2 %	106.1 %	1.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5612 ppm	100.4517 %	101.9182 %	96.4574 %	110.5039 %	113.4853 %	112.4608 %
Concentration per Run	0.5632 ppm	99.9873 %	101.0829 %	96.1221 %	110.0470 %	113.1839 %	112.0772 %
Concentration per Run	0.5642 ppm	100.0598 %	103.2957 %	96.9064 %	110.3066 %	114.3826 %	112.9281 %
Concentration per Run	0.5564 ppm	101.3079 %	101.3761 %	96.3437 %	111.1582 %	112.8893 %	112.3770 %
Concentration RSD	0.8 %	0.7 %	1.2 %	0.4 %	0.5 %	0.7 %	0.4 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2574898-02D2 WG2146092
Analysis started at: 11/28/2025 7:54:36 AM
Comment <Comment>
Rack Number 1
Vial Numbers 25

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0011 ppm	66.7081 ppm	0.0544 ppm	0.0170 ppm	0.9102 ppm	0.0038 ppm	14.7242 ppm
Concentration per Run	0.0012 ppm	66.5853 ppm	0.0550 ppm	0.0162 ppm	0.9103 ppm	0.0038 ppm	14.6902 ppm
Concentration per Run	0.0015 ppm	66.9786 ppm	0.0532 ppm	0.0167 ppm	0.9145 ppm	0.0038 ppm	14.7770 ppm
Concentration per Run	0.0007 ppm	66.5604 ppm	0.0549 ppm	0.0181 ppm	0.9058 ppm	0.0038 ppm	14.7053 ppm
Concentration RSD	35.2 %	0.4 %	1.8 %	5.9 %	0.5 %	0.2 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0032 ppm	0.0772 ppm	0.0913 ppm	0.1312 ppm	152.3618 ppm	5.1369 ppm	0.1714 ppm
Concentration per Run	0.0033 ppm	0.0768 ppm	0.0913 ppm	0.1310 ppm	152.3047 ppm	5.1445 ppm	0.1732 ppm
Concentration per Run	0.0032 ppm	0.0778 ppm	0.0923 ppm	0.1314 ppm	152.8287 ppm	5.1687 ppm	0.1739 ppm
Concentration per Run	0.0031 ppm	0.0769 ppm	0.0903 ppm	0.1311 ppm	151.9522 ppm	5.0976 ppm	0.1671 ppm
Concentration RSD	3.0 %	0.7 %	1.1 %	0.1 %	0.3 %	0.7 %	2.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	21.8986 ppm	4.5289 ppm	0.0013 ppm	0.2049 ppm	0.1559 ppm	0.3036 ppm	0.0008 ppm
Concentration per Run	21.8873 ppm	4.5155 ppm	0.0014 ppm	0.2056 ppm	0.1559 ppm	0.3055 ppm	0.0070 ppm
Concentration per Run	21.8763 ppm	4.5530 ppm	0.0011 ppm	0.2118 ppm	0.1553 ppm	0.3025 ppm	-0.0038 ppm
Concentration per Run	21.9323 ppm	4.5182 ppm	0.0014 ppm	0.1973 ppm	0.1567 ppm	0.3028 ppm	-0.0007 ppm
Concentration RSD	0.1 %	0.5 %	14.2 %	3.6 %	0.5 %	0.5 %	668.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0035 ppm	2.5944 ppm	0.0160 ppm	0.0465 ppm	0.2182 ppm	0.0003 ppm	0.0921 ppm
Concentration per Run	0.0053 ppm	2.6040 ppm	0.0171 ppm	0.0466 ppm	0.2180 ppm	-0.0003 ppm	0.0920 ppm
Concentration per Run	-0.0003 ppm	2.5999 ppm	0.0160 ppm	0.0468 ppm	0.2187 ppm	0.0004 ppm	0.0923 ppm
Concentration per Run	0.0054 ppm	2.5793 ppm	0.0150 ppm	0.0461 ppm	0.2179 ppm	0.0010 ppm	0.0920 ppm
Concentration RSD	94.1 %	0.5 %	6.4 %	0.8 %	0.2 %	184.8 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5850 ppm	100.7612 %	102.9693 %	96.2747 %	111.4144 %	114.8584 %	113.0512 %
Concentration per Run	0.5877 ppm	100.6947 %	103.4703 %	96.1308 %	110.8951 %	115.8686 %	113.0544 %
Concentration per Run	0.5859 ppm	100.3984 %	102.4577 %	96.2124 %	111.5270 %	114.3382 %	112.5158 %
Concentration per Run	0.5814 ppm	101.1904 %	102.9799 %	96.4810 %	111.8212 %	114.3684 %	113.5833 %
Concentration RSD	0.6 %	0.4 %	0.5 %	0.2 %	0.4 %	0.8 %	0.5 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574898-14D2 WG2146092
Analysis started at: 11/28/2025 7:56:45 AM
Comment <Comment>
Rack Number 1
Vial Numbers 13

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0021 ppm	73.4655 ppm	0.0846 ppm	0.0703 ppm	0.9446 ppm	0.0052 ppm	39.0507 ppm
Concentration per Run	0.0021 ppm	73.2858 ppm	0.0854 ppm	0.0705 ppm	0.9408 ppm	0.0052 ppm	38.8656 ppm
Concentration per Run	0.0024 ppm	73.3909 ppm	0.0853 ppm	0.0707 ppm	0.9428 ppm	0.0052 ppm	39.1541 ppm
Concentration per Run	0.0017 ppm	73.7198 ppm	0.0830 ppm	0.0697 ppm	0.9502 ppm	0.0052 ppm	39.1322 ppm
Concentration RSD	16.7 %	0.3 %	1.7 %	0.8 %	0.5 %	0.5 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0098 ppm	0.1000 ppm	0.1095 ppm	0.1927 ppm	168.5097 ppm	6.8730 ppm	0.1880 ppm
Concentration per Run	0.0097 ppm	0.0987 ppm	0.1097 ppm	0.1918 ppm	168.4163 ppm	6.8659 ppm	0.1845 ppm
Concentration per Run	0.0099 ppm	0.1009 ppm	0.1088 ppm	0.1930 ppm	168.0295 ppm	6.8555 ppm	0.1883 ppm
Concentration per Run	0.0098 ppm	0.1004 ppm	0.1100 ppm	0.1933 ppm	169.0834 ppm	6.8978 ppm	0.1911 ppm
Concentration RSD	0.7 %	1.1 %	0.6 %	0.4 %	0.3 %	0.3 %	1.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	27.9109 ppm	5.6467 ppm	0.0030 ppm	0.3362 ppm	0.1972 ppm	0.8063 ppm	0.0049 ppm
Concentration per Run	27.7796 ppm	5.6190 ppm	0.0030 ppm	0.3336 ppm	0.1965 ppm	0.8063 ppm	0.0057 ppm
Concentration per Run	27.8662 ppm	5.6446 ppm	0.0036 ppm	0.3387 ppm	0.1974 ppm	0.8052 ppm	0.0031 ppm
Concentration per Run	28.0870 ppm	5.6766 ppm	0.0025 ppm	0.3364 ppm	0.1977 ppm	0.8073 ppm	0.0060 ppm
Concentration RSD	0.6 %	0.5 %	17.9 %	0.8 %	0.3 %	0.1 %	31.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0048 ppm	4.8258 ppm	0.0328 ppm	0.0895 ppm	0.2734 ppm	0.0000 ppm	0.1028 ppm
Concentration per Run	0.0066 ppm	4.8137 ppm	0.0344 ppm	0.0894 ppm	0.2739 ppm	0.0003 ppm	0.1022 ppm
Concentration per Run	0.0035 ppm	4.8325 ppm	0.0307 ppm	0.0890 ppm	0.2727 ppm	-0.0001 ppm	0.1029 ppm
Concentration per Run	0.0043 ppm	4.8311 ppm	0.0332 ppm	0.0902 ppm	0.2734 ppm	-0.0004 ppm	0.1033 ppm
Concentration RSD	33.5 %	0.2 %	5.7 %	0.6 %	0.2 %	901.0 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.9766 ppm	99.4381 %	102.1642 %	94.3044 %	110.0083 %	113.6096 %	111.7860 %
Concentration per Run	0.9757 ppm	100.2972 %	102.5404 %	94.5109 %	110.5115 %	114.0303 %	111.9475 %
Concentration per Run	0.9758 ppm	99.2715 %	102.0447 %	94.5378 %	109.8277 %	113.4235 %	112.2869 %
Concentration per Run	0.9784 ppm	98.7457 %	101.9073 %	93.8644 %	109.6856 %	113.3749 %	111.1236 %
Concentration RSD	0.2 %	0.8 %	0.3 %	0.4 %	0.4 %	0.3 %	0.5 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2146092-7D2 WG2146092
Analysis started at: 11/28/2025 7:58:54 AM
Comment <Comment>
Rack Number 1
Vial Numbers 14

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0529 ppm	75.8074 ppm	0.1921 ppm	0.9937 ppm	2.9717 ppm	0.0574 ppm	47.9416 ppm
Concentration per Run	0.0527 ppm	76.1200 ppm	0.1892 ppm	0.9850 ppm	2.9819 ppm	0.0575 ppm	48.1717 ppm
Concentration per Run	0.0528 ppm	75.4431 ppm	0.1929 ppm	0.9969 ppm	2.9597 ppm	0.0573 ppm	47.7310 ppm
Concentration per Run	0.0533 ppm	75.8590 ppm	0.1942 ppm	0.9992 ppm	2.9736 ppm	0.0573 ppm	47.9222 ppm
Concentration RSD	0.6 %	0.5 %	1.3 %	0.8 %	0.4 %	0.2 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0634 ppm	0.5969 ppm	0.3124 ppm	0.4556 ppm	167.9224 ppm	15.8505 ppm	0.1891 ppm
Concentration per Run	0.0633 ppm	0.5956 ppm	0.3121 ppm	0.4554 ppm	168.3849 ppm	15.8780 ppm	0.1927 ppm
Concentration per Run	0.0636 ppm	0.5968 ppm	0.3127 ppm	0.4550 ppm	167.9448 ppm	15.8206 ppm	0.1865 ppm
Concentration per Run	0.0634 ppm	0.5983 ppm	0.3122 ppm	0.4565 ppm	167.4376 ppm	15.8527 ppm	0.1881 ppm
Concentration RSD	0.3 %	0.2 %	0.1 %	0.2 %	0.3 %	0.2 %	1.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	37.5087 ppm	6.0399 ppm	0.9474 ppm	10.5848 ppm	0.6984 ppm	1.3563 ppm	0.2139 ppm
Concentration per Run	37.3779 ppm	6.0432 ppm	0.9457 ppm	10.6731 ppm	0.6973 ppm	1.3564 ppm	0.2123 ppm
Concentration per Run	37.5721 ppm	6.0280 ppm	0.9456 ppm	10.5213 ppm	0.6973 ppm	1.3523 ppm	0.2103 ppm
Concentration per Run	37.5760 ppm	6.0485 ppm	0.9509 ppm	10.5601 ppm	0.7005 ppm	1.3602 ppm	0.2191 ppm
Concentration RSD	0.3 %	0.2 %	0.3 %	0.7 %	0.3 %	0.3 %	2.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1198 ppm	13.2798 ppm	0.7837 ppm	1.0325 ppm	0.9300 ppm	0.1170 ppm	0.6269 ppm
Concentration per Run	0.1180 ppm	13.2901 ppm	0.7783 ppm	1.0371 ppm	0.9238 ppm	0.1184 ppm	0.6277 ppm
Concentration per Run	0.1194 ppm	13.2496 ppm	0.7874 ppm	1.0279 ppm	0.9272 ppm	0.1161 ppm	0.6262 ppm
Concentration per Run	0.1221 ppm	13.2997 ppm	0.7853 ppm	1.0326 ppm	0.9390 ppm	0.1166 ppm	0.6267 ppm
Concentration RSD	1.8 %	0.2 %	0.6 %	0.4 %	0.9 %	1.0 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.4740 ppm	99.1095 %	101.8614 %	92.6556 %	109.2131 %	113.1160 %	110.0452 %
Concentration per Run	1.4676 ppm	99.4442 %	101.3743 %	92.8121 %	109.6222 %	113.1577 %	110.3289 %
Concentration per Run	1.4798 ppm	99.0248 %	102.1965 %	93.1210 %	109.0886 %	112.6548 %	110.4342 %
Concentration per Run	1.4748 ppm	98.8597 %	102.0133 %	92.0339 %	108.9285 %	113.5355 %	109.3726 %
Concentration RSD	0.4 %	0.3 %	0.4 %	0.6 %	0.3 %	0.4 %	0.5 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2146092-8D2 WG2146092
Analysis started at: 11/28/2025 8:01:03 AM
Comment <Comment>
Rack Number 1
Vial Numbers 15

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0530 ppm	76.7691 ppm	0.1859 ppm	0.9867 ppm	2.9785 ppm	0.0570 ppm	50.1754 ppm
Concentration per Run	0.0528 ppm	76.9983 ppm	0.1862 ppm	0.9852 ppm	2.9710 ppm	0.0573 ppm	50.3314 ppm
Concentration per Run	0.0534 ppm	76.4049 ppm	0.1861 ppm	0.9835 ppm	2.9713 ppm	0.0567 ppm	49.9124 ppm
Concentration per Run	0.0528 ppm	76.9041 ppm	0.1855 ppm	0.9914 ppm	2.9933 ppm	0.0570 ppm	50.2825 ppm
Concentration RSD	0.6 %	0.4 %	0.2 %	0.4 %	0.4 %	0.5 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0634 ppm	0.5967 ppm	0.3117 ppm	0.4624 ppm	167.5364 ppm	16.0563 ppm	0.1938 ppm
Concentration per Run	0.0633 ppm	0.5972 ppm	0.3118 ppm	0.4617 ppm	167.8518 ppm	16.0788 ppm	0.1932 ppm
Concentration per Run	0.0632 ppm	0.5944 ppm	0.3098 ppm	0.4602 ppm	166.6334 ppm	15.9747 ppm	0.1900 ppm
Concentration per Run	0.0637 ppm	0.5986 ppm	0.3134 ppm	0.4652 ppm	168.1238 ppm	16.1152 ppm	0.1981 ppm
Concentration RSD	0.5 %	0.4 %	0.6 %	0.6 %	0.5 %	0.5 %	2.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	37.8082 ppm	6.1760 ppm	0.9448 ppm	10.5868 ppm	0.6983 ppm	1.4105 ppm	0.2260 ppm
Concentration per Run	37.7777 ppm	6.2013 ppm	0.9429 ppm	10.5880 ppm	0.6973 ppm	1.4126 ppm	0.2236 ppm
Concentration per Run	37.7833 ppm	6.1436 ppm	0.9377 ppm	10.5356 ppm	0.6950 ppm	1.4054 ppm	0.2260 ppm
Concentration per Run	37.8638 ppm	6.1829 ppm	0.9539 ppm	10.6369 ppm	0.7027 ppm	1.4135 ppm	0.2285 ppm
Concentration RSD	0.1 %	0.5 %	0.9 %	0.5 %	0.6 %	0.3 %	1.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1188 ppm	10.4200 ppm	0.7479 ppm	1.0378 ppm	0.9356 ppm	0.1190 ppm	0.6269 ppm
Concentration per Run	0.1174 ppm	10.4228 ppm	0.7512 ppm	1.0353 ppm	0.9358 ppm	0.1203 ppm	0.6271 ppm
Concentration per Run	0.1192 ppm	10.3655 ppm	0.7422 ppm	1.0356 ppm	0.9328 ppm	0.1170 ppm	0.6232 ppm
Concentration per Run	0.1199 ppm	10.4718 ppm	0.7503 ppm	1.0424 ppm	0.9382 ppm	0.1197 ppm	0.6305 ppm
Concentration RSD	1.1 %	0.5 %	0.7 %	0.4 %	0.3 %	1.5 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.4884 ppm	99.2380 %	102.1162 %	92.9663 %	110.1770 %	114.1173 %	110.4206 %
Concentration per Run	1.4861 ppm	99.1026 %	101.0829 %	92.6346 %	110.1043 %	113.4040 %	110.3014 %
Concentration per Run	1.4830 ppm	99.6997 %	103.1987 %	93.5844 %	110.2333 %	114.4854 %	110.8858 %
Concentration per Run	1.4962 ppm	98.9118 %	102.0671 %	92.6799 %	110.1935 %	114.4625 %	110.0745 %
Concentration RSD	0.5 %	0.4 %	1.0 %	0.6 %	0.1 %	0.5 %	0.4 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2146092-9D2 WG2146092
Analysis started at: 11/28/2025 8:03:12 AM
Comment <Comment>
Rack Number 1
Vial Numbers 16

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0482 ppm	72.6615 ppm	0.1861 ppm	1.0635 ppm	2.7661 ppm	0.0520 ppm	47.6420 ppm
Concentration per Run	0.0475 ppm	73.0503 ppm	0.1855 ppm	1.0593 ppm	2.7857 ppm	0.0523 ppm	47.8581 ppm
Concentration per Run	0.0486 ppm	72.6528 ppm	0.1857 ppm	1.0726 ppm	2.7754 ppm	0.0522 ppm	47.6919 ppm
Concentration per Run	0.0484 ppm	72.2813 ppm	0.1872 ppm	1.0587 ppm	2.7373 ppm	0.0514 ppm	47.3760 ppm
Concentration RSD	1.3 %	0.5 %	0.5 %	0.7 %	0.9 %	0.9 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0611 ppm	0.5448 ppm	0.2899 ppm	0.4229 ppm	163.0762 ppm	17.0515 ppm	0.1829 ppm
Concentration per Run	0.0611 ppm	0.5430 ppm	0.2892 ppm	0.4219 ppm	163.6162 ppm	17.1688 ppm	0.1857 ppm
Concentration per Run	0.0616 ppm	0.5476 ppm	0.2924 ppm	0.4253 ppm	163.8550 ppm	17.1066 ppm	0.1842 ppm
Concentration per Run	0.0607 ppm	0.5439 ppm	0.2881 ppm	0.4216 ppm	161.7573 ppm	16.8790 ppm	0.1788 ppm
Concentration RSD	0.7 %	0.4 %	0.8 %	0.5 %	0.7 %	0.9 %	2.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	36.5767 ppm	5.8834 ppm	0.9991 ppm	10.7522 ppm	0.6439 ppm	1.2957 ppm	0.4894 ppm
Concentration per Run	36.5573 ppm	5.9136 ppm	0.9938 ppm	10.7733 ppm	0.6411 ppm	1.2987 ppm	0.4899 ppm
Concentration per Run	36.5562 ppm	5.8931 ppm	1.0048 ppm	10.7346 ppm	0.6458 ppm	1.2963 ppm	0.4923 ppm
Concentration per Run	36.6164 ppm	5.8436 ppm	0.9987 ppm	10.7488 ppm	0.6448 ppm	1.2920 ppm	0.4860 ppm
Concentration RSD	0.1 %	0.6 %	0.5 %	0.2 %	0.4 %	0.3 %	0.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1244 ppm	5.7737 ppm	1.0171 [SIC 50]	1.0627 ppm	1.2638 ppm	0.1169 ppm	0.5751 ppm
Concentration per Run	0.1248 ppm	5.7575 ppm	1.0118 ppm	1.0688 ppm	1.2636 ppm	0.1179 ppm	0.5743 ppm
Concentration per Run	0.1215 ppm	5.8145 ppm	1.0261 ppm	1.0665 ppm	1.2699 ppm	0.1143 ppm	0.5799 ppm
Concentration per Run	0.1269 ppm	5.7492 ppm	1.0134 ppm	1.0526 ppm	1.2579 ppm	0.1185 ppm	0.5712 ppm
Concentration RSD	2.2 %	0.6 %	0.8 %	0.8 %	0.5 %	1.9 %	0.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.4024 ppm	99.0753 %	101.5627 %	93.4269 %	108.7366 %	112.8675 %	109.9651 %
Concentration per Run	1.3973 ppm	99.2305 %	101.9235 %	92.4036 %	108.9496 %	113.7583 %	109.0871 %
Concentration per Run	1.4181 ppm	98.6581 %	101.0776 %	93.7245 %	108.3452 %	112.9409 %	110.1722 %
Concentration per Run	1.3920 ppm	99.3371 %	101.6869 %	94.1526 %	108.9151 %	111.9033 %	110.6358 %
Concentration RSD	1.0 %	0.4 %	0.4 %	1.0 %	0.3 %	0.8 %	0.7 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2146092-10D10 WG2146092
Analysis started at: 11/28/2025 8:05:22 AM
Comment <Comment>
Rack Number 1
Vial Numbers 17

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0004 ppm	14.1404 ppm	0.0171 ppm	0.0147 ppm	0.1811 ppm	0.0010 ppm	7.5128 ppm
Concentration per Run	0.0000 ppm	14.1958 ppm	0.0186 ppm	0.0157 ppm	0.1821 ppm	0.0010 ppm	7.5477 ppm
Concentration per Run	0.0007 ppm	14.1199 ppm	0.0163 ppm	0.0136 ppm	0.1806 ppm	0.0010 ppm	7.5004 ppm
Concentration per Run	0.0005 ppm	14.1056 ppm	0.0164 ppm	0.0149 ppm	0.1806 ppm	0.0010 ppm	7.4903 ppm
Concentration RSD	99.1 %	0.3 %	7.5 %	7.2 %	0.5 %	3.2 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0019 ppm	0.0191 ppm	0.0202 ppm	0.0358 ppm	33.2196 ppm	1.2793 ppm	0.0378 ppm
Concentration per Run	0.0019 ppm	0.0196 ppm	0.0207 ppm	0.0361 ppm	33.3804 ppm	1.2968 ppm	0.0387 ppm
Concentration per Run	0.0019 ppm	0.0190 ppm	0.0202 ppm	0.0352 ppm	33.2073 ppm	1.2871 ppm	0.0367 ppm
Concentration per Run	0.0019 ppm	0.0188 ppm	0.0196 ppm	0.0362 ppm	33.0710 ppm	1.2540 ppm	0.0382 ppm
Concentration RSD	1.5 %	2.2 %	2.7 %	1.6 %	0.5 %	1.8 %	2.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	5.4707 ppm	1.1022 ppm	0.0009 ppm	0.0581 ppm	0.0386 ppm	0.1509 ppm	0.0044 ppm
Concentration per Run	5.4854 ppm	1.1073 ppm	0.0011 ppm	0.0614 ppm	0.0389 ppm	0.1506 ppm	0.0053 ppm
Concentration per Run	5.4559 ppm	1.1010 ppm	0.0008 ppm	0.0625 ppm	0.0386 ppm	0.1510 ppm	0.0051 ppm
Concentration per Run	5.4707 ppm	1.0982 ppm	0.0009 ppm	0.0504 ppm	0.0382 ppm	0.1512 ppm	0.0028 ppm
Concentration RSD	0.3 %	0.4 %	11.4 %	11.6 %	1.0 %	0.2 %	31.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0036 ppm	0.9401 ppm	0.0068 ppm	0.0171 ppm	0.0515 ppm	0.0008 ppm	0.0193 ppm
Concentration per Run	0.0051 ppm	0.9391 ppm	0.0073 ppm	0.0172 ppm	0.0517 ppm	-0.0010 ppm	0.0194 ppm
Concentration per Run	0.0016 ppm	0.9435 ppm	0.0062 ppm	0.0170 ppm	0.0515 ppm	0.0012 ppm	0.0194 ppm
Concentration per Run	0.0042 ppm	0.9376 ppm	0.0068 ppm	0.0171 ppm	0.0515 ppm	0.0022 ppm	0.0191 ppm
Concentration RSD	50.9 %	0.3 %	7.9 %	0.6 %	0.2 %	207.6 %	0.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1874 ppm	101.3708 %	100.2661 %	99.6684 %	102.1568 %	101.7191 %	102.3613 %
Concentration per Run	0.1883 ppm	100.9804 %	100.0083 %	99.7753 %	101.9574 %	101.9102 %	102.3614 %
Concentration per Run	0.1877 ppm	101.7967 %	100.5122 %	99.2972 %	102.6350 %	101.9817 %	102.3764 %
Concentration per Run	0.1861 ppm	101.3354 %	100.2778 %	99.9327 %	101.8781 %	101.2654 %	102.3461 %
Concentration RSD	0.6 %	0.4 %	0.3 %	0.3 %	0.4 %	0.4 %	0.0 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: CCV
Analysis started at: 11/28/2025 8:07:31 AM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5042 ppm	0.4819 ppm	0.4799 ppm	0.4920 ppm	0.4993 ppm	0.5052 ppm	0.4944 ppm
Concentration per Run	0.5055 ppm	0.4895 ppm	0.4782 ppm	0.4928 ppm	0.5019 ppm	0.5078 ppm	0.4969 ppm
Concentration per Run	0.5054 ppm	0.4751 ppm	0.4789 ppm	0.4908 ppm	0.4970 ppm	0.5035 ppm	0.4932 ppm
Concentration per Run	0.5015 ppm	0.4811 ppm	0.4825 ppm	0.4924 ppm	0.4990 ppm	0.5042 ppm	0.4931 ppm
Recovery Percentage	100.832 %	96.383 %	95.973 %	98.399 %	99.864 %	101.035 %	98.875 %
Concentration RSD	0.5 %	1.5 %	0.5 %	0.2 %	0.5 %	0.5 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5154 ppm	0.5121 ppm	0.5109 ppm	0.5148 ppm	0.4968 ppm	5.1483 ppm	0.5226 ppm
Concentration per Run	0.5168 ppm	0.5123 ppm	0.5149 ppm	0.5164 ppm	0.4998 ppm	5.2055 ppm	0.5261 ppm
Concentration per Run	0.5155 ppm	0.5111 ppm	0.5107 ppm	0.5142 ppm	0.4960 ppm	5.1285 ppm	0.5153 ppm
Concentration per Run	0.5140 ppm	0.5129 ppm	0.5072 ppm	0.5138 ppm	0.4946 ppm	5.1109 ppm	0.5264 ppm
Recovery Percentage	103.088 %	102.418 %	102.190 %	102.966 %	99.362 %	102.966 %	104.523 %
Concentration RSD	0.3 %	0.2 %	0.7 %	0.3 %	0.5 %	1.0 %	1.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5030 ppm	0.5067 ppm	0.4893 ppm	10.1292 ppm	0.5143 ppm	0.4936 ppm	0.5110 ppm
Concentration per Run	0.5053 ppm	0.5096 ppm	0.4902 ppm	10.1755 ppm	0.5147 ppm	0.4918 ppm	0.5082 ppm
Concentration per Run	0.5008 ppm	0.5043 ppm	0.4871 ppm	10.0722 ppm	0.5162 ppm	0.4962 ppm	0.5142 ppm
Concentration per Run	0.5029 ppm	0.5061 ppm	0.4905 ppm	10.1398 ppm	0.5120 ppm	0.4929 ppm	0.5107 ppm
Recovery Percentage	100.595 %	101.336 %	97.853 %	101.292 %	102.859 %	98.724 %	102.209 %
Concentration RSD	0.4 %	0.5 %	0.4 %	0.5 %	0.4 %	0.5 %	0.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4798 ppm	5.3959 ppm	0.4972 ppm	0.4946 ppm	0.4953 ppm	0.4997 ppm	0.5100 ppm
Concentration per Run	0.4818 ppm	5.3950 ppm	0.4919 ppm	0.4965 ppm	0.4932 ppm	0.4977 ppm	0.5109 ppm
Concentration per Run	0.4796 ppm	5.3932 ppm	0.4990 ppm	0.4929 ppm	0.4961 ppm	0.4990 ppm	0.5093 ppm
Concentration per Run	0.4780 ppm	5.3994 ppm	0.5006 ppm	0.4944 ppm	0.4965 ppm	0.5023 ppm	0.5097 ppm
Recovery Percentage	95.960 %	102.779 %	99.431 %	98.928 %	99.053 %	99.937 %	101.993 %
Concentration RSD	0.4 %	0.1 %	0.9 %	0.4 %	0.4 %	0.5 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5126 ppm	100.4574 %	99.7924 %	100.8473 %	98.3342 %	98.2480 %	99.7058 %
Concentration per Run	0.5154 ppm	100.1543 %	98.6145 %	101.3761 %	97.8902 %	97.2136 %	100.3102 %
Concentration per Run	0.5129 ppm	100.7652 %	100.7305 %	100.6219 %	98.6992 %	98.8457 %	99.4807 %
Concentration per Run	0.5095 ppm	100.4527 %	100.0323 %	100.5438 %	98.4133 %	98.6847 %	99.3264 %
Recovery Percentage	102.520 %						
Concentration RSD	0.6 %	0.3 %	1.1 %	0.5 %	0.4 %	0.9 %	0.5 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: CCB
Analysis started at: 11/28/2025 8:09:40 AM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	0.0069 ppm	-0.0008 ppm	0.0013 ppm	0.0002 ppm	0.0001 ppm	-0.0030 ppm
Concentration per Run	-0.0003 ppm	0.0006 ppm	-0.0026 ppm	0.0010 ppm	0.0001 ppm	0.0001 ppm	-0.0045 ppm
Concentration per Run	-0.0003 ppm	0.0022 ppm	0.0006 ppm	0.0016 ppm	0.0003 ppm	0.0001 ppm	-0.0016 ppm
Concentration per Run	0.0001 ppm	0.0178 ppm	-0.0005 ppm	0.0012 ppm	0.0003 ppm	0.0000 ppm	-0.0027 ppm
Recovery Percentage	-2.653 %	6.866 %	-16.985 %	4.191 %	2.423 %	1.460 %	-2.957 %
Concentration RSD	122.6 %	137.9 %	191.5 %	25.3 %	49.1 %	28.5 %	49.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	-0.0005 ppm	-0.0003 ppm	0.0007 ppm	-0.0260 ppm	0.0024 ppm
Concentration per Run	0.0000 ppm	0.0003 ppm	-0.0005 ppm	0.0001 ppm	0.0002 ppm	-0.0214 ppm	0.0016 ppm
Concentration per Run	0.0001 ppm	0.0005 ppm	-0.0002 ppm	-0.0007 ppm	0.0013 ppm	-0.0146 ppm	0.0022 ppm
Concentration per Run	0.0000 ppm	-0.0006 ppm	-0.0007 ppm	-0.0003 ppm	0.0007 ppm	-0.0422 ppm	0.0033 ppm
Recovery Percentage	0.144 %	0.162 %	-4.868 %	-3.155 %	1.461 %	-1.041 %	47.303 %
Concentration RSD	756.8 %	1,769.3 %	51.3 %	116.1 %	76.6 %	55.2 %	36.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0010 ppm	0.0001 ppm	0.0002 ppm	-0.0048 ppm	-0.0007 ppm	-0.0010 ppm	0.0033 ppm
Concentration per Run	0.0007 ppm	0.0002 ppm	0.0006 ppm	-0.0025 ppm	-0.0009 ppm	-0.0008 ppm	0.0056 ppm
Concentration per Run	0.0021 ppm	0.0000 ppm	0.0000 ppm	-0.0044 ppm	-0.0006 ppm	-0.0014 ppm	0.0043 ppm
Concentration per Run	0.0001 ppm	0.0002 ppm	0.0002 ppm	-0.0076 ppm	-0.0006 ppm	-0.0008 ppm	0.0001 ppm
Recovery Percentage	0.979 %	1.182 %	0.458 %	-0.242 %	-2.784 %	-9.972 %	6.651 %
Concentration RSD	107.7 %	113.6 %	133.2 %	52.8 %	24.1 %	33.0 %	86.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0026 ppm	0.0129 ppm	0.0006 ppm	0.0001 ppm	-0.0001 ppm	0.0009 ppm	-0.0001 ppm
Concentration per Run	0.0053 ppm	0.0115 ppm	-0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0002 ppm	-0.0003 ppm
Concentration per Run	0.0006 ppm	0.0116 ppm	0.0016 ppm	0.0002 ppm	-0.0002 ppm	0.0016 ppm	0.0002 ppm
Concentration per Run	0.0020 ppm	0.0156 ppm	0.0002 ppm	0.0001 ppm	0.0000 ppm	0.0010 ppm	-0.0004 ppm
Recovery Percentage	26.234 %	2.586 %	1.143 %	1.312 %	-0.705 %	4.719 %	-1.402 %
Concentration RSD	91.1 %	17.8 %	154.3 %	54.6 %	219.6 %	73.1 %	221.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	99.0663 %	98.1888 %	99.1598 %	99.2888 %	98.0258 %	99.0710 %
Concentration per Run	0.0002 ppm	99.1425 %	96.7695 %	98.8215 %	99.0211 %	96.9877 %	98.6485 %
Concentration per Run	0.0002 ppm	99.1689 %	99.6017 %	99.2917 %	99.4902 %	99.3176 %	99.1174 %
Concentration per Run	0.0004 ppm	98.8875 %	98.1951 %	99.3663 %	99.3550 %	97.7722 %	99.4472 %
Recovery Percentage	4.903 %						
Concentration RSD	52.1 %	0.2 %	1.4 %	0.3 %	0.2 %	1.2 %	0.4 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574898-03D2 WG2146092
Analysis started at: 11/28/2025 8:16:08 AM
Comment <Comment>
Rack Number 1
Vial Numbers 26

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0009 ppm	60.8688 ppm	0.0561 ppm	0.0332 ppm	0.8155 ppm	0.0034 ppm	49.7760 ppm
Concentration per Run	0.0008 ppm	61.4313 ppm	0.0571 ppm	0.0325 ppm	0.8233 ppm	0.0034 ppm	50.2541 ppm
Concentration per Run	0.0010 ppm	60.5873 ppm	0.0559 ppm	0.0336 ppm	0.8116 ppm	0.0034 ppm	49.5379 ppm
Concentration per Run	0.0010 ppm	60.5879 ppm	0.0555 ppm	0.0333 ppm	0.8117 ppm	0.0033 ppm	49.5361 ppm
Concentration RSD	10.0 %	0.8 %	1.5 %	1.7 %	0.8 %	1.3 %	0.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0028 ppm	0.0644 ppm	0.0966 ppm	0.1587 ppm	154.7727 ppm	5.6841 ppm	0.1430 ppm
Concentration per Run	0.0030 ppm	0.0646 ppm	0.0960 ppm	0.1588 ppm	155.9846 ppm	5.7418 ppm	0.1457 ppm
Concentration per Run	0.0027 ppm	0.0641 ppm	0.0953 ppm	0.1578 ppm	154.1367 ppm	5.6526 ppm	0.1413 ppm
Concentration per Run	0.0026 ppm	0.0643 ppm	0.0984 ppm	0.1594 ppm	154.1966 ppm	5.6578 ppm	0.1420 ppm
Concentration RSD	6.7 %	0.4 %	1.7 %	0.5 %	0.7 %	0.9 %	1.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	28.9737 ppm	4.3314 ppm	0.0021 ppm	7.1015 ppm	0.1305 ppm	0.1322 ppm	0.0002 ppm
Concentration per Run	28.8730 ppm	4.3634 ppm	0.0022 ppm	7.1923 ppm	0.1307 ppm	0.1313 ppm	0.0003 ppm
Concentration per Run	28.9507 ppm	4.3148 ppm	0.0026 ppm	7.0502 ppm	0.1300 ppm	0.1316 ppm	0.0009 ppm
Concentration per Run	29.0973 ppm	4.3162 ppm	0.0016 ppm	7.0618 ppm	0.1307 ppm	0.1336 ppm	-0.0005 ppm
Concentration RSD	0.4 %	0.6 %	22.7 %	1.1 %	0.3 %	1.0 %	288.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0022 ppm	3.3469 ppm	0.0108 ppm	0.1060 ppm	0.2852 ppm	-0.0014 ppm	0.0893 ppm
Concentration per Run	0.0012 ppm	3.3439 ppm	0.0100 ppm	0.1075 ppm	0.2845 ppm	-0.0013 ppm	0.0893 ppm
Concentration per Run	0.0038 ppm	3.3335 ppm	0.0104 ppm	0.1049 ppm	0.2855 ppm	-0.0038 ppm	0.0890 ppm
Concentration per Run	0.0017 ppm	3.3634 ppm	0.0120 ppm	0.1056 ppm	0.2856 ppm	0.0008 ppm	0.0896 ppm
Concentration RSD	62.4 %	0.5 %	10.0 %	1.3 %	0.2 %	160.3 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5481 ppm	100.3717 %	101.9547 %	94.5875 %	108.5180 %	111.8714 %	109.6516 %
Concentration per Run	0.5455 ppm	100.7120 %	100.8733 %	94.6806 %	108.7000 %	112.3387 %	109.6885 %
Concentration per Run	0.5438 ppm	100.8443 %	102.2643 %	94.6086 %	109.0508 %	111.1646 %	109.6121 %
Concentration per Run	0.5550 ppm	99.5590 %	102.7267 %	94.4733 %	107.8033 %	112.1107 %	109.6542 %
Concentration RSD	1.1 %	0.7 %	0.9 %	0.1 %	0.6 %	0.6 %	0.0 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574898-04D2 WG2146092
Analysis started at: 11/28/2025 8:18:23 AM
Comment <Comment>
Rack Number 1
Vial Numbers 27

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0009 ppm	106.4239 ppm	0.0653 ppm	0.0170 ppm	1.4246 ppm	0.0056 ppm	39.3428 ppm
Concentration per Run	0.0009 ppm	106.1695 ppm	0.0638 ppm	0.0157 ppm	1.4260 ppm	0.0055 ppm	39.2685 ppm
Concentration per Run	0.0004 ppm	107.2152 ppm	0.0640 ppm	0.0161 ppm	1.4320 ppm	0.0056 ppm	39.4913 ppm
Concentration per Run	0.0014 ppm	105.8870 ppm	0.0682 ppm	0.0192 ppm	1.4160 ppm	0.0056 ppm	39.2685 ppm
Concentration RSD	53.1 %	0.7 %	3.8 %	11.4 %	0.6 %	0.9 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0023 ppm	0.1059 ppm	0.1390 ppm	0.1524 ppm	235.1965 ppm	7.3768 ppm	0.2640 ppm
Concentration per Run	0.0023 ppm	0.1054 ppm	0.1374 ppm	0.1512 ppm	235.0913 ppm	7.4036 ppm	0.2685 ppm
Concentration per Run	0.0022 ppm	0.1057 ppm	0.1394 ppm	0.1527 ppm	236.6415 ppm	7.4295 ppm	0.2647 ppm
Concentration per Run	0.0023 ppm	0.1064 ppm	0.1401 ppm	0.1534 ppm	233.8567 ppm	7.2971 ppm	0.2590 ppm
Concentration RSD	3.5 %	0.5 %	1.0 %	0.7 %	0.6 %	1.0 %	1.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	38.4074 ppm	5.1150 ppm	-0.0003 ppm	7.3956 ppm	0.2100 ppm	0.0986 ppm	-0.0017 ppm
Concentration per Run	38.3390 ppm	5.0941 ppm	-0.0004 ppm	7.3694 ppm	0.2095 ppm	0.0979 ppm	-0.0023 ppm
Concentration per Run	38.3864 ppm	5.1561 ppm	-0.0001 ppm	7.4686 ppm	0.2088 ppm	0.0994 ppm	-0.0004 ppm
Concentration per Run	38.4969 ppm	5.0948 ppm	-0.0002 ppm	7.3489 ppm	0.2116 ppm	0.0985 ppm	-0.0026 ppm
Concentration RSD	0.2 %	0.7 %	68.8 %	0.9 %	0.7 %	0.8 %	69.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0027 ppm	2.8438 ppm	0.0072 ppm	0.1030 ppm	0.2847 ppm	-0.0010 ppm	0.1695 ppm
Concentration per Run	0.0019 ppm	2.8417 ppm	0.0067 ppm	0.1030 ppm	0.2838 ppm	-0.0012 ppm	0.1681 ppm
Concentration per Run	0.0006 ppm	2.8344 ppm	0.0066 ppm	0.1037 ppm	0.2848 ppm	0.0008 ppm	0.1697 ppm
Concentration per Run	0.0057 ppm	2.8554 ppm	0.0081 ppm	0.1024 ppm	0.2855 ppm	-0.0025 ppm	0.1709 ppm
Concentration RSD	97.3 %	0.4 %	11.8 %	0.6 %	0.3 %	171.0 %	0.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5765 ppm	99.2200 %	101.2564 %	93.1627 %	111.3945 %	114.8027 %	113.1381 %
Concentration per Run	0.5715 ppm	100.2274 %	100.8032 %	93.2462 %	112.0149 %	114.1410 %	113.0984 %
Concentration per Run	0.5790 ppm	99.0978 %	101.0565 %	92.5340 %	111.3280 %	115.2717 %	112.5217 %
Concentration per Run	0.5791 ppm	98.3347 %	101.9096 %	93.7080 %	110.8406 %	114.9953 %	113.7943 %
Concentration RSD	0.7 %	1.0 %	0.6 %	0.6 %	0.5 %	0.5 %	0.6 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574898-05D2 WG2146092
Analysis started at: 11/28/2025 8:20:32 AM
Comment <Comment>
Rack Number 1
Vial Numbers 28

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0008 ppm	94.6581 ppm	0.0590 ppm	0.0208 ppm	1.0041 ppm	0.0051 ppm	36.0629 ppm
Concentration per Run	0.0002 ppm	94.8836 ppm	0.0592 ppm	0.0210 ppm	1.0043 ppm	0.0051 ppm	36.2195 ppm
Concentration per Run	0.0014 ppm	94.8855 ppm	0.0596 ppm	0.0209 ppm	1.0051 ppm	0.0051 ppm	36.0637 ppm
Concentration per Run	0.0007 ppm	94.2053 ppm	0.0582 ppm	0.0205 ppm	1.0031 ppm	0.0051 ppm	35.9054 ppm
Concentration RSD	78.6 %	0.4 %	1.2 %	1.3 %	0.1 %	0.4 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0016 ppm	0.0869 ppm	0.1229 ppm	0.1519 ppm	198.9270 ppm	6.7220 ppm	0.2143 ppm
Concentration per Run	0.0015 ppm	0.0870 ppm	0.1232 ppm	0.1521 ppm	199.1127 ppm	6.7451 ppm	0.2137 ppm
Concentration per Run	0.0017 ppm	0.0864 ppm	0.1227 ppm	0.1518 ppm	199.2315 ppm	6.7229 ppm	0.2140 ppm
Concentration per Run	0.0015 ppm	0.0873 ppm	0.1228 ppm	0.1519 ppm	198.4369 ppm	6.6978 ppm	0.2152 ppm
Concentration RSD	7.9 %	0.6 %	0.2 %	0.1 %	0.2 %	0.4 %	0.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	38.3271 ppm	6.0217 ppm	0.0002 ppm	3.6583 ppm	0.1925 ppm	0.1203 ppm	0.0016 ppm
Concentration per Run	38.2635 ppm	6.0300 ppm	0.0005 ppm	3.6655 ppm	0.1922 ppm	0.1212 ppm	0.0004 ppm
Concentration per Run	38.3653 ppm	6.0375 ppm	0.0000 ppm	3.6664 ppm	0.1930 ppm	0.1193 ppm	0.0026 ppm
Concentration per Run	38.3527 ppm	5.9975 ppm	0.0001 ppm	3.6430 ppm	0.1924 ppm	0.1203 ppm	0.0020 ppm
Concentration RSD	0.1 %	0.4 %	146.4 %	0.4 %	0.2 %	0.8 %	69.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0020 ppm	3.0378 ppm	0.0077 ppm	0.0998 ppm	0.2520 ppm	-0.0020 ppm	0.1351 ppm
Concentration per Run	0.0023 ppm	3.0379 ppm	0.0084 ppm	0.0999 ppm	0.2510 ppm	-0.0007 ppm	0.1356 ppm
Concentration per Run	0.0008 ppm	3.0304 ppm	0.0072 ppm	0.0997 ppm	0.2535 ppm	-0.0032 ppm	0.1347 ppm
Concentration per Run	0.0029 ppm	3.0449 ppm	0.0075 ppm	0.0999 ppm	0.2516 ppm	-0.0022 ppm	0.1349 ppm
Concentration RSD	52.6 %	0.2 %	8.6 %	0.1 %	0.5 %	62.2 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5886 ppm	99.8360 %	102.6693 %	94.4308 %	114.7056 %	118.6076 %	116.6073 %
Concentration per Run	0.5869 ppm	99.8379 %	102.2063 %	93.1492 %	114.7947 %	118.0825 %	115.3186 %
Concentration per Run	0.5902 ppm	99.7970 %	102.7063 %	95.4291 %	114.3945 %	118.8383 %	117.6841 %
Concentration per Run	0.5887 ppm	99.8730 %	103.0951 %	94.7141 %	114.9276 %	118.9019 %	116.8191 %
Concentration RSD	0.3 %	0.0 %	0.4 %	1.2 %	0.2 %	0.4 %	1.0 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574898-06D2 WG2146092
Analysis started at: 11/28/2025 8:22:41 AM
Comment <Comment>
Rack Number 1
Vial Numbers 29

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0023 ppm	105.3451 ppm	0.0553 ppm	0.0182 ppm	1.2116 ppm	0.0054 ppm	82.0680 ppm
Concentration per Run	0.0026 ppm	105.1764 ppm	0.0557 ppm	0.0163 ppm	1.2128 ppm	0.0054 ppm	81.8970 ppm
Concentration per Run	0.0025 ppm	105.2439 ppm	0.0534 ppm	0.0184 ppm	1.2069 ppm	0.0054 ppm	82.0169 ppm
Concentration per Run	0.0019 ppm	105.6151 ppm	0.0567 ppm	0.0198 ppm	1.2152 ppm	0.0055 ppm	82.2900 ppm
Concentration RSD	16.8 %	0.2 %	3.0 %	9.8 %	0.4 %	1.0 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0017 ppm	0.1003 ppm	0.1382 ppm	0.1702 ppm	229.4883 ppm	7.6421 ppm	0.2603 ppm
Concentration per Run	0.0015 ppm	0.1002 ppm	0.1375 ppm	0.1701 ppm	229.2614 ppm	7.6497 ppm	0.2618 ppm
Concentration per Run	0.0019 ppm	0.0997 ppm	0.1370 ppm	0.1689 ppm	228.9187 ppm	7.6111 ppm	0.2577 ppm
Concentration per Run	0.0015 ppm	0.1010 ppm	0.1399 ppm	0.1718 ppm	230.2849 ppm	7.6655 ppm	0.2614 ppm
Concentration RSD	13.7 %	0.6 %	1.1 %	0.9 %	0.3 %	0.4 %	0.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	40.7217 ppm	4.4188 ppm	-0.0002 ppm	2.6649 ppm	0.2061 ppm	0.0841 ppm	0.0009 ppm
Concentration per Run	40.7379 ppm	4.4142 ppm	0.0000 ppm	2.6641 ppm	0.2071 ppm	0.0838 ppm	0.0031 ppm
Concentration per Run	40.5828 ppm	4.4113 ppm	-0.0006 ppm	2.6627 ppm	0.2037 ppm	0.0838 ppm	-0.0016 ppm
Concentration per Run	40.8445 ppm	4.4309 ppm	0.0001 ppm	2.6679 ppm	0.2073 ppm	0.0848 ppm	0.0013 ppm
Concentration RSD	0.3 %	0.2 %	221.5 %	0.1 %	1.0 %	0.7 %	254.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0020 ppm	3.0743 ppm	0.0068 ppm	0.1282 ppm	0.2756 ppm	-0.0003 ppm	0.1703 ppm
Concentration per Run	0.0027 ppm	3.0712 ppm	0.0057 ppm	0.1282 ppm	0.2759 ppm	-0.0001 ppm	0.1705 ppm
Concentration per Run	0.0044 ppm	3.0566 ppm	0.0077 ppm	0.1276 ppm	0.2746 ppm	0.0010 ppm	0.1682 ppm
Concentration per Run	-0.0009 ppm	3.0952 ppm	0.0070 ppm	0.1289 ppm	0.2765 ppm	-0.0019 ppm	0.1723 ppm
Concentration RSD	133.1 %	0.6 %	14.6 %	0.5 %	0.3 %	443.8 %	1.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5433 ppm	99.9464 %	102.8126 %	91.6859 %	112.8603 %	117.5940 %	113.6563 %
Concentration per Run	0.5463 ppm	99.5566 %	102.6955 %	91.6723 %	112.4330 %	117.2621 %	113.7722 %
Concentration per Run	0.5364 ppm	100.7718 %	103.5680 %	91.9986 %	113.2392 %	118.5153 %	114.0263 %
Concentration per Run	0.5474 ppm	99.5110 %	102.1742 %	91.3868 %	112.9087 %	117.0045 %	113.1706 %
Concentration RSD	1.1 %	0.7 %	0.7 %	0.3 %	0.4 %	0.7 %	0.4 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574898-07D2 WG2146092
Analysis started at: 11/28/2025 8:24:50 AM
Comment <Comment>
Rack Number 1
Vial Numbers 30

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0018 ppm	75.8719 ppm	0.0613 ppm	0.0495 ppm	0.9526 ppm	0.0046 ppm	22.0447 ppm
Concentration per Run	0.0023 ppm	75.4646 ppm	0.0612 ppm	0.0493 ppm	0.9409 ppm	0.0046 ppm	21.8703 ppm
Concentration per Run	0.0019 ppm	76.2665 ppm	0.0613 ppm	0.0499 ppm	0.9613 ppm	0.0046 ppm	22.1514 ppm
Concentration per Run	0.0011 ppm	75.8845 ppm	0.0614 ppm	0.0493 ppm	0.9555 ppm	0.0046 ppm	22.1124 ppm
Concentration RSD	35.7 %	0.5 %	0.2 %	0.7 %	1.1 %	0.2 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0045 ppm	0.0841 ppm	0.1041 ppm	0.1390 ppm	169.6727 ppm	5.5701 ppm	0.1843 ppm
Concentration per Run	0.0044 ppm	0.0840 ppm	0.1037 ppm	0.1385 ppm	167.9917 ppm	5.5259 ppm	0.1791 ppm
Concentration per Run	0.0046 ppm	0.0843 ppm	0.1048 ppm	0.1399 ppm	170.7427 ppm	5.5718 ppm	0.1861 ppm
Concentration per Run	0.0045 ppm	0.0840 ppm	0.1038 ppm	0.1386 ppm	170.2838 ppm	5.6127 ppm	0.1877 ppm
Concentration RSD	2.1 %	0.2 %	0.6 %	0.6 %	0.9 %	0.8 %	2.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	25.3005 ppm	4.7422 ppm	0.0010 ppm	0.9641 ppm	0.1710 ppm	0.3669 ppm	0.0070 ppm
Concentration per Run	25.2654 ppm	4.7112 ppm	0.0010 ppm	0.9500 ppm	0.1706 ppm	0.3672 ppm	0.0053 ppm
Concentration per Run	25.3524 ppm	4.7707 ppm	0.0008 ppm	0.9755 ppm	0.1731 ppm	0.3653 ppm	0.0092 ppm
Concentration per Run	25.2836 ppm	4.7445 ppm	0.0013 ppm	0.9668 ppm	0.1695 ppm	0.3680 ppm	0.0064 ppm
Concentration RSD	0.2 %	0.6 %	27.6 %	1.3 %	1.1 %	0.4 %	28.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0050 ppm	3.2978 ppm	0.0134 ppm	0.0750 ppm	0.2451 ppm	-0.0005 ppm	0.1057 ppm
Concentration per Run	0.0043 ppm	3.2883 ppm	0.0131 ppm	0.0742 ppm	0.2445 ppm	-0.0012 ppm	0.1050 ppm
Concentration per Run	0.0037 ppm	3.3305 ppm	0.0126 ppm	0.0755 ppm	0.2467 ppm	0.0003 ppm	0.1066 ppm
Concentration per Run	0.0068 ppm	3.2748 ppm	0.0145 ppm	0.0751 ppm	0.2442 ppm	-0.0007 ppm	0.1054 ppm
Concentration RSD	33.1 %	0.9 %	7.5 %	0.9 %	0.5 %	133.7 %	0.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6278 ppm	100.6291 %	102.8842 %	95.4319 %	111.2818 %	114.5108 %	112.8198 %
Concentration per Run	0.6253 ppm	100.8134 %	103.2554 %	95.8469 %	111.2468 %	114.3668 %	113.4690 %
Concentration per Run	0.6316 ppm	100.1502 %	102.2714 %	95.2522 %	110.8500 %	114.5293 %	112.2760 %
Concentration per Run	0.6266 ppm	100.9237 %	103.1258 %	95.1966 %	111.7485 %	114.6364 %	112.7144 %
Concentration RSD	0.5 %	0.4 %	0.5 %	0.4 %	0.4 %	0.1 %	0.5 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574898-08D2 WG2146092
Analysis started at: 11/28/2025 8:26:59 AM
Comment <Comment>
Rack Number 1
Vial Numbers 31

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0015 ppm	79.3821 ppm	0.0617 ppm	0.0557 ppm	1.0304 ppm	0.0046 ppm	20.4183 ppm
Concentration per Run	0.0025 ppm	79.0562 ppm	0.0626 ppm	0.0540 ppm	1.0278 ppm	0.0047 ppm	20.3433 ppm
Concentration per Run	0.0015 ppm	79.6132 ppm	0.0615 ppm	0.0552 ppm	1.0341 ppm	0.0046 ppm	20.5419 ppm
Concentration per Run	0.0005 ppm	79.4769 ppm	0.0611 ppm	0.0580 ppm	1.0293 ppm	0.0047 ppm	20.3697 ppm
Concentration RSD	68.2 %	0.4 %	1.3 %	3.7 %	0.3 %	1.6 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0064 ppm	0.0862 ppm	0.1036 ppm	0.1297 ppm	175.5944 ppm	4.8373 ppm	0.1899 ppm
Concentration per Run	0.0063 ppm	0.0850 ppm	0.1022 ppm	0.1295 ppm	175.1555 ppm	4.8330 ppm	0.1896 ppm
Concentration per Run	0.0066 ppm	0.0868 ppm	0.1038 ppm	0.1292 ppm	176.0658 ppm	4.8388 ppm	0.1925 ppm
Concentration per Run	0.0063 ppm	0.0867 ppm	0.1050 ppm	0.1305 ppm	175.5620 ppm	4.8402 ppm	0.1875 ppm
Concentration RSD	2.9 %	1.1 %	1.3 %	0.5 %	0.3 %	0.1 %	1.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	25.8638 ppm	5.8427 ppm	0.0013 ppm	1.0311 ppm	0.1749 ppm	0.3413 ppm	0.0051 ppm
Concentration per Run	25.7471 ppm	5.8289 ppm	0.0005 ppm	1.0222 ppm	0.1745 ppm	0.3404 ppm	0.0037 ppm
Concentration per Run	25.9328 ppm	5.8510 ppm	0.0016 ppm	1.0353 ppm	0.1740 ppm	0.3398 ppm	0.0061 ppm
Concentration per Run	25.9115 ppm	5.8481 ppm	0.0017 ppm	1.0358 ppm	0.1762 ppm	0.3438 ppm	0.0055 ppm
Concentration RSD	0.4 %	0.2 %	51.2 %	0.7 %	0.7 %	0.6 %	24.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0046 ppm	3.0634 ppm	0.0124 ppm	0.0737 ppm	0.2549 ppm	0.0005 ppm	0.1094 ppm
Concentration per Run	0.0057 ppm	3.0385 ppm	0.0122 ppm	0.0735 ppm	0.2541 ppm	0.0008 ppm	0.1083 ppm
Concentration per Run	0.0045 ppm	3.0722 ppm	0.0128 ppm	0.0740 ppm	0.2556 ppm	0.0011 ppm	0.1093 ppm
Concentration per Run	0.0037 ppm	3.0795 ppm	0.0123 ppm	0.0737 ppm	0.2551 ppm	-0.0005 ppm	0.1105 ppm
Concentration RSD	22.6 %	0.7 %	2.5 %	0.3 %	0.3 %	189.3 %	1.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6002 ppm	100.3553 %	102.0279 %	95.0271 %	112.4622 %	115.2725 %	113.7448 %
Concentration per Run	0.5939 ppm	101.3948 %	101.8913 %	95.6968 %	113.7037 %	115.1192 %	114.6380 %
Concentration per Run	0.5970 ppm	100.6776 %	101.2165 %	94.5672 %	112.5086 %	114.0448 %	113.2474 %
Concentration per Run	0.6096 ppm	98.9935 %	102.9759 %	94.8174 %	111.1741 %	116.6535 %	113.3491 %
Concentration RSD	1.4 %	1.2 %	0.9 %	0.6 %	1.1 %	1.1 %	0.7 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574898-09D2 WG2146092
Analysis started at: 11/28/2025 8:29:08 AM
Comment <Comment>
Rack Number 1
Vial Numbers 32

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0020 ppm	94.4715 ppm	0.0637 ppm	0.0184 ppm	1.1871 ppm	0.0052 ppm	43.6570 ppm
Concentration per Run	0.0020 ppm	94.4191 ppm	0.0630 ppm	0.0184 ppm	1.1872 ppm	0.0052 ppm	43.7297 ppm
Concentration per Run	0.0022 ppm	94.7084 ppm	0.0640 ppm	0.0186 ppm	1.1880 ppm	0.0052 ppm	43.6927 ppm
Concentration per Run	0.0018 ppm	94.2868 ppm	0.0641 ppm	0.0182 ppm	1.1860 ppm	0.0052 ppm	43.5486 ppm
Concentration RSD	9.6 %	0.2 %	1.0 %	1.3 %	0.1 %	0.7 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0027 ppm	0.0898 ppm	0.1260 ppm	0.1592 ppm	197.7959 ppm	6.8411 ppm	0.2134 ppm
Concentration per Run	0.0027 ppm	0.0894 ppm	0.1262 ppm	0.1589 ppm	197.3326 ppm	6.8517 ppm	0.2191 ppm
Concentration per Run	0.0026 ppm	0.0897 ppm	0.1257 ppm	0.1582 ppm	198.7984 ppm	6.8465 ppm	0.2099 ppm
Concentration per Run	0.0028 ppm	0.0904 ppm	0.1261 ppm	0.1605 ppm	197.2566 ppm	6.8252 ppm	0.2112 ppm
Concentration RSD	3.7 %	0.6 %	0.2 %	0.7 %	0.4 %	0.2 %	2.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	30.0674 ppm	7.0230 ppm	0.0004 ppm	3.6481 ppm	0.1934 ppm	0.1681 ppm	0.0002 ppm
Concentration per Run	30.0869 ppm	7.0252 ppm	-0.0001 ppm	3.6525 ppm	0.1941 ppm	0.1705 ppm	0.0010 ppm
Concentration per Run	30.0701 ppm	7.0250 ppm	0.0009 ppm	3.6575 ppm	0.1931 ppm	0.1665 ppm	0.0031 ppm
Concentration per Run	30.0453 ppm	7.0188 ppm	0.0002 ppm	3.6343 ppm	0.1931 ppm	0.1674 ppm	-0.0034 ppm
Concentration RSD	0.1 %	0.1 %	142.5 %	0.3 %	0.3 %	1.3 %	1,415.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0043 ppm	2.8251 ppm	0.0088 ppm	0.1045 ppm	0.2750 ppm	-0.0018 ppm	0.1284 ppm
Concentration per Run	0.0012 ppm	2.8263 ppm	0.0080 ppm	0.1047 ppm	0.2745 ppm	-0.0018 ppm	0.1280 ppm
Concentration per Run	0.0061 ppm	2.8204 ppm	0.0089 ppm	0.1047 ppm	0.2754 ppm	-0.0020 ppm	0.1288 ppm
Concentration per Run	0.0057 ppm	2.8288 ppm	0.0095 ppm	0.1041 ppm	0.2752 ppm	-0.0015 ppm	0.1283 ppm
Concentration RSD	62.4 %	0.2 %	8.7 %	0.3 %	0.2 %	14.9 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6341 ppm	100.4033 %	103.3444 %	94.7159 %	114.7753 %	119.4930 %	116.7350 %
Concentration per Run	0.6347 ppm	99.7182 %	102.9471 %	94.4803 %	113.7737 %	119.0298 %	116.4560 %
Concentration per Run	0.6337 ppm	100.9965 %	103.3596 %	94.7904 %	115.2494 %	119.9173 %	116.7757 %
Concentration per Run	0.6339 ppm	100.4951 %	103.7264 %	94.8769 %	115.3028 %	119.5319 %	116.9733 %
Concentration RSD	0.1 %	0.6 %	0.4 %	0.2 %	0.8 %	0.4 %	0.2 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574898-10D2 WG2146092
Analysis started at: 11/28/2025 8:31:17 AM
Comment <Comment>
Rack Number 1
Vial Numbers 33

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0010 ppm	105.9002 ppm	0.0651 ppm	0.0174 ppm	1.4989 ppm	0.0056 ppm	88.1765 ppm
Concentration per Run	0.0014 ppm	106.1008 ppm	0.0662 ppm	0.0174 ppm	1.4977 ppm	0.0056 ppm	88.3203 ppm
Concentration per Run	0.0005 ppm	106.3436 ppm	0.0625 ppm	0.0183 ppm	1.5068 ppm	0.0056 ppm	88.5226 ppm
Concentration per Run	0.0010 ppm	105.2562 ppm	0.0667 ppm	0.0166 ppm	1.4923 ppm	0.0055 ppm	87.6866 ppm
Concentration RSD	46.5 %	0.5 %	3.6 %	4.9 %	0.5 %	0.6 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0020 ppm	0.1016 ppm	0.1387 ppm	0.1668 ppm	221.6284 ppm	7.3371 ppm	0.2529 ppm
Concentration per Run	0.0019 ppm	0.1014 ppm	0.1384 ppm	0.1662 ppm	221.3506 ppm	7.3295 ppm	0.2550 ppm
Concentration per Run	0.0022 ppm	0.1025 ppm	0.1390 ppm	0.1674 ppm	222.5843 ppm	7.3940 ppm	0.2564 ppm
Concentration per Run	0.0019 ppm	0.1009 ppm	0.1386 ppm	0.1667 ppm	220.9502 ppm	7.2879 ppm	0.2474 ppm
Concentration RSD	8.9 %	0.8 %	0.2 %	0.4 %	0.4 %	0.7 %	1.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	38.9077 ppm	6.1118 ppm	0.0007 ppm	4.0399 ppm	0.2041 ppm	0.1377 ppm	-0.0002 ppm
Concentration per Run	38.8513 ppm	6.1114 ppm	0.0010 ppm	4.0283 ppm	0.2030 ppm	0.1372 ppm	0.0005 ppm
Concentration per Run	38.9626 ppm	6.1472 ppm	0.0007 ppm	4.0750 ppm	0.2052 ppm	0.1367 ppm	-0.0014 ppm
Concentration per Run	38.9093 ppm	6.0769 ppm	0.0003 ppm	4.0165 ppm	0.2041 ppm	0.1393 ppm	0.0002 ppm
Concentration RSD	0.1 %	0.6 %	50.2 %	0.8 %	0.5 %	1.0 %	422.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0020 ppm	2.8497 ppm	0.0071 ppm	0.1568 ppm	0.2448 ppm	-0.0007 ppm	0.1582 ppm
Concentration per Run	0.0058 ppm	2.8499 ppm	0.0057 ppm	0.1566 ppm	0.2442 ppm	-0.0007 ppm	0.1579 ppm
Concentration per Run	-0.0025 ppm	2.8582 ppm	0.0074 ppm	0.1578 ppm	0.2442 ppm	0.0007 ppm	0.1591 ppm
Concentration per Run	0.0028 ppm	2.8409 ppm	0.0081 ppm	0.1560 ppm	0.2459 ppm	-0.0021 ppm	0.1576 ppm
Concentration RSD	207.0 %	0.3 %	17.7 %	0.6 %	0.4 %	204.3 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6167 ppm	98.4550 %	102.5061 %	92.6670 %	112.7291 %	118.6872 %	115.4540 %
Concentration per Run	0.6130 ppm	98.9879 %	102.0512 %	91.9216 %	113.2150 %	118.2149 %	114.7653 %
Concentration per Run	0.6185 ppm	98.0433 %	102.2316 %	92.4838 %	112.4665 %	119.0291 %	114.8859 %
Concentration per Run	0.6188 ppm	98.3338 %	103.2354 %	93.5958 %	112.5059 %	118.8176 %	116.7109 %
Concentration RSD	0.5 %	0.5 %	0.6 %	0.9 %	0.4 %	0.4 %	0.9 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574898-11D2 WG2146092
Analysis started at: 11/28/2025 8:33:26 AM
Comment
Rack Number 1
Vial Numbers 34

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0023 ppm	74.5293 ppm	0.0956 ppm	0.0557 ppm	1.0652 ppm	0.0061 ppm	27.8047 ppm
Concentration per Run	0.0021 ppm	74.1298 ppm	0.0947 ppm	0.0551 ppm	1.0602 ppm	0.0060 ppm	27.6939 ppm
Concentration per Run	0.0029 ppm	74.6890 ppm	0.0940 ppm	0.0568 ppm	1.0689 ppm	0.0061 ppm	27.8495 ppm
Concentration per Run	0.0019 ppm	74.7691 ppm	0.0980 ppm	0.0550 ppm	1.0665 ppm	0.0061 ppm	27.8708 ppm
Concentration RSD	22.6 %	0.5 %	2.3 %	1.8 %	0.4 %	0.7 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0107 ppm	0.1184 ppm	0.1208 ppm	0.2900 ppm	187.1187 ppm	7.7322 ppm	0.1887 ppm
Concentration per Run	0.0107 ppm	0.1186 ppm	0.1217 ppm	0.2891 ppm	186.3860 ppm	7.7034 ppm	0.1943 ppm
Concentration per Run	0.0108 ppm	0.1188 ppm	0.1213 ppm	0.2905 ppm	187.2641 ppm	7.7433 ppm	0.1863 ppm
Concentration per Run	0.0107 ppm	0.1179 ppm	0.1193 ppm	0.2904 ppm	187.7060 ppm	7.7498 ppm	0.1854 ppm
Concentration RSD	0.5 %	0.4 %	1.0 %	0.3 %	0.4 %	0.3 %	2.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	25.1412 ppm	6.2820 ppm	0.0056 ppm	0.3164 ppm	0.2174 ppm	1.0736 ppm	0.0079 ppm
Concentration per Run	25.1943 ppm	6.2546 ppm	0.0053 ppm	0.3125 ppm	0.2176 ppm	1.0704 ppm	0.0071 ppm
Concentration per Run	25.1030 ppm	6.2945 ppm	0.0057 ppm	0.3150 ppm	0.2179 ppm	1.0809 ppm	0.0123 ppm
Concentration per Run	25.1261 ppm	6.2971 ppm	0.0057 ppm	0.3216 ppm	0.2167 ppm	1.0695 ppm	0.0042 ppm
Concentration RSD	0.2 %	0.4 %	4.6 %	1.5 %	0.3 %	0.6 %	51.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0089 ppm	4.2678 ppm	0.0441 ppm	0.1027 ppm	0.3220 ppm	-0.0007 ppm	0.1139 ppm
Concentration per Run	0.0088 ppm	4.2686 ppm	0.0433 ppm	0.1023 ppm	0.3214 ppm	-0.0018 ppm	0.1141 ppm
Concentration per Run	0.0101 ppm	4.2764 ppm	0.0432 ppm	0.1029 ppm	0.3234 ppm	0.0004 ppm	0.1143 ppm
Concentration per Run	0.0078 ppm	4.2585 ppm	0.0459 ppm	0.1030 ppm	0.3211 ppm	-0.0006 ppm	0.1135 ppm
Concentration RSD	12.9 %	0.2 %	3.5 %	0.4 %	0.4 %	171.5 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.2649 ppm	100.5576 %	102.4909 %	95.1531 %	111.8684 %	115.0031 %	113.2565 %
Concentration per Run	1.2695 ppm	99.5836 %	102.3013 %	95.3407 %	110.7908 %	114.2262 %	113.2167 %
Concentration per Run	1.2644 ppm	100.9416 %	102.7990 %	94.6884 %	112.1462 %	115.6065 %	113.2535 %
Concentration per Run	1.2609 ppm	101.1477 %	102.3725 %	95.4302 %	112.6683 %	115.1766 %	113.2993 %
Concentration RSD	0.3 %	0.8 %	0.3 %	0.4 %	0.9 %	0.6 %	0.0 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574898-12D2 WG2146092
Analysis started at: 11/28/2025 8:35:35 AM
Comment
Rack Number 1
Vial Numbers 35

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0026 ppm	71.3365 ppm	0.1595 ppm	0.0983 ppm	1.2264 ppm	0.0059 ppm	63.3642 ppm
Concentration per Run	0.0031 ppm	71.2482 ppm	0.1596 ppm	0.0993 ppm	1.2249 ppm	0.0059 ppm	63.3193 ppm
Concentration per Run	0.0024 ppm	71.0969 ppm	0.1605 ppm	0.0973 ppm	1.2226 ppm	0.0059 ppm	63.1879 ppm
Concentration per Run	0.0023 ppm	71.6644 ppm	0.1584 ppm	0.0984 ppm	1.2316 ppm	0.0058 ppm	63.5853 ppm
Concentration RSD	17.8 %	0.4 %	0.7 %	1.1 %	0.4 %	0.7 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0100 ppm	0.1165 ppm	0.2080 ppm	0.5224 ppm	249.4454 ppm	5.0885 ppm	0.1715 ppm
Concentration per Run	0.0100 ppm	0.1159 ppm	0.2080 ppm	0.5211 ppm	249.3677 ppm	5.1180 ppm	0.1724 ppm
Concentration per Run	0.0100 ppm	0.1171 ppm	0.2070 ppm	0.5217 ppm	248.6657 ppm	5.0519 ppm	0.1694 ppm
Concentration per Run	0.0100 ppm	0.1165 ppm	0.2089 ppm	0.5244 ppm	250.3027 ppm	5.0955 ppm	0.1726 ppm
Concentration RSD	0.1 %	0.5 %	0.5 %	0.3 %	0.3 %	0.7 %	1.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	31.3444 ppm	5.5799 ppm	0.0417 ppm	0.7143 ppm	0.2372 ppm	1.3904 ppm	0.0149 ppm
Concentration per Run	31.2930 ppm	5.5808 ppm	0.0415 ppm	0.7110 ppm	0.2361 ppm	1.3855 ppm	0.0147 ppm
Concentration per Run	31.4014 ppm	5.5561 ppm	0.0422 ppm	0.7096 ppm	0.2364 ppm	1.3929 ppm	0.0134 ppm
Concentration per Run	31.3387 ppm	5.6027 ppm	0.0413 ppm	0.7223 ppm	0.2392 ppm	1.3929 ppm	0.0166 ppm
Concentration RSD	0.2 %	0.4 %	1.2 %	1.0 %	0.7 %	0.3 %	10.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0123 ppm	4.4132 ppm	0.0655 ppm	0.2193 ppm	0.4732 ppm	-0.0004 ppm	0.1265 ppm
Concentration per Run	0.0099 ppm	4.4062 ppm	0.0650 ppm	0.2192 ppm	0.4719 ppm	-0.0018 ppm	0.1258 ppm
Concentration per Run	0.0155 ppm	4.4090 ppm	0.0646 ppm	0.2180 ppm	0.4739 ppm	-0.0006 ppm	0.1262 ppm
Concentration per Run	0.0116 ppm	4.4243 ppm	0.0669 ppm	0.2207 ppm	0.4739 ppm	0.0011 ppm	0.1273 ppm
Concentration RSD	23.4 %	0.2 %	1.9 %	0.6 %	0.2 %	322.7 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.4344 ppm	99.0889 %	102.1749 %	93.3084 %	111.6288 %	116.8037 %	113.3540 %
Concentration per Run	1.4309 ppm	99.6107 %	102.1130 %	93.6371 %	112.1959 %	116.6594 %	113.1098 %
Concentration per Run	1.4325 ppm	98.9051 %	103.0805 %	93.0105 %	111.3646 %	117.6605 %	113.3772 %
Concentration per Run	1.4398 ppm	98.7509 %	101.3312 %	93.2777 %	111.3259 %	116.0912 %	113.5749 %
Concentration RSD	0.3 %	0.5 %	0.9 %	0.3 %	0.4 %	0.7 %	0.2 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: CCV
Analysis started at: 11/28/2025 8:37:44 AM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5039 ppm	0.4904 ppm	0.4794 ppm	0.4899 ppm	0.4990 ppm	0.5057 ppm	0.4931 ppm
Concentration per Run	0.5009 ppm	0.4877 ppm	0.4778 ppm	0.4882 ppm	0.5004 ppm	0.5068 ppm	0.4945 ppm
Concentration per Run	0.5024 ppm	0.4910 ppm	0.4802 ppm	0.4900 ppm	0.4982 ppm	0.5043 ppm	0.4953 ppm
Concentration per Run	0.5084 ppm	0.4925 ppm	0.4803 ppm	0.4915 ppm	0.4985 ppm	0.5060 ppm	0.4894 ppm
Recovery Percentage	100.779 %	98.086 %	95.884 %	97.985 %	99.805 %	101.142 %	98.612 %
Concentration RSD	0.8 %	0.5 %	0.3 %	0.3 %	0.2 %	0.2 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5139 ppm	0.5116 ppm	0.5099 ppm	0.5152 ppm	0.5036 ppm	5.1311 ppm	0.5163 ppm
Concentration per Run	0.5111 ppm	0.5098 ppm	0.5043 ppm	0.5121 ppm	0.5016 ppm	5.1430 ppm	0.5235 ppm
Concentration per Run	0.5136 ppm	0.5093 ppm	0.5106 ppm	0.5160 ppm	0.5040 ppm	5.1365 ppm	0.5114 ppm
Concentration per Run	0.5171 ppm	0.5157 ppm	0.5146 ppm	0.5175 ppm	0.5052 ppm	5.1137 ppm	0.5140 ppm
Recovery Percentage	102.783 %	102.320 %	101.971 %	103.045 %	100.724 %	102.621 %	103.265 %
Concentration RSD	0.6 %	0.7 %	1.0 %	0.5 %	0.4 %	0.3 %	1.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5050 ppm	0.5076 ppm	0.4896 ppm	10.1312 ppm	0.5139 ppm	0.4939 ppm	0.5084 ppm
Concentration per Run	0.5041 ppm	0.5085 ppm	0.4870 ppm	10.1079 ppm	0.5117 ppm	0.4914 ppm	0.5089 ppm
Concentration per Run	0.5030 ppm	0.5068 ppm	0.4883 ppm	10.1458 ppm	0.5153 ppm	0.4949 ppm	0.5116 ppm
Concentration per Run	0.5079 ppm	0.5074 ppm	0.4935 ppm	10.1400 ppm	0.5148 ppm	0.4954 ppm	0.5046 ppm
Recovery Percentage	101.003 %	101.512 %	97.921 %	101.312 %	102.788 %	98.784 %	101.674 %
Concentration RSD	0.5 %	0.2 %	0.7 %	0.2 %	0.4 %	0.4 %	0.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4804 ppm	5.3936 ppm	0.4963 ppm	0.4937 ppm	0.4978 ppm	0.5000 ppm	0.5094 ppm
Concentration per Run	0.4821 ppm	5.3627 ppm	0.4957 ppm	0.4953 ppm	0.4979 ppm	0.5003 ppm	0.5063 ppm
Concentration per Run	0.4792 ppm	5.3780 ppm	0.4933 ppm	0.4931 ppm	0.4959 ppm	0.4984 ppm	0.5094 ppm
Concentration per Run	0.4798 ppm	5.4400 ppm	0.5000 ppm	0.4925 ppm	0.4995 ppm	0.5014 ppm	0.5125 ppm
Recovery Percentage	96.078 %	102.734 %	99.266 %	98.730 %	99.552 %	100.006 %	101.883 %
Concentration RSD	0.3 %	0.8 %	0.7 %	0.3 %	0.4 %	0.3 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5105 ppm	101.0813 %	99.3490 %	100.8762 %	98.7755 %	97.7073 %	99.6799 %
Concentration per Run	0.5083 ppm	101.4401 %	98.6811 %	101.7477 %	98.9760 %	97.2727 %	100.3510 %
Concentration per Run	0.5096 ppm	101.2197 %	99.9236 %	100.6290 %	99.3850 %	98.2755 %	99.4531 %
Concentration per Run	0.5135 ppm	100.5842 %	99.4423 %	100.2521 %	97.9656 %	97.5735 %	99.2355 %
Recovery Percentage	102.091 %						
Concentration RSD	0.5 %	0.4 %	0.6 %	0.8 %	0.7 %	0.5 %	0.6 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: CCB
Analysis started at: 11/28/2025 8:39:54 AM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0090 ppm	-0.0005 ppm	0.0013 ppm	0.0002 ppm	0.0000 ppm	-0.0009 ppm
Concentration per Run	0.0002 ppm	0.0086 ppm	-0.0009 ppm	0.0014 ppm	0.0002 ppm	0.0001 ppm	-0.0022 ppm
Concentration per Run	-0.0001 ppm	0.0075 ppm	-0.0019 ppm	0.0010 ppm	0.0002 ppm	0.0000 ppm	-0.0008 ppm
Concentration per Run	-0.0003 ppm	0.0111 ppm	0.0013 ppm	0.0017 ppm	0.0002 ppm	0.0001 ppm	0.0004 ppm
Recovery Percentage	-0.864 %	9.041 %	-10.184 %	4.492 %	2.081 %	1.137 %	-0.876 %
Concentration RSD	354.7 %	20.3 %	321.4 %	23.6 %	19.6 %	50.9 %	149.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0003 ppm	0.0002 ppm	-0.0002 ppm	0.0023 ppm	-0.0254 ppm	0.0018 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	-0.0002 ppm	-0.0001 ppm	0.0033 ppm	-0.0440 ppm	0.0015 ppm
Concentration per Run	0.0000 ppm	-0.0003 ppm	0.0000 ppm	-0.0001 ppm	0.0010 ppm	-0.0184 ppm	0.0027 ppm
Concentration per Run	0.0000 ppm	-0.0005 ppm	0.0007 ppm	-0.0003 ppm	0.0027 ppm	-0.0137 ppm	0.0012 ppm
Recovery Percentage	-0.514 %	-1.496 %	1.829 %	-1.557 %	4.652 %	-1.015 %	35.514 %
Concentration RSD	39.8 %	63.2 %	248.4 %	56.5 %	52.8 %	64.3 %	44.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0009 ppm	0.0000 ppm	-0.0001 ppm	-0.0067 ppm	-0.0002 ppm	-0.0016 ppm	0.0048 ppm
Concentration per Run	-0.0020 ppm	0.0002 ppm	0.0003 ppm	-0.0084 ppm	-0.0005 ppm	-0.0007 ppm	0.0071 ppm
Concentration per Run	-0.0012 ppm	-0.0001 ppm	-0.0006 ppm	-0.0054 ppm	-0.0005 ppm	-0.0025 ppm	0.0021 ppm
Concentration per Run	0.0005 ppm	-0.0001 ppm	0.0001 ppm	-0.0063 ppm	0.0004 ppm	-0.0016 ppm	0.0054 ppm
Recovery Percentage	-0.946 %	0.111 %	-0.191 %	-0.336 %	-0.847 %	-16.099 %	9.696 %
Concentration RSD	134.8 %	1,863.2 %	503.7 %	22.4 %	235.5 %	54.5 %	52.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0014 ppm	0.0129 ppm	0.0006 ppm	0.0001 ppm	-0.0002 ppm	0.0011 ppm	0.0001 ppm
Concentration per Run	-0.0018 ppm	0.0107 ppm	0.0014 ppm	0.0001 ppm	0.0000 ppm	0.0008 ppm	-0.0001 ppm
Concentration per Run	0.0029 ppm	0.0113 ppm	-0.0001 ppm	0.0001 ppm	-0.0004 ppm	0.0018 ppm	0.0001 ppm
Concentration per Run	0.0029 ppm	0.0165 ppm	0.0005 ppm	0.0000 ppm	-0.0002 ppm	0.0007 ppm	0.0003 ppm
Recovery Percentage	13.800 %	2.571 %	1.183 %	0.651 %	-2.084 %	5.535 %	1.229 %
Concentration RSD	196.7 %	24.9 %	126.0 %	57.1 %	103.7 %	56.0 %	150.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	99.2177 %	97.5637 %	99.7818 %	99.4977 %	97.4501 %	99.7014 %
Concentration per Run	0.0001 ppm	99.0795 %	97.9936 %	99.6496 %	99.2493 %	97.6571 %	99.4407 %
Concentration per Run	0.0002 ppm	99.5413 %	97.3669 %	99.7592 %	99.8630 %	97.8247 %	99.7310 %
Concentration per Run	0.0004 ppm	99.0322 %	97.3307 %	99.9366 %	99.3807 %	96.8686 %	99.9324 %
Recovery Percentage	4.951 %						
Concentration RSD	47.5 %	0.3 %	0.4 %	0.1 %	0.3 %	0.5 %	0.2 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: LDR 300 Fe Pass
Analysis started at: 11/28/2025 8:43:14 AM
Comment <Comment>
Rack Number 1
Vial Numbers 37

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0015 ppm	0.0022 ppm	-0.0008 ppm	0.0009 ppm	0.0002 ppm	0.0000 ppm	0.0128 ppm
Concentration per Run	0.0018 ppm	0.0063 ppm	-0.0012 ppm	-0.0005 ppm	0.0003 ppm	0.0001 ppm	0.0142 ppm
Concentration per Run	0.0013 ppm	0.0014 ppm	-0.0004 ppm	0.0023 ppm	0.0000 ppm	0.0000 ppm	0.0106 ppm
Concentration per Run	0.0014 ppm	-0.0010 ppm	-0.0008 ppm	0.0010 ppm	0.0002 ppm	0.0000 ppm	0.0136 ppm
Concentration RSD	19.6 %	164.9 %	54.0 %	149.8 %	75.1 %	81.5 %	15.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0009 ppm	0.0016 ppm	0.0000 ppm	0.0017 ppm	277.4262 ppm	-0.0114 ppm	0.0011 ppm
Concentration per Run	0.0009 ppm	0.0014 ppm	-0.0002 ppm	0.0025 ppm	276.3921 ppm	-0.0123 ppm	0.0009 ppm
Concentration per Run	0.0011 ppm	0.0019 ppm	0.0002 ppm	0.0008 ppm	279.4082 ppm	-0.0248 ppm	0.0001 ppm
Concentration per Run	0.0008 ppm	0.0017 ppm	0.0001 ppm	0.0017 ppm	276.4782 ppm	0.0027 ppm	0.0022 ppm
Concentration RSD	17.7 %	15.8 %	503.1 %	51.4 %	0.6 %	120.3 %	100.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0087 ppm	-0.0016 ppm	-0.0021 ppm	-0.0051 ppm	0.0007 ppm	-0.0026 ppm	-0.0040 ppm
Concentration per Run	0.0098 ppm	-0.0017 ppm	-0.0020 ppm	-0.0063 ppm	0.0019 ppm	-0.0014 ppm	-0.0045 ppm
Concentration per Run	0.0108 ppm	-0.0018 ppm	-0.0017 ppm	0.0006 ppm	-0.0003 ppm	-0.0019 ppm	-0.0078 ppm
Concentration per Run	0.0054 ppm	-0.0014 ppm	-0.0025 ppm	-0.0095 ppm	0.0005 ppm	-0.0046 ppm	0.0004 ppm
Concentration RSD	32.9 %	12.7 %	22.3 %	102.4 %	157.5 %	64.9 %	105.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0006 ppm	0.0096 ppm	0.0019 ppm	0.0004 ppm	-0.0002 ppm	0.0000 ppm	-0.0029 ppm
Concentration per Run	0.0003 ppm	0.0095 ppm	0.0028 ppm	0.0005 ppm	0.0003 ppm	0.0003 ppm	-0.0025 ppm
Concentration per Run	-0.0016 ppm	0.0099 ppm	0.0020 ppm	0.0003 ppm	-0.0008 ppm	-0.0006 ppm	-0.0031 ppm
Concentration per Run	-0.0006 ppm	0.0093 ppm	0.0008 ppm	0.0002 ppm	-0.0002 ppm	0.0003 ppm	-0.0031 ppm
Concentration RSD	152.3 %	3.3 %	54.6 %	38.6 %	269.8 %	3,042.9 %	12.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0011 ppm	100.3768 %	99.4573 %	97.2699 %	98.2052 %	98.1027 %	99.4533 %
Concentration per Run	0.0008 ppm	100.6399 %	99.8174 %	97.1608 %	98.2627 %	97.8867 %	99.3654 %
Concentration per Run	0.0009 ppm	99.7472 %	98.3354 %	97.5066 %	97.8011 %	97.9145 %	99.8175 %
Concentration per Run	0.0015 ppm	100.7434 %	100.2192 %	97.1425 %	98.5518 %	98.5071 %	99.1770 %
Concentration RSD	37.3 %	0.5 %	1.0 %	0.2 %	0.4 %	0.4 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574361-15D2 WG2146097
Analysis started at: 11/28/2025 8:53:19 AM
Comment rr for Sb LDR
Rack Number 1
Vial Numbers 36

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0234 ppm	21.8906 ppm	0.3876 ppm	0.1238 ppm	0.4924 ppm	0.0020 ppm	13.3172 ppm
Concentration per Run	0.0236 ppm	21.8771 ppm	0.3874 ppm	0.1241 ppm	0.4921 ppm	0.0020 ppm	13.2870 ppm
Concentration per Run	0.0231 ppm	22.0024 ppm	0.3840 ppm	0.1251 ppm	0.4959 ppm	0.0021 ppm	13.4189 ppm
Concentration per Run	0.0236 ppm	21.7923 ppm	0.3913 ppm	0.1221 ppm	0.4892 ppm	0.0020 ppm	13.2458 ppm
Concentration RSD	1.3 %	0.5 %	0.9 %	1.2 %	0.7 %	1.9 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0140 ppm	0.0304 ppm	0.2164 ppm	0.3384 ppm	64.0632 ppm	2.7712 ppm	0.0371 ppm
Concentration per Run	0.0139 ppm	0.0306 ppm	0.2145 ppm	0.3365 ppm	64.0503 ppm	2.7852 ppm	0.0382 ppm
Concentration per Run	0.0142 ppm	0.0306 ppm	0.2158 ppm	0.3376 ppm	64.5037 ppm	2.7681 ppm	0.0357 ppm
Concentration per Run	0.0140 ppm	0.0300 ppm	0.2190 ppm	0.3412 ppm	63.6354 ppm	2.7602 ppm	0.0374 ppm
Concentration RSD	0.9 %	1.1 %	1.1 %	0.7 %	0.7 %	0.5 %	3.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	7.8401 ppm	0.9275 ppm	0.0145 ppm	1.5368 ppm	0.1016 ppm	502.7922 ppm	7.5072 ppm
Concentration per Run	7.8140 ppm	0.9252 ppm	0.0147 ppm	1.5301 ppm	0.1002 ppm	503.9378 ppm	7.4618 ppm
Concentration per Run	7.8414 ppm	0.9348 ppm	0.0145 ppm	1.5531 ppm	0.1021 ppm	501.5972 ppm	7.5261 ppm
Concentration per Run	7.8649 ppm	0.9226 ppm	0.0144 ppm	1.5272 ppm	0.1025 ppm	502.8417 ppm	7.5336 ppm
Concentration RSD	0.3 %	0.7 %	1.2 %	0.9 %	1.2 %	0.2 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0061 ppm	3.1587 ppm	0.4030 ppm	0.0935 ppm	0.8882 ppm	-0.0055 ppm	0.4155 ppm
Concentration per Run	0.0073 ppm	3.1420 ppm	0.3992 ppm	0.0937 ppm	0.8831 ppm	-0.0051 ppm	0.4128 ppm
Concentration per Run	0.0058 ppm	3.1655 ppm	0.4074 ppm	0.0943 ppm	0.8885 ppm	-0.0043 ppm	0.4155 ppm
Concentration per Run	0.0052 ppm	3.1686 ppm	0.4025 ppm	0.0926 ppm	0.8930 ppm	-0.0070 ppm	0.4183 ppm
Concentration RSD	18.3 %	0.5 %	1.0 %	0.9 %	0.6 %	25.6 %	0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	4.9652 ppm	102.7244 %	104.6395 %	99.2521 %	104.6270 %	106.7017 %	104.3566 %
Concentration per Run	4.9190 ppm	103.5598 %	104.7049 %	99.4549 %	105.1934 %	106.6846 %	104.6365 %
Concentration per Run	4.9785 ppm	102.3952 %	103.2309 %	99.4489 %	104.2672 %	106.0581 %	104.8255 %
Concentration per Run	4.9980 ppm	102.2183 %	105.9828 %	98.8524 %	104.4203 %	107.3623 %	103.6079 %
Concentration RSD	0.8 %	0.7 %	1.3 %	0.3 %	0.5 %	0.6 %	0.6 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2575694-06D2 WG2147040
Analysis started at: 11/28/2025 8:56:22 AM
Comment <Comment>
Rack Number 1
Vial Numbers 48

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0010 ppm	16.2569 ppm	0.0456 ppm	0.0073 ppm	0.4971 ppm	0.0013 ppm	6.2159 ppm
Concentration per Run	0.0013 ppm	16.2680 ppm	0.0438 ppm	0.0079 ppm	0.4987 ppm	0.0013 ppm	6.2304 ppm
Concentration per Run	0.0011 ppm	16.1781 ppm	0.0440 ppm	0.0064 ppm	0.4937 ppm	0.0013 ppm	6.1699 ppm
Concentration per Run	0.0007 ppm	16.3247 ppm	0.0489 ppm	0.0074 ppm	0.4988 ppm	0.0013 ppm	6.2472 ppm
Concentration RSD	33.9 %	0.5 %	6.4 %	10.3 %	0.6 %	2.6 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0026 ppm	0.0067 ppm	0.0341 ppm	0.1299 ppm	28.5687 ppm	0.9209 ppm	0.0313 ppm
Concentration per Run	0.0026 ppm	0.0064 ppm	0.0337 ppm	0.1296 ppm	28.6853 ppm	0.9383 ppm	0.0322 ppm
Concentration per Run	0.0027 ppm	0.0069 ppm	0.0346 ppm	0.1300 ppm	28.3822 ppm	0.9198 ppm	0.0320 ppm
Concentration per Run	0.0025 ppm	0.0068 ppm	0.0339 ppm	0.1300 ppm	28.6387 ppm	0.9045 ppm	0.0297 ppm
Concentration RSD	3.0 %	4.1 %	1.4 %	0.2 %	0.6 %	1.8 %	4.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	1.8690 ppm	0.7170 ppm	0.0048 ppm	0.4194 ppm	0.0172 ppm	2.2691 ppm	0.0137 ppm
Concentration per Run	1.8632 ppm	0.7161 ppm	0.0044 ppm	0.4217 ppm	0.0172 ppm	2.2712 ppm	0.0086 ppm
Concentration per Run	1.8667 ppm	0.7131 ppm	0.0052 ppm	0.4217 ppm	0.0168 ppm	2.2717 ppm	0.0136 ppm
Concentration per Run	1.8772 ppm	0.7217 ppm	0.0047 ppm	0.4149 ppm	0.0176 ppm	2.2643 ppm	0.0190 ppm
Concentration RSD	0.4 %	0.6 %	8.3 %	0.9 %	2.5 %	0.2 %	37.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0199 ppm	3.1580 ppm	0.0325 ppm	0.1200 ppm	0.4972 ppm	0.0012 ppm	0.0685 ppm
Concentration per Run	0.0195 ppm	3.1638 ppm	0.0337 ppm	0.1201 ppm	0.4944 ppm	0.0010 ppm	0.0687 ppm
Concentration per Run	0.0235 ppm	3.1644 ppm	0.0311 ppm	0.1194 ppm	0.4979 ppm	0.0022 ppm	0.0689 ppm
Concentration per Run	0.0168 ppm	3.1459 ppm	0.0327 ppm	0.1205 ppm	0.4993 ppm	0.0006 ppm	0.0680 ppm
Concentration RSD	16.8 %	0.3 %	4.0 %	0.5 %	0.5 %	66.1 %	0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.7238 ppm	102.2937 %	101.3064 %	100.1233 %	102.4140 %	101.3827 %	102.7719 %
Concentration per Run	0.7200 ppm	102.7637 %	101.2631 %	99.8689 %	102.9766 %	101.7341 %	102.3779 %
Concentration per Run	0.7266 ppm	101.7409 %	101.2409 %	100.0218 %	101.9506 %	100.7830 %	102.8651 %
Concentration per Run	0.7247 ppm	102.3765 %	101.4152 %	100.4791 %	102.3148 %	101.6309 %	103.0727 %
Concentration RSD	0.5 %	0.5 %	0.1 %	0.3 %	0.5 %	0.5 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: CCV
Analysis started at: 11/28/2025 8:58:32 AM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5043 ppm	0.4809 ppm	0.4770 ppm	0.4882 ppm	0.4981 ppm	0.5050 ppm	0.4907 ppm
Concentration per Run	0.5035 ppm	0.4981 ppm	0.4769 ppm	0.4868 ppm	0.5006 ppm	0.5067 ppm	0.4898 ppm
Concentration per Run	0.5069 ppm	0.4731 ppm	0.4761 ppm	0.4897 ppm	0.4996 ppm	0.5058 ppm	0.4901 ppm
Concentration per Run	0.5024 ppm	0.4715 ppm	0.4780 ppm	0.4882 ppm	0.4940 ppm	0.5024 ppm	0.4922 ppm
Recovery Percentage	100.853 %	96.182 %	95.398 %	97.645 %	99.612 %	100.992 %	98.135 %
Concentration RSD	0.5 %	3.1 %	0.2 %	0.3 %	0.7 %	0.5 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5127 ppm	0.5128 ppm	0.5130 ppm	0.5194 ppm	0.4942 ppm	5.1117 ppm	0.5212 ppm
Concentration per Run	0.5110 ppm	0.5108 ppm	0.5101 ppm	0.5182 ppm	0.4955 ppm	5.1231 ppm	0.5216 ppm
Concentration per Run	0.5164 ppm	0.5154 ppm	0.5176 ppm	0.5224 ppm	0.4925 ppm	5.1368 ppm	0.5320 ppm
Concentration per Run	0.5106 ppm	0.5121 ppm	0.5114 ppm	0.5175 ppm	0.4945 ppm	5.0751 ppm	0.5101 ppm
Recovery Percentage	102.536 %	102.556 %	102.610 %	103.874 %	98.837 %	102.234 %	104.248 %
Concentration RSD	0.6 %	0.5 %	0.8 %	0.5 %	0.3 %	0.6 %	2.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5031 ppm	0.5044 ppm	0.4882 ppm	10.1305 ppm	0.5130 ppm	0.4977 ppm	0.5078 ppm
Concentration per Run	0.5040 ppm	0.5051 ppm	0.4858 ppm	10.1339 ppm	0.5110 ppm	0.4967 ppm	0.5081 ppm
Concentration per Run	0.5049 ppm	0.5034 ppm	0.4917 ppm	10.1911 ppm	0.5168 ppm	0.4967 ppm	0.5075 ppm
Concentration per Run	0.5005 ppm	0.5046 ppm	0.4871 ppm	10.0665 ppm	0.5111 ppm	0.4999 ppm	0.5076 ppm
Recovery Percentage	100.628 %	100.874 %	97.641 %	101.305 %	102.596 %	99.549 %	101.552 %
Concentration RSD	0.5 %	0.2 %	0.6 %	0.6 %	0.7 %	0.4 %	0.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4798 ppm	5.3805 ppm	0.4922 ppm	0.4922 ppm	0.4957 ppm	0.5005 ppm	0.5126 ppm
Concentration per Run	0.4849 ppm	5.3594 ppm	0.4919 ppm	0.4947 ppm	0.4961 ppm	0.4995 ppm	0.5114 ppm
Concentration per Run	0.4776 ppm	5.4108 ppm	0.4972 ppm	0.4935 ppm	0.4975 ppm	0.5001 ppm	0.5157 ppm
Concentration per Run	0.4769 ppm	5.3713 ppm	0.4875 ppm	0.4885 ppm	0.4934 ppm	0.5017 ppm	0.5107 ppm
Recovery Percentage	95.968 %	102.486 %	98.441 %	98.446 %	99.136 %	100.094 %	102.516 %
Concentration RSD	0.9 %	0.5 %	1.0 %	0.7 %	0.4 %	0.2 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5078 ppm	102.1131 %	100.4788 %	101.3646 %	100.6630 %	98.2482 %	100.1979 %
Concentration per Run	0.5061 ppm	102.2556 %	101.1090 %	101.4840 %	100.5589 %	99.1995 %	100.2408 %
Concentration per Run	0.5118 ppm	101.7123 %	101.1086 %	101.0695 %	100.4764 %	98.9262 %	99.8601 %
Concentration per Run	0.5056 ppm	102.3715 %	99.2188 %	101.5402 %	100.9538 %	96.6190 %	100.4927 %
Recovery Percentage	101.565 %						
Concentration RSD	0.7 %	0.3 %	1.1 %	0.3 %	0.3 %	1.4 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: CCB
Analysis started at: 11/28/2025 9:00:41 AM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	0.0063 ppm	-0.0022 ppm	0.0005 ppm	0.0000 ppm	0.0000 ppm	-0.0016 ppm
Concentration per Run	0.0003 ppm	0.0066 ppm	-0.0024 ppm	0.0004 ppm	0.0000 ppm	0.0000 ppm	-0.0016 ppm
Concentration per Run	0.0002 ppm	0.0111 ppm	-0.0021 ppm	-0.0004 ppm	0.0001 ppm	0.0000 ppm	-0.0022 ppm
Concentration per Run	0.0001 ppm	0.0010 ppm	-0.0022 ppm	0.0015 ppm	-0.0002 ppm	0.0000 ppm	-0.0009 ppm
Recovery Percentage	2.658 %	6.264 %	-44.078 %	1.663 %	-0.182 %	0.229 %	-1.562 %
Concentration RSD	61.8 %	80.9 %	6.3 %	196.9 %	744.3 %	250.3 %	43.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0002 ppm	-0.0005 ppm	-0.0002 ppm	0.0000 ppm	-0.0426 ppm	0.0037 ppm
Concentration per Run	0.0001 ppm	0.0002 ppm	-0.0003 ppm	-0.0002 ppm	-0.0007 ppm	-0.0337 ppm	0.0033 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	-0.0005 ppm	0.0001 ppm	-0.0003 ppm	-0.0673 ppm	0.0029 ppm
Concentration per Run	0.0002 ppm	0.0003 ppm	-0.0005 ppm	-0.0004 ppm	0.0010 ppm	-0.0268 ppm	0.0049 ppm
Recovery Percentage	1.686 %	1.242 %	-4.506 %	-1.659 %	-0.019 %	-1.704 %	73.799 %
Concentration RSD	81.9 %	21.7 %	30.8 %	126.2 %	9,775.0 %	50.8 %	27.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0004 ppm	-0.0001 ppm	0.0000 ppm	-0.0063 ppm	-0.0004 ppm	0.0000 ppm	0.0014 ppm
Concentration per Run	0.0002 ppm	0.0001 ppm	-0.0002 ppm	-0.0018 ppm	-0.0006 ppm	0.0003 ppm	-0.0016 ppm
Concentration per Run	-0.0008 ppm	-0.0004 ppm	0.0000 ppm	-0.0051 ppm	-0.0001 ppm	-0.0006 ppm	0.0025 ppm
Concentration per Run	-0.0007 ppm	-0.0001 ppm	0.0002 ppm	-0.0121 ppm	-0.0006 ppm	0.0003 ppm	0.0032 ppm
Recovery Percentage	-0.448 %	-1.457 %	-0.023 %	-0.316 %	-1.612 %	0.177 %	2.713 %
Concentration RSD	118.5 %	160.3 %	1,640.6 %	83.0 %	68.0 %	2,995.6 %	189.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0033 ppm	0.0047 ppm	0.0013 ppm	0.0001 ppm	0.0000 ppm	0.0007 ppm	-0.0001 ppm
Concentration per Run	0.0024 ppm	0.0049 ppm	0.0016 ppm	0.0001 ppm	-0.0002 ppm	0.0010 ppm	0.0000 ppm
Concentration per Run	0.0041 ppm	0.0058 ppm	0.0015 ppm	0.0001 ppm	0.0002 ppm	0.0002 ppm	-0.0001 ppm
Concentration per Run	0.0034 ppm	0.0034 ppm	0.0008 ppm	0.0001 ppm	-0.0001 ppm	0.0010 ppm	0.0000 ppm
Recovery Percentage	32.970 %	0.943 %	2.607 %	0.906 %	-0.319 %	3.641 %	-0.801 %
Concentration RSD	26.6 %	25.8 %	31.4 %	24.6 %	749.0 %	64.5 %	68.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0001 ppm	100.0934 %	98.2188 %	100.7772 %	100.5858 %	98.1987 %	100.6444 %
Concentration per Run	0.0003 ppm	100.9388 %	98.6237 %	100.3243 %	101.3382 %	98.0352 %	100.2226 %
Concentration per Run	0.0001 ppm	99.6551 %	98.1355 %	100.5563 %	100.1270 %	98.1005 %	100.3133 %
Concentration per Run	0.0000 ppm	99.6864 %	97.8973 %	101.4509 %	100.2924 %	98.4604 %	101.3972 %
Recovery Percentage	2.154 %						
Concentration RSD	143.4 %	0.7 %	0.4 %	0.6 %	0.7 %	0.2 %	0.6 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2147040-1 WG2147040
Analysis started at: 11/28/2025 9:31:19 AM
Comment <Comment>
Rack Number 1
Vial Numbers 38

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0464 ppm	-0.0006 ppm	-0.0007 ppm	0.0004 ppm	0.0001 ppm	0.0285 ppm
Concentration per Run	0.0000 ppm	0.0506 ppm	-0.0006 ppm	-0.0005 ppm	0.0003 ppm	0.0000 ppm	0.0309 ppm
Concentration per Run	-0.0001 ppm	0.0410 ppm	-0.0008 ppm	-0.0007 ppm	0.0004 ppm	0.0001 ppm	0.0240 ppm
Concentration per Run	-0.0003 ppm	0.0475 ppm	-0.0004 ppm	-0.0009 ppm	0.0005 ppm	0.0001 ppm	0.0304 ppm
Recovery Percentage	-2.007 %	46.362 %	-12.227 %	-2.272 %	3.854 %	1.543 %	28.452 %
Concentration RSD	112.1 %	10.5 %	36.8 %	33.2 %	19.7 %	65.2 %	13.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0001 ppm	-0.0002 ppm	0.0000 ppm	**0.0683 ppm**	-0.0125 ppm	**0.0027 ppm**
Concentration per Run	0.0000 ppm	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0672 ppm	-0.0265 ppm	-0.0004 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	-0.0002 ppm	-0.0001 ppm	0.0685 ppm	0.0036 ppm	0.0040 ppm
Concentration per Run	0.0000 ppm	-0.0004 ppm	-0.0001 ppm	0.0003 ppm	0.0692 ppm	-0.0145 ppm	0.0046 ppm
Recovery Percentage	-0.298 %	-0.399 %	-1.635 %	0.388 %	136.583 %	-0.498 %	54.602 %
Concentration RSD	19.0 %	398.1 %	54.1 %	528.1 %	**1.5 %**	121.8 %	**100.0 %**

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0173 ppm	0.0025 ppm	0.0000 ppm	-0.0051 ppm	-0.0001 ppm	-0.0006 ppm	0.0010 ppm
Concentration per Run	0.0167 ppm	0.0025 ppm	0.0001 ppm	-0.0095 ppm	-0.0008 ppm	-0.0008 ppm	0.0031 ppm
Concentration per Run	0.0171 ppm	0.0023 ppm	0.0000 ppm	-0.0053 ppm	0.0008 ppm	-0.0009 ppm	0.0005 ppm
Concentration per Run	0.0182 ppm	0.0026 ppm	0.0001 ppm	-0.0005 ppm	-0.0003 ppm	-0.0002 ppm	-0.0006 ppm
Recovery Percentage	17.326 %	24.615 %	0.086 %	-0.254 %	-0.491 %	-6.273 %	1.970 %
Concentration RSD	4.4 %	6.6 %	141.6 %	89.0 %	659.9 %	61.8 %	196.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0011 ppm	0.0535 ppm	0.0098 ppm	0.0003 ppm	0.0023 ppm	-0.0013 ppm	0.0000 ppm
Concentration per Run	0.0005 ppm	0.0532 ppm	0.0100 ppm	0.0002 ppm	0.0021 ppm	-0.0025 ppm	0.0003 ppm
Concentration per Run	0.0009 ppm	0.0534 ppm	0.0098 ppm	0.0002 ppm	0.0022 ppm	-0.0001 ppm	-0.0002 ppm
Concentration per Run	0.0020 ppm	0.0538 ppm	0.0097 ppm	0.0004 ppm	0.0026 ppm	-0.0012 ppm	-0.0001 ppm
Recovery Percentage	11.353 %	10.694 %	19.629 %	2.844 %	22.709 %	-6.273 %	0.201 %
Concentration RSD	65.3 %	0.6 %	1.6 %	47.4 %	12.5 %	93.4 %	1,364.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0020 ppm	102.5759 %	101.6297 %	101.6146 %	102.5414 %	100.8763 %	102.3975 %
Concentration per Run	0.0023 ppm	102.5320 %	102.5530 %	101.1071 %	102.2405 %	101.8873 %	102.3206 %
Concentration per Run	0.0021 ppm	102.5797 %	101.2632 %	101.6336 %	102.8139 %	100.0407 %	102.1676 %
Concentration per Run	0.0017 ppm	102.6159 %	101.0728 %	102.1032 %	102.5698 %	100.7008 %	102.7041 %
Recovery Percentage	40.177 %						
Concentration RSD	14.7 %	0.0 %	0.8 %	0.5 %	0.3 %	0.9 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2147040-2D2 WG2147040
Analysis started at: 11/28/2025 9:33:39 AM
Comment <Comment>
Rack Number 1
Vial Numbers 39

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.2159 ppm	16.3542 ppm	0.5395 ppm	0.8191 ppm	0.6799 ppm	0.9329 ppm	15.3574 ppm
Concentration per Run	0.2138 ppm	16.4346 ppm	0.5407 ppm	0.8136 ppm	0.6877 ppm	0.9376 ppm	15.5021 ppm
Concentration per Run	0.2163 ppm	16.3744 ppm	0.5376 ppm	0.8200 ppm	0.6787 ppm	0.9331 ppm	15.3233 ppm
Concentration per Run	0.2176 ppm	16.2536 ppm	0.5401 ppm	0.8238 ppm	0.6735 ppm	0.9279 ppm	15.2468 ppm
Concentration RSD	0.9 %	0.6 %	0.3 %	0.6 %	1.1 %	0.5 %	0.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.7661 ppm	0.5002 ppm	0.5036 ppm	0.9327 ppm	20.0240 ppm	6.9061 ppm	0.6347 ppm
Concentration per Run	0.7631 ppm	0.4985 ppm	0.5024 ppm	0.9325 ppm	20.1594 ppm	6.9843 ppm	0.6504 ppm
Concentration per Run	0.7674 ppm	0.5003 ppm	0.5055 ppm	0.9314 ppm	20.0632 ppm	6.8942 ppm	0.6292 ppm
Concentration per Run	0.7678 ppm	0.5019 ppm	0.5029 ppm	0.9343 ppm	19.8495 ppm	6.8397 ppm	0.6244 ppm
Concentration RSD	0.3 %	0.3 %	0.3 %	0.2 %	0.8 %	1.1 %	2.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	6.4782 ppm	0.8974 ppm	0.3542 ppm	6.0156 ppm	0.6077 ppm	0.3696 ppm	0.3469 ppm
Concentration per Run	6.4727 ppm	0.9033 ppm	0.3524 ppm	6.0771 ppm	0.6059 ppm	0.3714 ppm	0.3468 ppm
Concentration per Run	6.4767 ppm	0.8982 ppm	0.3530 ppm	6.0362 ppm	0.6067 ppm	0.3682 ppm	0.3452 ppm
Concentration per Run	6.4852 ppm	0.8906 ppm	0.3571 ppm	5.9334 ppm	0.6104 ppm	0.3690 ppm	0.3485 ppm
Concentration RSD	0.1 %	0.7 %	0.7 %	1.2 %	0.4 %	0.5 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4591 ppm	2.9329 ppm	0.5596 ppm	0.5623 ppm	1.2960 ppm	0.7167 ppm	0.5147 ppm
Concentration per Run	0.4613 ppm	2.9052 ppm	0.5574 ppm	0.5694 ppm	1.2924 ppm	0.7181 ppm	0.5123 ppm
Concentration per Run	0.4552 ppm	2.9449 ppm	0.5622 ppm	0.5621 ppm	1.2976 ppm	0.7168 ppm	0.5145 ppm
Concentration per Run	0.4608 ppm	2.9487 ppm	0.5593 ppm	0.5554 ppm	1.2979 ppm	0.7153 ppm	0.5171 ppm
Concentration RSD	0.7 %	0.8 %	0.4 %	1.2 %	0.2 %	0.2 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.3634 ppm	98.5446 %	100.1545 %	96.6666 %	100.1629 %	101.7859 %	100.5190 %
Concentration per Run	1.3586 ppm	98.3853 %	99.2627 %	96.4236 %	100.1057 %	101.0907 %	100.1980 %
Concentration per Run	1.3686 ppm	98.6534 %	100.5405 %	96.4769 %	99.9647 %	102.7408 %	100.3676 %
Concentration per Run	1.3630 ppm	98.5950 %	100.6601 %	97.0993 %	100.4181 %	101.5261 %	100.9914 %
Concentration RSD	0.4 %	0.1 %	0.8 %	0.4 %	0.2 %	0.8 %	0.4 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2147040-3D2 WG2147040
Analysis started at: 11/28/2025 9:35:49 AM
Comment <Comment>
Rack Number 1
Vial Numbers 40

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.2175 ppm	16.7200 ppm	0.5557 ppm	0.8294 ppm	0.7568 ppm	0.9544 ppm	15.6439 ppm
Concentration per Run	0.2165 ppm	16.7316 ppm	0.5592 ppm	0.8270 ppm	0.7584 ppm	0.9575 ppm	15.6824 ppm
Concentration per Run	0.2184 ppm	16.7668 ppm	0.5571 ppm	0.8316 ppm	0.7571 ppm	0.9535 ppm	15.6336 ppm
Concentration per Run	0.2177 ppm	16.6616 ppm	0.5508 ppm	0.8294 ppm	0.7550 ppm	0.9522 ppm	15.6159 ppm
Concentration RSD	0.4 %	0.3 %	0.8 %	0.3 %	0.2 %	0.3 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.7561 ppm	0.5125 ppm	0.5372 ppm	0.9518 ppm	20.5496 ppm	7.2357 ppm	0.6499 ppm
Concentration per Run	0.7531 ppm	0.5106 ppm	0.5364 ppm	0.9472 ppm	20.6006 ppm	7.2576 ppm	0.6489 ppm
Concentration per Run	0.7572 ppm	0.5150 ppm	0.5395 ppm	0.9552 ppm	20.5273 ppm	7.2371 ppm	0.6511 ppm
Concentration per Run	0.7581 ppm	0.5119 ppm	0.5357 ppm	0.9531 ppm	20.5209 ppm	7.2125 ppm	0.6496 ppm
Concentration RSD	0.4 %	0.4 %	0.4 %	0.4 %	0.2 %	0.3 %	0.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	6.5899 ppm	0.9284 ppm	0.3698 ppm	6.3391 ppm	0.6304 ppm	0.3770 ppm	0.3736 ppm
Concentration per Run	6.5685 ppm	0.9301 ppm	0.3693 ppm	6.3603 ppm	0.6282 ppm	0.3781 ppm	0.3702 ppm
Concentration per Run	6.5915 ppm	0.9279 ppm	0.3707 ppm	6.3418 ppm	0.6330 ppm	0.3757 ppm	0.3747 ppm
Concentration per Run	6.6097 ppm	0.9272 ppm	0.3694 ppm	6.3154 ppm	0.6301 ppm	0.3771 ppm	0.3760 ppm
Concentration RSD	0.3 %	0.2 %	0.2 %	0.4 %	0.4 %	0.3 %	0.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4766 ppm	2.7639 ppm	0.5654 ppm	0.5988 ppm	1.2982 ppm	0.7161 ppm	0.5405 ppm
Concentration per Run	0.4755 ppm	2.7448 ppm	0.5643 ppm	0.6001 ppm	1.2966 ppm	0.7179 ppm	0.5393 ppm
Concentration per Run	0.4754 ppm	2.7836 ppm	0.5675 ppm	0.5991 ppm	1.2914 ppm	0.7153 ppm	0.5424 ppm
Concentration per Run	0.4788 ppm	2.7632 ppm	0.5645 ppm	0.5973 ppm	1.3065 ppm	0.7150 ppm	0.5397 ppm
Concentration RSD	0.4 %	0.7 %	0.3 %	0.2 %	0.6 %	0.2 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.3855 ppm	98.4985 %	99.4205 %	96.4191 %	99.9252 %	101.1417 %	100.1867 %
Concentration per Run	1.3836 ppm	98.4975 %	98.8994 %	95.4520 %	99.7892 %	100.6518 %	99.2935 %
Concentration per Run	1.3882 ppm	98.3007 %	99.2295 %	96.6780 %	99.9768 %	101.0478 %	100.4516 %
Concentration per Run	1.3845 ppm	98.6974 %	100.1325 %	97.1272 %	100.0096 %	101.7254 %	100.8151 %
Concentration RSD	0.2 %	0.2 %	0.6 %	0.9 %	0.1 %	0.5 %	0.8 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2575694-01D2 WG2147040
Analysis started at: 11/28/2025 9:37:58 AM
Comment <Comment>
Rack Number 1
Vial Numbers 46

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0005 ppm	27.7166 ppm	0.0208 ppm	0.0066 ppm	0.1338 ppm	0.0011 ppm	2.2371 ppm
Concentration per Run	0.0006 ppm	27.7330 ppm	0.0212 ppm	0.0067 ppm	0.1337 ppm	0.0012 ppm	2.2431 ppm
Concentration per Run	0.0003 ppm	27.6994 ppm	0.0211 ppm	0.0059 ppm	0.1330 ppm	0.0012 ppm	2.2232 ppm
Concentration per Run	0.0006 ppm	27.7173 ppm	0.0200 ppm	0.0071 ppm	0.1347 ppm	0.0011 ppm	2.2449 ppm
Concentration RSD	36.1 %	0.1 %	3.2 %	8.8 %	0.6 %	2.2 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0007 ppm	0.0073 ppm	0.0572 ppm	0.0549 ppm	57.7032 ppm	1.7908 ppm	0.0252 ppm
Concentration per Run	0.0007 ppm	0.0068 ppm	0.0568 ppm	0.0550 ppm	57.6561 ppm	1.8411 ppm	0.0283 ppm
Concentration per Run	0.0007 ppm	0.0074 ppm	0.0566 ppm	0.0542 ppm	57.2296 ppm	1.7515 ppm	0.0228 ppm
Concentration per Run	0.0007 ppm	0.0076 ppm	0.0581 ppm	0.0555 ppm	58.2241 ppm	1.7798 ppm	0.0246 ppm
Concentration RSD	4.8 %	5.7 %	1.4 %	1.3 %	0.9 %	2.6 %	11.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	4.0018 ppm	0.7871 ppm	0.0025 ppm	0.2351 ppm	0.0192 ppm	0.3840 ppm	0.0056 ppm
Concentration per Run	3.9921 ppm	0.7877 ppm	0.0027 ppm	0.2394 ppm	0.0201 ppm	0.3848 ppm	0.0112 ppm
Concentration per Run	3.9989 ppm	0.7821 ppm	0.0025 ppm	0.2310 ppm	0.0190 ppm	0.3846 ppm	0.0020 ppm
Concentration per Run	4.0143 ppm	0.7915 ppm	0.0023 ppm	0.2348 ppm	0.0184 ppm	0.3826 ppm	0.0036 ppm
Concentration RSD	0.3 %	0.6 %	8.2 %	1.8 %	4.3 %	0.3 %	87.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0028 ppm	2.9518 ppm	0.0072 ppm	0.0248 ppm	0.8499 ppm	0.0002 ppm	0.0765 ppm
Concentration per Run	0.0021 ppm	2.9605 ppm	0.0077 ppm	0.0248 ppm	0.8505 ppm	0.0010 ppm	0.0762 ppm
Concentration per Run	0.0029 ppm	2.9416 ppm	0.0063 ppm	0.0246 ppm	0.8519 ppm	-0.0006 ppm	0.0761 ppm
Concentration per Run	0.0034 ppm	2.9534 ppm	0.0076 ppm	0.0250 ppm	0.8472 ppm	0.0003 ppm	0.0772 ppm
Concentration RSD	23.1 %	0.3 %	10.8 %	0.8 %	0.3 %	350.9 %	0.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1544 ppm	100.1182 %	100.9405 %	98.2400 %	99.9586 %	101.1792 %	100.8935 %
Concentration per Run	0.1533 ppm	100.0415 %	100.7840 %	98.2948 %	99.6349 %	100.8646 %	100.9419 %
Concentration per Run	0.1549 ppm	100.1877 %	101.6018 %	98.2681 %	100.0925 %	101.5939 %	100.8594 %
Concentration per Run	0.1549 ppm	100.1255 %	100.4356 %	98.1570 %	100.1485 %	101.0792 %	100.8792 %
Concentration RSD	0.6 %	0.1 %	0.6 %	0.1 %	0.3 %	0.4 %	0.0 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2575694-02D2 WG2147040
Analysis started at: 11/28/2025 9:40:08 AM
Comment <Comment>
Rack Number 1
Vial Numbers 47

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0005 ppm	32.7457 ppm	0.0249 ppm	0.0077 ppm	0.1201 ppm	0.0014 ppm	2.3863 ppm
Concentration per Run	0.0006 ppm	32.7736 ppm	0.0250 ppm	0.0075 ppm	0.1204 ppm	0.0013 ppm	2.3955 ppm
Concentration per Run	0.0004 ppm	32.7285 ppm	0.0240 ppm	0.0078 ppm	0.1199 ppm	0.0014 ppm	2.3733 ppm
Concentration per Run	0.0006 ppm	32.7350 ppm	0.0257 ppm	0.0077 ppm	0.1201 ppm	0.0013 ppm	2.3901 ppm
Concentration RSD	24.6 %	0.1 %	3.3 %	1.9 %	0.2 %	2.7 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0008 ppm	0.0092 ppm	0.0673 ppm	0.0595 ppm	58.7392 ppm	2.2055 ppm	0.0275 ppm
Concentration per Run	0.0007 ppm	0.0092 ppm	0.0670 ppm	0.0592 ppm	58.9435 ppm	2.2215 ppm	0.0279 ppm
Concentration per Run	0.0008 ppm	0.0094 ppm	0.0665 ppm	0.0592 ppm	58.5361 ppm	2.1923 ppm	0.0300 ppm
Concentration per Run	0.0008 ppm	0.0091 ppm	0.0685 ppm	0.0601 ppm	58.7380 ppm	2.2028 ppm	0.0245 ppm
Concentration RSD	7.5 %	1.9 %	1.5 %	0.8 %	0.3 %	0.7 %	10.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	4.6224 ppm	0.4398 ppm	0.0026 ppm	0.2430 ppm	0.0221 ppm	0.3927 ppm	0.0023 ppm
Concentration per Run	4.6038 ppm	0.4404 ppm	0.0028 ppm	0.2498 ppm	0.0211 ppm	0.3904 ppm	0.0032 ppm
Concentration per Run	4.6255 ppm	0.4381 ppm	0.0023 ppm	0.2425 ppm	0.0240 ppm	0.3953 ppm	0.0032 ppm
Concentration per Run	4.6378 ppm	0.4410 ppm	0.0028 ppm	0.2367 ppm	0.0211 ppm	0.3925 ppm	0.0005 ppm
Concentration RSD	0.4 %	0.3 %	11.3 %	2.7 %	7.6 %	0.6 %	66.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0039 ppm	2.5534 ppm	0.0084 ppm	0.0251 ppm	0.9164 ppm	-0.0008 ppm	0.0938 ppm
Concentration per Run	0.0031 ppm	2.5508 ppm	0.0088 ppm	0.0251 ppm	0.9116 ppm	-0.0015 ppm	0.0939 ppm
Concentration per Run	0.0036 ppm	2.5541 ppm	0.0087 ppm	0.0250 ppm	0.9167 ppm	-0.0012 ppm	0.0935 ppm
Concentration per Run	0.0051 ppm	2.5554 ppm	0.0078 ppm	0.0251 ppm	0.9208 ppm	0.0001 ppm	0.0942 ppm
Concentration RSD	26.6 %	0.1 %	6.9 %	0.4 %	0.5 %	100.0 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1722 ppm	99.8778 %	101.0621 %	98.0224 %	99.9306 %	101.5393 %	101.3318 %
Concentration per Run	0.1718 ppm	100.3630 %	100.1023 %	97.8361 %	100.3214 %	100.7597 %	101.1231 %
Concentration per Run	0.1722 ppm	99.5790 %	102.1354 %	97.7270 %	99.7855 %	102.4395 %	101.2628 %
Concentration per Run	0.1726 ppm	99.6913 %	100.9486 %	98.5040 %	99.6850 %	101.4188 %	101.6096 %
Concentration RSD	0.2 %	0.4 %	1.0 %	0.4 %	0.3 %	0.8 %	0.2 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2575694-03D2 WG2147040
Analysis started at: 11/28/2025 9:42:17 AM
Comment <Comment>
Rack Number 1
Vial Numbers 41

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0004 ppm	11.2309 ppm	0.0247 ppm	0.0038 ppm	0.5726 ppm	0.0008 ppm	5.0202 ppm
Concentration per Run	0.0006 ppm	11.2401 ppm	0.0239 ppm	0.0046 ppm	0.5738 ppm	0.0008 ppm	5.0162 ppm
Concentration per Run	0.0001 ppm	11.2347 ppm	0.0264 ppm	0.0028 ppm	0.5708 ppm	0.0008 ppm	5.0374 ppm
Concentration per Run	0.0003 ppm	11.2180 ppm	0.0240 ppm	0.0042 ppm	0.5732 ppm	0.0008 ppm	5.0070 ppm
Concentration RSD	75.2 %	0.1 %	5.7 %	24.5 %	0.3 %	2.4 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0434 ppm	0.0041 ppm	0.0308 ppm	0.0552 ppm	19.4157 ppm	0.6744 ppm	0.0195 ppm
Concentration per Run	0.0435 ppm	0.0042 ppm	0.0312 ppm	0.0549 ppm	19.4491 ppm	0.7122 ppm	0.0209 ppm
Concentration per Run	0.0432 ppm	0.0038 ppm	0.0302 ppm	0.0557 ppm	19.3046 ppm	0.6676 ppm	0.0197 ppm
Concentration per Run	0.0435 ppm	0.0045 ppm	0.0312 ppm	0.0551 ppm	19.4935 ppm	0.6434 ppm	0.0180 ppm
Concentration RSD	0.4 %	8.5 %	1.9 %	0.7 %	0.5 %	5.2 %	7.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.9371 ppm	0.3271 ppm	0.0013 ppm	0.1866 ppm	0.0219 ppm	0.6485 ppm	0.0021 ppm
Concentration per Run	0.9403 ppm	0.3268 ppm	0.0014 ppm	0.1870 ppm	0.0211 ppm	0.6487 ppm	0.0031 ppm
Concentration per Run	0.9376 ppm	0.3282 ppm	0.0013 ppm	0.1901 ppm	0.0226 ppm	0.6464 ppm	-0.0007 ppm
Concentration per Run	0.9333 ppm	0.3262 ppm	0.0013 ppm	0.1826 ppm	0.0219 ppm	0.6504 ppm	0.0039 ppm
Concentration RSD	0.4 %	0.3 %	4.8 %	2.0 %	3.4 %	0.3 %	115.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0055 ppm	2.1586 ppm	0.0144 ppm	0.0769 ppm	0.4142 ppm	-0.0002 ppm	0.0467 ppm
Concentration per Run	0.0045 ppm	2.1437 ppm	0.0141 ppm	0.0768 ppm	0.4123 ppm	-0.0012 ppm	0.0467 ppm
Concentration per Run	0.0043 ppm	2.1584 ppm	0.0139 ppm	0.0766 ppm	0.4182 ppm	0.0004 ppm	0.0470 ppm
Concentration per Run	0.0077 ppm	2.1736 ppm	0.0152 ppm	0.0771 ppm	0.4122 ppm	0.0001 ppm	0.0463 ppm
Concentration RSD	34.6 %	0.7 %	4.6 %	0.3 %	0.8 %	335.8 %	0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	6.8411 ppm	99.8309 %	99.7247 %	98.4845 %	99.0371 %	99.2003 %	99.7099 %
Concentration per Run	6.8545 ppm	99.7912 %	100.2786 %	98.7900 %	98.9308 %	99.8247 %	99.9572 %
Concentration per Run	6.8499 ppm	99.5892 %	99.6769 %	98.8133 %	98.9994 %	99.4605 %	100.0554 %
Concentration per Run	6.8189 ppm	100.1124 %	99.2185 %	97.8501 %	99.1811 %	98.3158 %	99.1171 %
Concentration RSD	0.3 %	0.3 %	0.5 %	0.6 %	0.1 %	0.8 %	0.5 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: zWG2147040-4D2 WG2147040
Analysis started at: 11/28/2025 9:44:27 AM
Comment <Comment>
Rack Number 1
Vial Numbers 42

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0335 ppm	12.0329 ppm	0.1004 ppm	0.6943 ppm	1.7703 ppm	0.0343 ppm	11.2840 ppm
Concentration per Run	0.0335 ppm	12.0372 ppm	0.0991 ppm	0.6948 ppm	1.7737 ppm	0.0343 ppm	11.2698 ppm
Concentration per Run	0.0332 ppm	12.1081 ppm	0.0991 ppm	0.6898 ppm	1.7749 ppm	0.0344 ppm	11.3553 ppm
Concentration per Run	0.0339 ppm	11.9533 ppm	0.1030 ppm	0.6984 ppm	1.7624 ppm	0.0341 ppm	11.2271 ppm
Concentration RSD	1.0 %	0.6 %	2.2 %	0.6 %	0.4 %	0.5 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0708 ppm	0.3320 ppm	0.1460 ppm	0.2179 ppm	14.1950 ppm	7.8231 ppm	0.7924 ppm
Concentration per Run	0.0707 ppm	0.3318 ppm	0.1476 ppm	0.2187 ppm	14.2363 ppm	7.8712 ppm	0.8087 ppm
Concentration per Run	0.0704 ppm	0.3299 ppm	0.1436 ppm	0.2159 ppm	14.2457 ppm	7.8166 ppm	0.7904 ppm
Concentration per Run	0.0712 ppm	0.3343 ppm	0.1467 ppm	0.2191 ppm	14.1030 ppm	7.7815 ppm	0.7780 ppm
Concentration RSD	0.5 %	0.7 %	1.4 %	0.8 %	0.6 %	0.6 %	2.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	7.9620 ppm	0.5957 ppm	0.6919 ppm	7.5086 ppm	0.3509 ppm	0.9968 ppm	0.2629 ppm
Concentration per Run	7.9553 ppm	0.5961 ppm	0.6925 ppm	7.5144 ppm	0.3502 ppm	0.9977 ppm	0.2632 ppm
Concentration per Run	7.8908 ppm	0.5986 ppm	0.6872 ppm	7.5388 ppm	0.3491 ppm	0.9974 ppm	0.2630 ppm
Concentration per Run	8.0399 ppm	0.5923 ppm	0.6960 ppm	7.4726 ppm	0.3533 ppm	0.9953 ppm	0.2624 ppm
Concentration RSD	0.9 %	0.5 %	0.6 %	0.4 %	0.6 %	0.1 %	0.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0842 ppm	3.4445 ppm	0.6950 ppm	0.7562 ppm	0.9231 ppm	0.0850 ppm	0.3727 ppm
Concentration per Run	0.0858 ppm	3.4488 ppm	0.6979 ppm	0.7577 ppm	0.9231 ppm	0.0839 ppm	0.3736 ppm
Concentration per Run	0.0852 ppm	3.4364 ppm	0.6877 ppm	0.7582 ppm	0.9136 ppm	0.0868 ppm	0.3703 ppm
Concentration per Run	0.0815 ppm	3.4484 ppm	0.6993 ppm	0.7528 ppm	0.9326 ppm	0.0843 ppm	0.3744 ppm
Concentration RSD	2.8 %	0.2 %	0.9 %	0.4 %	1.0 %	1.9 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	5.6700 ppm	99.1966 %	100.0571 %	96.9383 %	98.1179 %	99.1848 %	98.3355 %
Concentration per Run	5.6760 ppm	99.4258 %	99.8267 %	96.4455 %	98.3605 %	99.2610 %	98.0507 %
Concentration per Run	5.6134 ppm	99.8148 %	99.7128 %	97.2000 %	98.3572 %	98.9561 %	98.5488 %
Concentration per Run	5.7208 ppm	98.3492 %	100.6318 %	97.1693 %	97.6358 %	99.3374 %	98.4069 %
Concentration RSD	1.0 %	0.8 %	0.5 %	0.4 %	0.4 %	0.2 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2147040-5D2 WG2147040
Analysis started at: 11/28/2025 9:46:36 AM
Comment <Comment>
Rack Number 1
Vial Numbers 43

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0473 ppm	15.1621 ppm	0.1421 ppm	0.9809 ppm	2.6043 ppm	0.0483 ppm	16.4474 ppm
Concentration per Run	0.0475 ppm	15.1466 ppm	0.1396 ppm	0.9756 ppm	2.6079 ppm	0.0483 ppm	16.5187 ppm
Concentration per Run	0.0471 ppm	15.1284 ppm	0.1432 ppm	0.9734 ppm	2.5939 ppm	0.0482 ppm	16.4109 ppm
Concentration per Run	0.0471 ppm	15.2112 ppm	0.1435 ppm	0.9936 ppm	2.6111 ppm	0.0483 ppm	16.4127 ppm
Concentration RSD	0.4 %	0.3 %	1.5 %	1.1 %	0.4 %	0.1 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.1103 ppm	0.4675 ppm	0.2049 ppm	0.3002 ppm	18.3310 ppm	10.9933 ppm	1.0896 ppm
Concentration per Run	0.1099 ppm	0.4668 ppm	0.2051 ppm	0.2991 ppm	18.4453 ppm	11.0213 ppm	1.1000 ppm
Concentration per Run	0.1095 ppm	0.4647 ppm	0.2023 ppm	0.2985 ppm	18.2132 ppm	10.9471 ppm	1.0781 ppm
Concentration per Run	0.1116 ppm	0.4710 ppm	0.2074 ppm	0.3030 ppm	18.3345 ppm	11.0116 ppm	1.0908 ppm
Concentration RSD	1.0 %	0.7 %	1.2 %	0.8 %	0.6 %	0.4 %	1.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	11.1308 ppm	0.7931 ppm	0.9819 ppm	10.4599 ppm	0.4933 ppm	1.2850 ppm	0.3937 ppm
Concentration per Run	11.0919 ppm	0.7932 ppm	0.9781 ppm	10.5540 ppm	0.4922 ppm	1.2808 ppm	0.3910 ppm
Concentration per Run	11.1208 ppm	0.7907 ppm	0.9773 ppm	10.4106 ppm	0.4904 ppm	1.2841 ppm	0.3906 ppm
Concentration per Run	11.1796 ppm	0.7953 ppm	0.9903 ppm	10.4150 ppm	0.4974 ppm	1.2901 ppm	0.3994 ppm
Concentration RSD	0.4 %	0.3 %	0.7 %	0.8 %	0.7 %	0.4 %	1.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1231 ppm	4.8308 ppm	0.9829 ppm	1.0724 ppm	1.3391 ppm	0.1168 ppm	0.5283 ppm
Concentration per Run	0.1216 ppm	4.8244 ppm	0.9786 ppm	1.0781 ppm	1.3401 ppm	0.1177 ppm	0.5252 ppm
Concentration per Run	0.1220 ppm	4.7792 ppm	0.9787 ppm	1.0675 ppm	1.3330 ppm	0.1150 ppm	0.5248 ppm
Concentration per Run	0.1258 ppm	4.8888 ppm	0.9913 ppm	1.0715 ppm	1.3442 ppm	0.1176 ppm	0.5349 ppm
Concentration RSD	1.9 %	1.1 %	0.7 %	0.5 %	0.4 %	1.3 %	1.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	8.9852 ppm	100.3570 %	101.1530 %	96.6526 %	99.4892 %	100.4290 %	98.7656 %
Concentration per Run	8.9611 ppm	100.4837 %	101.4602 %	97.1587 %	99.3198 %	101.0561 %	99.2779 %
Concentration per Run	8.9165 ppm	100.7064 %	101.2885 %	96.7566 %	99.6534 %	100.2917 %	98.6066 %
Concentration per Run	9.0779 ppm	99.8811 %	100.7102 %	96.0424 %	99.4943 %	99.9390 %	98.4121 %
Concentration RSD	0.9 %	0.4 %	0.4 %	0.6 %	0.2 %	0.6 %	0.5 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2147040-6D2 WG2147040
Analysis started at: 11/28/2025 9:48:45 AM
Comment <Comment>
Rack Number 1
Vial Numbers 44

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0461 ppm	12.7978 ppm	0.1382 ppm	1.0085 ppm	2.4248 ppm	0.0480 ppm	15.1729 ppm
Concentration per Run	0.0467 ppm	12.6992 ppm	0.1366 ppm	1.0082 ppm	2.3922 ppm	0.0475 ppm	15.1103 ppm
Concentration per Run	0.0452 ppm	12.8736 ppm	0.1395 ppm	1.0034 ppm	2.4443 ppm	0.0482 ppm	15.2378 ppm
Concentration per Run	0.0463 ppm	12.8205 ppm	0.1384 ppm	1.0138 ppm	2.4380 ppm	0.0482 ppm	15.1705 ppm
Concentration RSD	1.6 %	0.7 %	1.0 %	0.5 %	1.2 %	0.8 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0943 ppm	0.4652 ppm	0.2175 ppm	0.2902 ppm	19.6432 ppm	11.0112 ppm	0.0176 ppm
Concentration per Run	0.0944 ppm	0.4643 ppm	0.2171 ppm	0.2909 ppm	19.4777 ppm	10.8579 ppm	0.0174 ppm
Concentration per Run	0.0939 ppm	0.4644 ppm	0.2159 ppm	0.2888 ppm	19.6971 ppm	11.0996 ppm	0.0173 ppm
Concentration per Run	0.0947 ppm	0.4669 ppm	0.2195 ppm	0.2909 ppm	19.7548 ppm	11.0761 ppm	0.0180 ppm
Concentration RSD	0.4 %	0.3 %	0.9 %	0.4 %	0.7 %	1.2 %	2.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	11.0881 ppm	0.7825 ppm	1.0037 ppm	10.6720 ppm	0.4883 ppm	1.1412 ppm	0.4881 ppm
Concentration per Run	11.1167 ppm	0.7768 ppm	1.0042 ppm	10.5707 ppm	0.4890 ppm	1.1437 ppm	0.4919 ppm
Concentration per Run	11.0145 ppm	0.7871 ppm	1.0013 ppm	10.7101 ppm	0.4877 ppm	1.1454 ppm	0.4850 ppm
Concentration per Run	11.1331 ppm	0.7837 ppm	1.0057 ppm	10.7353 ppm	0.4881 ppm	1.1344 ppm	0.4875 ppm
Concentration RSD	0.6 %	0.7 %	0.2 %	0.8 %	0.1 %	0.5 %	0.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1217 ppm	3.3042 ppm	1.0156 [SIC 50]	1.0582 ppm	1.4066 ppm	0.1185 ppm	0.5234 ppm
Concentration per Run	0.1216 ppm	3.2998 ppm	1.0196 ppm	1.0440 ppm	1.4119 ppm	0.1195 ppm	0.5237 ppm
Concentration per Run	0.1216 ppm	3.2986 ppm	1.0133 ppm	1.0682 ppm	1.4027 ppm	0.1173 ppm	0.5210 ppm
Concentration per Run	0.1218 ppm	3.3141 ppm	1.0140 ppm	1.0625 ppm	1.4051 ppm	0.1188 ppm	0.5255 ppm
Concentration RSD	0.1 %	0.3 %	0.3 %	1.2 %	0.3 %	0.9 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	7.0661 ppm	98.7316 %	99.6830 %	96.5634 %	97.9118 %	99.4094 %	98.3985 %
Concentration per Run	7.0817 ppm	98.5934 %	100.5544 %	96.5817 %	97.7169 %	99.8764 %	98.3842 %
Concentration per Run	7.0300 ppm	99.0798 %	98.9287 %	95.9039 %	98.0724 %	98.8576 %	97.7640 %
Concentration per Run	7.0868 ppm	98.5216 %	99.5660 %	97.2047 %	97.9462 %	99.4943 %	99.0473 %
Concentration RSD	0.4 %	0.3 %	0.8 %	0.7 %	0.2 %	0.5 %	0.7 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2147040-7D10 WG2147040
Analysis started at: 11/28/2025 9:50:55 AM
Comment <Comment>
Rack Number 1
Vial Numbers 45

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	2.3544 ppm	0.0049 ppm	0.0013 ppm	0.1177 ppm	0.0002 ppm	1.0084 ppm
Concentration per Run	0.0002 ppm	2.3709 ppm	0.0038 ppm	0.0006 ppm	0.1183 ppm	0.0002 ppm	1.0138 ppm
Concentration per Run	0.0004 ppm	2.3269 ppm	0.0052 ppm	0.0006 ppm	0.1168 ppm	0.0002 ppm	1.0025 ppm
Concentration per Run	-0.0005 ppm	2.3655 ppm	0.0057 ppm	0.0027 ppm	0.1179 ppm	0.0002 ppm	1.0089 ppm
Concentration RSD	1,878.8 %	1.0 %	19.7 %	92.3 %	0.7 %	13.1 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0088 ppm	0.0007 ppm	0.0060 ppm	0.0113 ppm	3.9705 ppm	0.1307 ppm	0.0049 ppm
Concentration per Run	0.0087 ppm	0.0005 ppm	0.0058 ppm	0.0111 ppm	3.9851 ppm	0.1337 ppm	0.0058 ppm
Concentration per Run	0.0088 ppm	0.0007 ppm	0.0061 ppm	0.0114 ppm	3.9436 ppm	0.1209 ppm	0.0035 ppm
Concentration per Run	0.0090 ppm	0.0009 ppm	0.0063 ppm	0.0116 ppm	3.9827 ppm	0.1376 ppm	0.0053 ppm
Concentration RSD	1.8 %	31.6 %	4.2 %	1.9 %	0.6 %	6.7 %	25.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.2013 ppm	0.0662 ppm	0.0003 ppm	0.0329 ppm	0.0046 ppm	0.1297 ppm	0.0038 ppm
Concentration per Run	0.2006 ppm	0.0668 ppm	-0.0002 ppm	0.0324 ppm	0.0042 ppm	0.1295 ppm	0.0069 ppm
Concentration per Run	0.2003 ppm	0.0653 ppm	0.0005 ppm	0.0340 ppm	0.0052 ppm	0.1304 ppm	0.0040 ppm
Concentration per Run	0.2030 ppm	0.0666 ppm	0.0008 ppm	0.0322 ppm	0.0045 ppm	0.1291 ppm	0.0005 ppm
Concentration RSD	0.7 %	1.2 %	159.0 %	3.0 %	10.7 %	0.5 %	84.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0045 ppm	0.6407 ppm	0.0033 ppm	0.0158 ppm	0.0917 ppm	0.0002 ppm	0.0094 ppm
Concentration per Run	0.0022 ppm	0.6393 ppm	0.0039 ppm	0.0159 ppm	0.0916 ppm	0.0001 ppm	0.0092 ppm
Concentration per Run	0.0062 ppm	0.6485 ppm	0.0037 ppm	0.0156 ppm	0.0920 ppm	-0.0005 ppm	0.0094 ppm
Concentration per Run	0.0050 ppm	0.6344 ppm	0.0022 ppm	0.0158 ppm	0.0915 ppm	0.0010 ppm	0.0096 ppm
Concentration RSD	46.7 %	1.1 %	28.9 %	1.0 %	0.3 %	376.1 %	1.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.4173 ppm	99.7340 %	99.3826 %	100.9629 %	98.9218 %	98.5186 %	100.0631 %
Concentration per Run	1.4163 ppm	99.3818 %	99.2702 %	101.2610 %	98.3193 %	99.4501 %	100.4566 %
Concentration per Run	1.4165 ppm	100.1525 %	99.9816 %	100.7171 %	99.1675 %	97.8258 %	99.6486 %
Concentration per Run	1.4192 ppm	99.6677 %	98.8959 %	100.9106 %	99.2786 %	98.2798 %	100.0842 %
Concentration RSD	0.1 %	0.4 %	0.6 %	0.3 %	0.5 %	0.9 %	0.4 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: CCV
Analysis started at: 11/28/2025 9:53:04 AM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4997 ppm	0.4794 ppm	0.4753 ppm	0.4848 ppm	0.4958 ppm	0.5006 ppm	0.4876 ppm
Concentration per Run	0.4985 ppm	0.4643 ppm	0.4759 ppm	0.4849 ppm	0.4949 ppm	0.5003 ppm	0.4821 ppm
Concentration per Run	0.5014 ppm	0.4884 ppm	0.4732 ppm	0.4863 ppm	0.4962 ppm	0.5017 ppm	0.4917 ppm
Concentration per Run	0.4992 ppm	0.4856 ppm	0.4768 ppm	0.4831 ppm	0.4961 ppm	0.4998 ppm	0.4891 ppm
Recovery Percentage	99.942 %	95.886 %	95.059 %	96.950 %	99.153 %	100.128 %	97.529 %
Concentration RSD	0.3 %	2.8 %	0.4 %	0.3 %	0.1 %	0.2 %	1.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5091 ppm	0.5070 ppm	0.5074 ppm	0.5147 ppm	0.4905 ppm	5.0962 ppm	0.5120 ppm
Concentration per Run	0.5089 ppm	0.5061 ppm	0.5062 ppm	0.5146 ppm	0.4917 ppm	5.0937 ppm	0.5146 ppm
Concentration per Run	0.5089 ppm	0.5083 ppm	0.5075 ppm	0.5156 ppm	0.4892 ppm	5.1184 ppm	0.5083 ppm
Concentration per Run	0.5095 ppm	0.5066 ppm	0.5084 ppm	0.5138 ppm	0.4906 ppm	5.0766 ppm	0.5131 ppm
Recovery Percentage	101.820 %	101.398 %	101.474 %	102.938 %	98.098 %	101.924 %	102.396 %
Concentration RSD	0.1 %	0.2 %	0.2 %	0.2 %	0.3 %	0.4 %	0.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4999 ppm	0.5031 ppm	0.4846 ppm	10.0690 ppm	0.5087 ppm	0.4891 ppm	0.5033 ppm
Concentration per Run	0.5004 ppm	0.5023 ppm	0.4826 ppm	10.0013 ppm	0.5090 ppm	0.4884 ppm	0.5041 ppm
Concentration per Run	0.4994 ppm	0.5038 ppm	0.4864 ppm	10.1479 ppm	0.5100 ppm	0.4899 ppm	0.5002 ppm
Concentration per Run	0.4999 ppm	0.5032 ppm	0.4847 ppm	10.0577 ppm	0.5073 ppm	0.4890 ppm	0.5057 ppm
Recovery Percentage	99.984 %	100.625 %	96.914 %	100.690 %	101.747 %	97.819 %	100.668 %
Concentration RSD	0.1 %	0.1 %	0.4 %	0.7 %	0.3 %	0.2 %	0.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4723 ppm	5.3154 ppm	0.4878 ppm	0.4896 ppm	0.4935 ppm	0.4957 ppm	0.5057 ppm
Concentration per Run	0.4710 ppm	5.2863 ppm	0.4881 ppm	0.4890 ppm	0.4937 ppm	0.4952 ppm	0.5050 ppm
Concentration per Run	0.4724 ppm	5.3355 ppm	0.4881 ppm	0.4907 ppm	0.4936 ppm	0.4959 ppm	0.5070 ppm
Concentration per Run	0.4734 ppm	5.3243 ppm	0.4873 ppm	0.4891 ppm	0.4932 ppm	0.4960 ppm	0.5051 ppm
Recovery Percentage	94.452 %	101.245 %	97.562 %	97.924 %	98.698 %	99.137 %	101.141 %
Concentration RSD	0.2 %	0.5 %	0.1 %	0.2 %	0.0 %	0.1 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5042 ppm	100.4382 %	99.4209 %	99.9506 %	98.3772 %	97.9972 %	98.4790 %
Concentration per Run	0.5042 ppm	100.6374 %	98.9038 %	100.4175 %	98.5348 %	96.7418 %	98.9712 %
Concentration per Run	0.5035 ppm	100.2376 %	99.9080 %	99.7904 %	98.1766 %	99.1403 %	98.4338 %
Concentration per Run	0.5048 ppm	100.4396 %	99.4510 %	99.6439 %	98.4204 %	98.1096 %	98.0321 %
Recovery Percentage	100.835 %						
Concentration RSD	0.1 %	0.2 %	0.5 %	0.4 %	0.2 %	1.2 %	0.5 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: CCB
Analysis started at: 11/28/2025 9:55:14 AM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	0.0094 ppm	-0.0002 ppm	0.0016 ppm	0.0002 ppm	0.0000 ppm	-0.0048 ppm
Concentration per Run	0.0001 ppm	0.0101 ppm	-0.0007 ppm	0.0023 ppm	0.0002 ppm	0.0001 ppm	-0.0045 ppm
Concentration per Run	0.0004 ppm	0.0195 ppm	0.0007 ppm	0.0000 ppm	0.0002 ppm	0.0000 ppm	-0.0046 ppm
Concentration per Run	0.0003 ppm	-0.0015 ppm	-0.0005 ppm	0.0026 ppm	0.0001 ppm	0.0000 ppm	-0.0054 ppm
Recovery Percentage	3.471 %	9.380 %	-3.674 %	5.347 %	1.557 %	1.126 %	-4.813 %
Concentration RSD	56.0 %	112.5 %	417.7 %	89.0 %	48.0 %	91.5 %	10.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	-0.0013 ppm	-0.0340 ppm	0.0027 ppm
Concentration per Run	0.0002 ppm	0.0001 ppm	-0.0002 ppm	-0.0002 ppm	-0.0004 ppm	-0.0315 ppm	0.0024 ppm
Concentration per Run	0.0000 ppm	-0.0004 ppm	-0.0004 ppm	-0.0002 ppm	-0.0019 ppm	-0.0268 ppm	0.0030 ppm
Concentration per Run	-0.0001 ppm	0.0002 ppm	0.0003 ppm	0.0002 ppm	-0.0017 ppm	-0.0437 ppm	0.0027 ppm
Recovery Percentage	0.724 %	-0.093 %	-0.884 %	-0.810 %	-2.670 %	-1.360 %	53.593 %
Concentration RSD	376.8 %	1,810.7 %	455.4 %	252.6 %	58.2 %	25.7 %	12.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0007 ppm	0.0000 ppm	0.0002 ppm	-0.0094 ppm	-0.0007 ppm	-0.0016 ppm	0.0013 ppm
Concentration per Run	0.0022 ppm	0.0000 ppm	0.0001 ppm	-0.0108 ppm	-0.0013 ppm	-0.0024 ppm	0.0014 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	0.0005 ppm	-0.0098 ppm	-0.0005 ppm	-0.0014 ppm	0.0027 ppm
Concentration per Run	-0.0002 ppm	0.0001 ppm	0.0001 ppm	-0.0075 ppm	-0.0002 ppm	-0.0009 ppm	-0.0002 ppm
Recovery Percentage	0.680 %	0.123 %	0.441 %	-0.469 %	-2.688 %	-15.523 %	2.566 %
Concentration RSD	196.5 %	591.4 %	123.3 %	17.7 %	81.6 %	48.1 %	113.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0001 ppm	0.0012 ppm	0.0004 ppm	0.0001 ppm	0.0001 ppm	0.0016 ppm	-0.0001 ppm
Concentration per Run	0.0035 ppm	0.0007 ppm	-0.0005 ppm	0.0001 ppm	-0.0002 ppm	0.0010 ppm	0.0000 ppm
Concentration per Run	-0.0024 ppm	0.0021 ppm	0.0009 ppm	0.0002 ppm	0.0004 ppm	0.0017 ppm	-0.0002 ppm
Concentration per Run	-0.0007 ppm	0.0006 ppm	0.0008 ppm	0.0001 ppm	0.0001 ppm	0.0021 ppm	-0.0001 ppm
Recovery Percentage	1.386 %	0.234 %	0.785 %	1.106 %	0.955 %	8.013 %	-0.831 %
Concentration RSD	2,155.4 %	71.3 %	205.2 %	63.1 %	279.1 %	34.7 %	139.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	97.7816 %	96.6399 %	97.9769 %	98.0771 %	96.9136 %	97.6178 %
Concentration per Run	0.0002 ppm	98.2511 %	96.2879 %	98.0139 %	98.5849 %	97.0286 %	97.8118 %
Concentration per Run	0.0003 ppm	98.2804 %	96.7751 %	98.2046 %	98.4984 %	96.8703 %	97.8181 %
Concentration per Run	0.0001 ppm	96.8135 %	96.8566 %	97.7123 %	97.1480 %	96.8418 %	97.2235 %
Recovery Percentage	3.542 %						
Concentration RSD	38.0 %	0.9 %	0.3 %	0.3 %	0.8 %	0.1 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2571841-01 WG2143049
Analysis started at: 11/28/2025 11:14:51 AM
Comment <Comment>
Rack Number 1
Vial Numbers 49

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	5.3569 ppm	0.0178 ppm	0.0654 ppm	0.0455 ppm	0.0002 ppm	66.4212 ppm
Concentration per Run	0.0002 ppm	5.4179 ppm	0.0173 ppm	0.0640 ppm	0.0460 ppm	0.0002 ppm	67.0928 ppm
Concentration per Run	0.0005 ppm	5.3478 ppm	0.0189 ppm	0.0666 ppm	0.0455 ppm	0.0002 ppm	66.3077 ppm
Concentration per Run	-0.0001 ppm	5.3049 ppm	0.0171 ppm	0.0657 ppm	0.0449 ppm	0.0002 ppm	65.8632 ppm
Concentration RSD	138.4 %	1.1 %	5.7 %	2.0 %	1.2 %	14.7 %	0.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0035 ppm	0.0111 ppm	0.0128 ppm	27.5617 ppm	28.0454 ppm	0.0076 ppm
Concentration per Run	0.0002 ppm	0.0041 ppm	0.0113 ppm	0.0127 ppm	27.9050 ppm	28.2515 ppm	0.0080 ppm
Concentration per Run	0.0003 ppm	0.0031 ppm	0.0114 ppm	0.0128 ppm	27.5514 ppm	28.1388 ppm	0.0109 ppm
Concentration per Run	0.0002 ppm	0.0033 ppm	0.0106 ppm	0.0129 ppm	27.2286 ppm	27.7459 ppm	0.0039 ppm
Concentration RSD	17.1 %	14.3 %	3.8 %	1.0 %	1.2 %	0.9 %	46.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	8.1038 ppm	0.7092 ppm	0.0000 ppm	27.0331 ppm	0.0059 ppm	0.0217 ppm	0.0040 ppm
Concentration per Run	8.0964 ppm	0.7166 ppm	-0.0004 ppm	27.4354 ppm	0.0067 ppm	0.0215 ppm	0.0048 ppm
Concentration per Run	8.0857 ppm	0.7089 ppm	0.0000 ppm	27.0066 ppm	0.0055 ppm	0.0219 ppm	0.0035 ppm
Concentration per Run	8.1293 ppm	0.7021 ppm	0.0005 ppm	26.6574 ppm	0.0056 ppm	0.0217 ppm	0.0036 ppm
Concentration RSD	0.3 %	1.0 %	1,461.6 %	1.4 %	10.7 %	0.8 %	17.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0023 ppm	16.6123 ppm	0.0001 ppm	0.1897 ppm	0.1870 ppm	0.0012 ppm	0.0131 ppm
Concentration per Run	-0.0001 ppm	16.6282 ppm	-0.0001 ppm	0.1922 ppm	0.1872 ppm	0.0016 ppm	0.0130 ppm
Concentration per Run	0.0048 ppm	16.5595 ppm	-0.0012 ppm	0.1897 ppm	0.1868 ppm	0.0010 ppm	0.0130 ppm
Concentration per Run	0.0021 ppm	16.6491 ppm	0.0017 ppm	0.1873 ppm	0.1870 ppm	0.0011 ppm	0.0133 ppm
Concentration RSD	107.6 %	0.3 %	968.0 %	1.3 %	0.1 %	26.3 %	1.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0391 ppm	99.3137 %	101.7961 %	96.0315 %	98.2458 %	99.8198 %	98.1642 %
Concentration per Run	0.0390 ppm	99.4716 %	101.2102 %	96.0213 %	98.5330 %	100.6828 %	98.1549 %
Concentration per Run	0.0390 ppm	99.6134 %	101.3298 %	96.3367 %	98.6444 %	99.3607 %	98.5045 %
Concentration per Run	0.0392 ppm	98.8561 %	102.8482 %	95.7364 %	97.5602 %	99.4159 %	97.8331 %
Concentration RSD	0.3 %	0.4 %	0.9 %	0.3 %	0.6 %	0.7 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2571841-02 WG2143049
Analysis started at: 11/28/2025 11:17:12 AM
Comment <Comment>
Rack Number 1
Vial Numbers 50

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0008 ppm	0.0126 ppm	0.1015 ppm	0.1145 ppm	0.0404 ppm	0.0000 ppm	40.7895 ppm
Concentration per Run	0.0010 ppm	0.0182 ppm	0.1032 ppm	0.1151 ppm	0.0402 ppm	0.0000 ppm	40.5153 ppm
Concentration per Run	0.0010 ppm	0.0080 ppm	0.1000 ppm	0.1142 ppm	0.0408 ppm	0.0000 ppm	41.1070 ppm
Concentration per Run	0.0005 ppm	0.0117 ppm	0.1012 ppm	0.1144 ppm	0.0401 ppm	0.0000 ppm	40.7462 ppm
Concentration RSD	37.0 %	41.1 %	1.6 %	0.4 %	0.9 %	254.5 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0003 ppm	0.0035 ppm	0.0014 ppm	0.0025 ppm	71.2973 ppm	22.2289 ppm	0.0014 ppm
Concentration per Run	0.0001 ppm	0.0036 ppm	0.0014 ppm	0.0024 ppm	70.5793 ppm	22.0491 ppm	0.0024 ppm
Concentration per Run	0.0003 ppm	0.0036 ppm	0.0013 ppm	0.0022 ppm	72.0509 ppm	22.4554 ppm	0.0030 ppm
Concentration per Run	0.0003 ppm	0.0034 ppm	0.0015 ppm	0.0028 ppm	71.2616 ppm	22.1822 ppm	-0.0011 ppm
Concentration RSD	50.4 %	3.3 %	9.6 %	13.4 %	1.0 %	0.9 %	155.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	21.6910 ppm	4.1112 ppm	0.0028 ppm	28.5748 ppm	0.0020 ppm	-0.0014 ppm	0.0015 ppm
Concentration per Run	21.6173 ppm	4.0934 ppm	0.0030 ppm	28.3571 ppm	0.0023 ppm	-0.0009 ppm	0.0008 ppm
Concentration per Run	21.7070 ppm	4.1377 ppm	0.0023 ppm	28.8613 ppm	0.0019 ppm	-0.0012 ppm	0.0044 ppm
Concentration per Run	21.7488 ppm	4.1025 ppm	0.0029 ppm	28.5061 ppm	0.0017 ppm	-0.0023 ppm	-0.0008 ppm
Concentration RSD	0.3 %	0.6 %	13.2 %	0.9 %	13.7 %	49.4 %	180.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0024 ppm	6.1739 ppm	-0.0001 ppm	0.1438 ppm	0.0008 ppm	0.0015 ppm	-0.0004 ppm
Concentration per Run	0.0014 ppm	6.1694 ppm	0.0002 ppm	0.1423 ppm	0.0011 ppm	0.0018 ppm	-0.0003 ppm
Concentration per Run	0.0037 ppm	6.1912 ppm	0.0006 ppm	0.1457 ppm	0.0009 ppm	0.0015 ppm	-0.0006 ppm
Concentration per Run	0.0022 ppm	6.1611 ppm	-0.0012 ppm	0.1434 ppm	0.0006 ppm	0.0011 ppm	-0.0002 ppm
Concentration RSD	49.3 %	0.3 %	713.0 %	1.2 %	30.2 %	24.9 %	53.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0030 ppm	100.2807 %	103.9148 %	96.4702 %	99.1305 %	100.7292 %	98.4555 %
Concentration per Run	0.0029 ppm	100.8603 %	104.4435 %	96.4340 %	99.4944 %	100.8460 %	98.5959 %
Concentration per Run	0.0031 ppm	99.9037 %	103.3005 %	96.7006 %	98.4197 %	100.6583 %	98.5563 %
Concentration per Run	0.0029 ppm	100.0780 %	104.0006 %	96.2758 %	99.4773 %	100.6833 %	98.2143 %
Concentration RSD	4.4 %	0.5 %	0.6 %	0.2 %	0.6 %	0.1 %	0.2 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2571841-03 WG2143049
Analysis started at: 11/28/2025 11:19:21 AM
Comment <Comment>
Rack Number 1
Vial Numbers 51

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.1753 ppm	-0.0011 ppm	0.0161 ppm	0.0279 ppm	0.0001 ppm	0.7910 ppm
Concentration per Run	0.0001 ppm	0.1804 ppm	-0.0003 ppm	0.0166 ppm	0.0279 ppm	0.0001 ppm	0.7937 ppm
Concentration per Run	0.0002 ppm	0.1759 ppm	-0.0012 ppm	0.0158 ppm	0.0279 ppm	0.0000 ppm	0.7939 ppm
Concentration per Run	-0.0005 ppm	0.1695 ppm	-0.0018 ppm	0.0160 ppm	0.0279 ppm	0.0001 ppm	0.7852 ppm
Concentration RSD	1,303.9 %	3.1 %	66.7 %	2.7 %	0.1 %	66.9 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0019 ppm	0.0001 ppm	0.0007 ppm	0.1678 ppm	1.8617 ppm	0.0013 ppm
Concentration per Run	0.0002 ppm	0.0020 ppm	0.0003 ppm	0.0007 ppm	0.1686 ppm	1.8805 ppm	0.0003 ppm
Concentration per Run	0.0003 ppm	0.0018 ppm	-0.0003 ppm	0.0005 ppm	0.1670 ppm	1.8469 ppm	0.0011 ppm
Concentration per Run	0.0002 ppm	0.0018 ppm	0.0003 ppm	0.0008 ppm	0.1678 ppm	1.8578 ppm	0.0026 ppm
Concentration RSD	17.9 %	5.0 %	557.9 %	25.7 %	0.5 %	0.9 %	87.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	1.4450 ppm	0.6541 ppm	-0.0007 ppm	11.9046 ppm	0.0140 ppm	-0.0012 ppm	0.0040 ppm
Concentration per Run	1.4504 ppm	0.6543 ppm	-0.0009 ppm	11.8927 ppm	0.0137 ppm	-0.0008 ppm	0.0037 ppm
Concentration per Run	1.4431 ppm	0.6553 ppm	-0.0004 ppm	11.9098 ppm	0.0144 ppm	-0.0021 ppm	0.0003 ppm
Concentration per Run	1.4414 ppm	0.6529 ppm	-0.0009 ppm	11.9111 ppm	0.0139 ppm	-0.0006 ppm	0.0080 ppm
Concentration RSD	0.3 %	0.2 %	40.1 %	0.1 %	2.5 %	73.1 %	96.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0015 ppm	3.4482 ppm	0.0001 ppm	0.0118 ppm	0.0018 ppm	0.0014 ppm	0.0003 ppm
Concentration per Run	0.0016 ppm	3.4432 ppm	-0.0003 ppm	0.0118 ppm	0.0015 ppm	0.0019 ppm	0.0002 ppm
Concentration per Run	0.0022 ppm	3.4529 ppm	-0.0006 ppm	0.0118 ppm	0.0020 ppm	0.0003 ppm	0.0004 ppm
Concentration per Run	0.0007 ppm	3.4485 ppm	0.0010 ppm	0.0118 ppm	0.0020 ppm	0.0019 ppm	0.0003 ppm
Concentration RSD	53.3 %	0.1 %	1,344.3 %	0.1 %	16.2 %	65.1 %	36.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0139 ppm	101.7605 %	101.2319 %	101.5280 %	101.2110 %	99.7035 %	100.2747 %
Concentration per Run	0.0140 ppm	102.0330 %	101.2105 %	101.1978 %	101.5937 %	100.0571 %	99.8696 %
Concentration per Run	0.0139 ppm	101.7338 %	101.1881 %	101.7563 %	101.2723 %	99.6948 %	100.4059 %
Concentration per Run	0.0139 ppm	101.5146 %	101.2972 %	101.6301 %	100.7670 %	99.3586 %	100.5487 %
Concentration RSD	0.6 %	0.3 %	0.1 %	0.3 %	0.4 %	0.4 %	0.4 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2571841-04 WG2143049
Analysis started at: 11/28/2025 11:21:30 AM
Comment <Comment>
Rack Number 1
Vial Numbers 52

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0006 ppm	0.0184 ppm	-0.0011 ppm	0.0152 ppm	0.0039 ppm	0.0001 ppm	5.0347 ppm
Concentration per Run	-0.0007 ppm	0.0184 ppm	-0.0001 ppm	0.0152 ppm	0.0039 ppm	0.0000 ppm	5.0183 ppm
Concentration per Run	-0.0007 ppm	0.0217 ppm	-0.0019 ppm	0.0160 ppm	0.0039 ppm	0.0001 ppm	5.0500 ppm
Concentration per Run	-0.0002 ppm	0.0151 ppm	-0.0013 ppm	0.0144 ppm	0.0039 ppm	0.0000 ppm	5.0356 ppm
Concentration RSD	49.9 %	17.8 %	82.8 %	5.1 %	0.6 %	48.8 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0080 ppm	0.0001 ppm	0.0009 ppm	0.0137 ppm	1.6576 ppm	0.0027 ppm
Concentration per Run	0.0002 ppm	0.0082 ppm	-0.0002 ppm	0.0009 ppm	0.0139 ppm	1.6477 ppm	0.0011 ppm
Concentration per Run	0.0001 ppm	0.0083 ppm	0.0005 ppm	0.0007 ppm	0.0130 ppm	1.6657 ppm	0.0041 ppm
Concentration per Run	0.0004 ppm	0.0077 ppm	0.0000 ppm	0.0012 ppm	0.0143 ppm	1.6594 ppm	0.0029 ppm
Concentration RSD	71.5 %	3.4 %	267.4 %	27.3 %	4.8 %	0.6 %	55.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	6.1704 ppm	1.0344 ppm	-0.0006 ppm	10.6547 ppm	0.0027 ppm	-0.0009 ppm	0.0009 ppm
Concentration per Run	6.1742 ppm	1.0308 ppm	-0.0005 ppm	10.5953 ppm	0.0023 ppm	-0.0012 ppm	-0.0013 ppm
Concentration per Run	6.2085 ppm	1.0363 ppm	-0.0008 ppm	10.6933 ppm	0.0023 ppm	-0.0002 ppm	0.0017 ppm
Concentration per Run	6.1286 ppm	1.0362 ppm	-0.0005 ppm	10.6756 ppm	0.0037 ppm	-0.0013 ppm	0.0022 ppm
Concentration RSD	0.6 %	0.3 %	33.7 %	0.5 %	29.6 %	67.8 %	219.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0026 ppm	7.9217 ppm	-0.0007 ppm	0.0626 ppm	0.0000 ppm	0.0013 ppm	0.0001 ppm
Concentration per Run	0.0048 ppm	7.9336 ppm	0.0005 ppm	0.0620 ppm	-0.0001 ppm	0.0015 ppm	0.0002 ppm
Concentration per Run	0.0028 ppm	7.9344 ppm	-0.0009 ppm	0.0627 ppm	0.0001 ppm	0.0013 ppm	-0.0001 ppm
Concentration per Run	0.0001 ppm	7.8971 ppm	-0.0018 ppm	0.0630 ppm	0.0001 ppm	0.0012 ppm	0.0002 ppm
Concentration RSD	93.4 %	0.3 %	163.7 %	0.8 %	344.5 %	9.1 %	208.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0086 ppm	100.5123 %	100.5221 %	99.2467 %	99.5194 %	98.7613 %	98.3725 %
Concentration per Run	0.0083 ppm	100.5513 %	100.9006 %	98.5696 %	99.8820 %	99.1934 %	97.9245 %
Concentration per Run	0.0087 ppm	100.3102 %	100.0469 %	99.4602 %	99.5569 %	98.1182 %	98.6905 %
Concentration per Run	0.0087 ppm	100.6755 %	100.6188 %	99.7104 %	99.1194 %	98.9725 %	98.5026 %
Concentration RSD	2.6 %	0.2 %	0.4 %	0.6 %	0.4 %	0.6 %	0.4 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2571841-05 WG2143049
Analysis started at: 11/28/2025 11:23:40 AM
Comment <Comment>
Rack Number 1
Vial Numbers 53

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0005 ppm	0.1124 ppm	0.0015 ppm	0.0772 ppm	0.0364 ppm	0.0001 ppm	21.4351 ppm
Concentration per Run	0.0008 ppm	0.1056 ppm	0.0028 ppm	0.0777 ppm	0.0364 ppm	0.0000 ppm	21.3779 ppm
Concentration per Run	0.0004 ppm	0.1193 ppm	0.0010 ppm	0.0757 ppm	0.0364 ppm	0.0001 ppm	21.4663 ppm
Concentration per Run	0.0005 ppm	0.1124 ppm	0.0007 ppm	0.0781 ppm	0.0363 ppm	0.0001 ppm	21.4609 ppm
Concentration RSD	38.2 %	6.1 %	77.2 %	1.7 %	0.2 %	55.0 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0147 ppm	0.0005 ppm	0.0015 ppm	8.0858 ppm	23.7810 ppm	0.0023 ppm
Concentration per Run	0.0002 ppm	0.0143 ppm	0.0005 ppm	0.0017 ppm	8.1130 ppm	23.7686 ppm	0.0019 ppm
Concentration per Run	0.0003 ppm	0.0150 ppm	0.0007 ppm	0.0015 ppm	8.1195 ppm	23.9142 ppm	0.0033 ppm
Concentration per Run	0.0002 ppm	0.0147 ppm	0.0004 ppm	0.0012 ppm	8.0248 ppm	23.6603 ppm	0.0017 ppm
Concentration RSD	22.8 %	2.3 %	31.4 %	17.1 %	0.7 %	0.5 %	37.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	15.6212 ppm	9.9448 ppm	-0.0014 ppm	35.8170 ppm	0.0034 ppm	-0.0012 ppm	0.0027 ppm
Concentration per Run	15.6262 ppm	9.9477 ppm	-0.0018 ppm	35.5301 ppm	0.0030 ppm	-0.0012 ppm	-0.0013 ppm
Concentration per Run	15.6655 ppm	9.9844 ppm	-0.0015 ppm	36.1473 ppm	0.0031 ppm	-0.0009 ppm	0.0053 ppm
Concentration per Run	15.5718 ppm	9.9022 ppm	-0.0010 ppm	35.7736 ppm	0.0041 ppm	-0.0016 ppm	0.0041 ppm
Concentration RSD	0.3 %	0.4 %	26.2 %	0.9 %	17.9 %	27.3 %	128.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0014 ppm	4.4131 ppm	-0.0006 ppm	0.1176 ppm	0.0047 ppm	0.0012 ppm	-0.0005 ppm
Concentration per Run	0.0007 ppm	4.3906 ppm	0.0000 ppm	0.1175 ppm	0.0046 ppm	0.0002 ppm	-0.0007 ppm
Concentration per Run	0.0006 ppm	4.4311 ppm	-0.0007 ppm	0.1180 ppm	0.0049 ppm	0.0025 ppm	-0.0004 ppm
Concentration per Run	0.0029 ppm	4.4177 ppm	-0.0009 ppm	0.1173 ppm	0.0046 ppm	0.0008 ppm	-0.0004 ppm
Concentration RSD	94.0 %	0.5 %	86.0 %	0.3 %	3.3 %	101.2 %	32.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0027 ppm	100.6337 %	102.1986 %	98.4613 %	99.3052 %	100.2619 %	99.2574 %
Concentration per Run	0.0029 ppm	101.0774 %	101.3129 %	98.6376 %	99.9446 %	99.2651 %	99.5125 %
Concentration per Run	0.0025 ppm	100.3044 %	101.5865 %	98.2883 %	98.7228 %	100.1880 %	99.1840 %
Concentration per Run	0.0028 ppm	100.5194 %	103.6965 %	98.4581 %	99.2481 %	101.3327 %	99.0755 %
Concentration RSD	7.0 %	0.4 %	1.3 %	0.2 %	0.6 %	1.0 %	0.2 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2571841-06 WG2143049
Analysis started at: 11/28/2025 11:25:49 AM
Comment <Comment>
Rack Number 1
Vial Numbers 54

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.1047 ppm	-0.0004 ppm	0.0116 ppm	0.0266 ppm	0.0001 ppm	3.0453 ppm
Concentration per Run	-0.0002 ppm	0.1025 ppm	-0.0024 ppm	0.0116 ppm	0.0267 ppm	0.0001 ppm	3.0553 ppm
Concentration per Run	-0.0001 ppm	0.0993 ppm	0.0017 ppm	0.0121 ppm	0.0267 ppm	0.0001 ppm	3.0480 ppm
Concentration per Run	-0.0001 ppm	0.1123 ppm	-0.0007 ppm	0.0111 ppm	0.0265 ppm	0.0001 ppm	3.0327 ppm
Concentration RSD	26.3 %	6.5 %	457.1 %	4.4 %	0.4 %	19.9 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0002 ppm	0.0004 ppm	0.0000 ppm	0.0772 ppm	1.5449 ppm	0.0030 ppm
Concentration per Run	0.0001 ppm	0.0002 ppm	0.0002 ppm	0.0003 ppm	0.0772 ppm	1.5558 ppm	0.0043 ppm
Concentration per Run	0.0002 ppm	0.0004 ppm	-0.0001 ppm	0.0002 ppm	0.0784 ppm	1.5374 ppm	0.0018 ppm
Concentration per Run	0.0002 ppm	-0.0001 ppm	0.0012 ppm	-0.0006 ppm	0.0759 ppm	1.5416 ppm	0.0028 ppm
Concentration RSD	15.1 %	137.4 %	171.2 %	2,264.7 %	1.6 %	0.6 %	41.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	2.4443 ppm	0.0692 ppm	-0.0003 ppm	7.3045 ppm	0.0002 ppm	-0.0010 ppm	0.0005 ppm
Concentration per Run	2.4523 ppm	0.0695 ppm	-0.0004 ppm	7.3115 ppm	0.0002 ppm	-0.0022 ppm	0.0032 ppm
Concentration per Run	2.4370 ppm	0.0692 ppm	0.0001 ppm	7.3204 ppm	-0.0002 ppm	-0.0002 ppm	-0.0023 ppm
Concentration per Run	2.4437 ppm	0.0688 ppm	-0.0005 ppm	7.2817 ppm	0.0007 ppm	-0.0006 ppm	0.0005 ppm
Concentration RSD	0.3 %	0.5 %	109.2 %	0.3 %	172.0 %	106.7 %	577.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0022 ppm	5.5980 ppm	-0.0010 ppm	0.0360 ppm	0.0002 ppm	0.0011 ppm	0.0000 ppm
Concentration per Run	0.0022 ppm	5.6078 ppm	-0.0007 ppm	0.0359 ppm	-0.0002 ppm	0.0018 ppm	0.0001 ppm
Concentration per Run	0.0013 ppm	5.6024 ppm	-0.0013 ppm	0.0361 ppm	0.0007 ppm	0.0013 ppm	0.0000 ppm
Concentration per Run	0.0031 ppm	5.5838 ppm	-0.0010 ppm	0.0360 ppm	0.0002 ppm	0.0002 ppm	-0.0001 ppm
Concentration RSD	40.5 %	0.2 %	31.9 %	0.2 %	206.5 %	73.9 %	820.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0013 ppm	102.5844 %	102.6871 %	103.4418 %	101.2067 %	101.0568 %	102.0933 %
Concentration per Run	0.0013 ppm	102.9050 %	103.4873 %	103.4032 %	102.0254 %	101.8745 %	102.4515 %
Concentration per Run	0.0012 ppm	102.7347 %	102.4495 %	103.3369 %	101.4883 %	100.8804 %	101.7941 %
Concentration per Run	0.0013 ppm	102.1135 %	102.1247 %	103.5853 %	100.1064 %	100.4156 %	102.0345 %
Concentration RSD	4.5 %	0.4 %	0.7 %	0.1 %	1.0 %	0.7 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2571998-09 WG2143049
Analysis started at: 11/28/2025 11:27:59 AM
Comment <Comment>
Rack Number 1
Vial Numbers 55

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	0.3288 ppm	0.0016 ppm	0.2148 ppm	0.0318 ppm	0.0001 ppm	31.3257 ppm
Concentration per Run	0.0001 ppm	0.3225 ppm	0.0008 ppm	0.2161 ppm	0.0318 ppm	0.0001 ppm	31.2406 ppm
Concentration per Run	-0.0003 ppm	0.3238 ppm	0.0024 ppm	0.2141 ppm	0.0317 ppm	0.0001 ppm	31.3630 ppm
Concentration per Run	-0.0003 ppm	0.3402 ppm	0.0017 ppm	0.2143 ppm	0.0319 ppm	0.0000 ppm	31.3734 ppm
Concentration RSD	137.8 %	3.0 %	47.7 %	0.5 %	0.3 %	140.7 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0109 ppm	0.0021 ppm	0.0054 ppm	2.4819 ppm	5.6418 ppm	0.0026 ppm
Concentration per Run	0.0002 ppm	0.0105 ppm	0.0022 ppm	0.0053 ppm	2.4661 ppm	5.6198 ppm	0.0048 ppm
Concentration per Run	0.0001 ppm	0.0115 ppm	0.0026 ppm	0.0054 ppm	2.4879 ppm	5.6461 ppm	0.0010 ppm
Concentration per Run	0.0003 ppm	0.0106 ppm	0.0014 ppm	0.0054 ppm	2.4916 ppm	5.6596 ppm	0.0020 ppm
Concentration RSD	48.5 %	5.2 %	29.2 %	0.3 %	0.6 %	0.4 %	75.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	5.8581 ppm	3.4204 ppm	-0.0004 ppm	18.6616 ppm	0.0029 ppm	-0.0005 ppm	0.0039 ppm
Concentration per Run	5.8722 ppm	3.4078 ppm	-0.0005 ppm	18.4246 ppm	0.0027 ppm	-0.0011 ppm	0.0044 ppm
Concentration per Run	5.8407 ppm	3.4203 ppm	-0.0004 ppm	18.7827 ppm	0.0031 ppm	-0.0015 ppm	0.0062 ppm
Concentration per Run	5.8615 ppm	3.4332 ppm	-0.0002 ppm	18.7776 ppm	0.0030 ppm	0.0011 ppm	0.0011 ppm
Concentration RSD	0.3 %	0.4 %	35.1 %	1.1 %	7.0 %	287.2 %	67.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0021 ppm	3.3664 ppm	-0.0002 ppm	0.1478 ppm	0.0094 ppm	0.0015 ppm	0.0017 ppm
Concentration per Run	0.0026 ppm	3.3690 ppm	-0.0017 ppm	0.1467 ppm	0.0097 ppm	0.0010 ppm	0.0016 ppm
Concentration per Run	0.0008 ppm	3.3742 ppm	0.0008 ppm	0.1479 ppm	0.0087 ppm	0.0021 ppm	0.0017 ppm
Concentration per Run	0.0030 ppm	3.3560 ppm	0.0004 ppm	0.1490 ppm	0.0098 ppm	0.0013 ppm	0.0018 ppm
Concentration RSD	55.6 %	0.3 %	661.8 %	0.8 %	6.6 %	37.0 %	4.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0628 ppm	101.7110 %	102.8255 %	101.2109 %	100.4952 %	100.9734 %	100.7140 %
Concentration per Run	0.0623 ppm	100.9248 %	103.7001 %	101.3822 %	99.8835 %	101.3825 %	101.3800 %
Concentration per Run	0.0632 ppm	102.0389 %	102.1067 %	101.6677 %	100.6869 %	100.3378 %	100.8910 %
Concentration per Run	0.0628 ppm	102.1693 %	102.6698 %	100.5829 %	100.9152 %	101.2000 %	99.8710 %
Concentration RSD	0.7 %	0.7 %	0.8 %	0.6 %	0.5 %	0.6 %	0.8 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2571998-10 WG2143049
Analysis started at: 11/28/2025 11:30:09 AM
Comment <Comment>
Rack Number 1
Vial Numbers 56

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0003 ppm	0.6751 ppm	0.0130 ppm	0.5067 ppm	0.1243 ppm	0.0001 ppm	31.7290 ppm
Concentration per Run	0.0004 ppm	0.6684 ppm	0.0121 ppm	0.5039 ppm	0.1249 ppm	0.0001 ppm	31.7722 ppm
Concentration per Run	0.0007 ppm	0.6762 ppm	0.0136 ppm	0.5081 ppm	0.1236 ppm	0.0001 ppm	31.5548 ppm
Concentration per Run	-0.0001 ppm	0.6809 ppm	0.0133 ppm	0.5083 ppm	0.1244 ppm	0.0001 ppm	31.8600 ppm
Concentration RSD	129.0 %	0.9 %	6.3 %	0.5 %	0.5 %	26.2 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0005 ppm	0.0099 ppm	0.0007 ppm	0.0068 ppm	19.4247 ppm	14.2689 ppm	0.0023 ppm
Concentration per Run	0.0004 ppm	0.0101 ppm	0.0002 ppm	0.0073 ppm	19.5201 ppm	14.3382 ppm	0.0026 ppm
Concentration per Run	0.0005 ppm	0.0097 ppm	0.0009 ppm	0.0064 ppm	19.2902 ppm	14.1831 ppm	0.0026 ppm
Concentration per Run	0.0004 ppm	0.0098 ppm	0.0009 ppm	0.0068 ppm	19.4637 ppm	14.2855 ppm	0.0016 ppm
Concentration RSD	10.6 %	2.1 %	57.8 %	6.6 %	0.6 %	0.6 %	26.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	4.2938 ppm	0.7458 ppm	-0.0002 ppm	41.2942 ppm	0.0032 ppm	0.0143 ppm	-0.0001 ppm
Concentration per Run	4.3140 ppm	0.7479 ppm	0.0001 ppm	41.3267 ppm	0.0034 ppm	0.0148 ppm	-0.0008 ppm
Concentration per Run	4.2778 ppm	0.7417 ppm	-0.0008 ppm	41.2831 ppm	0.0034 ppm	0.0140 ppm	-0.0036 ppm
Concentration per Run	4.2896 ppm	0.7479 ppm	0.0001 ppm	41.2727 ppm	0.0028 ppm	0.0141 ppm	0.0042 ppm
Concentration RSD	0.4 %	0.5 %	251.1 %	0.1 %	11.4 %	3.1 %	6,285.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0026 ppm	6.2855 ppm	-0.0001 ppm	0.0811 ppm	0.0146 ppm	0.0011 ppm	0.0019 ppm
Concentration per Run	0.0044 ppm	6.2476 ppm	-0.0006 ppm	0.0816 ppm	0.0150 ppm	0.0012 ppm	0.0018 ppm
Concentration per Run	0.0021 ppm	6.3202 ppm	0.0009 ppm	0.0806 ppm	0.0145 ppm	0.0010 ppm	0.0019 ppm
Concentration per Run	0.0012 ppm	6.2887 ppm	-0.0007 ppm	0.0810 ppm	0.0145 ppm	0.0012 ppm	0.0020 ppm
Concentration RSD	64.8 %	0.6 %	666.0 %	0.7 %	1.9 %	7.1 %	6.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0376 ppm	99.7746 %	102.7718 %	98.5168 %	97.9933 %	100.3213 %	99.0861 %
Concentration per Run	0.0374 ppm	100.6363 %	102.3271 %	98.4823 %	98.6467 %	100.3744 %	98.8372 %
Concentration per Run	0.0380 ppm	99.2687 %	102.9401 %	98.8984 %	97.7018 %	100.0249 %	99.4292 %
Concentration per Run	0.0375 ppm	99.4187 %	103.0481 %	98.1698 %	97.6314 %	100.5646 %	98.9920 %
Concentration RSD	0.9 %	0.8 %	0.4 %	0.4 %	0.6 %	0.3 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574432-01D2 WG2145767
Analysis started at: 11/28/2025 11:39:15 AM
Comment <Comment>
Rack Number 1
Vial Numbers 57

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0006 ppm	70.9445 ppm	0.0178 ppm	0.1626 ppm	0.3163 ppm	0.0021 ppm	912.4427 ppm
Concentration per Run	0.0014 ppm	70.5486 ppm	0.0187 ppm	0.1627 ppm	0.3147 ppm	0.0021 ppm	907.5113 ppm
Concentration per Run	0.0001 ppm	71.2910 ppm	0.0180 ppm	0.1624 ppm	0.3172 ppm	0.0021 ppm	915.4745 ppm
Concentration per Run	0.0003 ppm	70.9939 ppm	0.0166 ppm	0.1626 ppm	0.3169 ppm	0.0021 ppm	914.3423 ppm
Concentration RSD	113.3 %	0.5 %	6.0 %	0.1 %	0.4 %	1.6 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0008 ppm	0.0142 ppm	0.1123 ppm	0.0762 ppm	53.7438 ppm	2.0685 ppm	0.0765 ppm
Concentration per Run	0.0009 ppm	0.0144 ppm	0.1118 ppm	0.0759 ppm	53.5216 ppm	2.0610 ppm	0.0626 ppm
Concentration per Run	0.0006 ppm	0.0143 ppm	0.1123 ppm	0.0764 ppm	53.9210 ppm	2.0868 ppm	0.0992 ppm
Concentration per Run	0.0008 ppm	0.0140 ppm	0.1128 ppm	0.0764 ppm	53.7890 ppm	2.0578 ppm	0.0675 ppm
Concentration RSD	18.2 %	1.2 %	0.5 %	0.4 %	0.4 %	0.8 %	26.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	50.0002 ppm	0.9788 ppm	0.0062 ppm	1.0543 ppm	0.0457 ppm	0.0380 ppm	0.0009 ppm
Concentration per Run	49.8849 ppm	0.9750 ppm	0.0065 ppm	1.0486 ppm	0.0470 ppm	0.0380 ppm	-0.0027 ppm
Concentration per Run	49.9776 ppm	0.9808 ppm	0.0058 ppm	1.0545 ppm	0.0446 ppm	0.0385 ppm	-0.0007 ppm
Concentration per Run	50.1380 ppm	0.9806 ppm	0.0063 ppm	1.0597 ppm	0.0454 ppm	0.0375 ppm	0.0061 ppm
Concentration RSD	0.3 %	0.3 %	6.5 %	0.5 %	2.7 %	1.3 %	514.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0044 ppm	39.0031 [SIC 100]	0.0116 ppm	3.3601 ppm	3.1994 ppm	0.0008 ppm	0.0874 ppm
Concentration per Run	0.0051 ppm	38.9118 ppm	0.0100 ppm	3.3442 ppm	3.1835 ppm	0.0015 ppm	0.0877 ppm
Concentration per Run	-0.0015 ppm	39.0329 ppm	0.0126 ppm	3.3727 ppm	3.2008 ppm	0.0005 ppm	0.0872 ppm
Concentration per Run	0.0095 ppm	39.0646 ppm	0.0121 ppm	3.3633 ppm	3.2138 ppm	0.0003 ppm	0.0872 ppm
Concentration RSD	127.2 %	0.2 %	11.7 %	0.4 %	0.5 %	82.1 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1367 ppm	89.3166 %	99.2131 %	81.4861 %	90.1245 %	101.6466 %	91.5243 %
Concentration per Run	0.1368 ppm	89.1387 %	99.5992 %	81.8076 %	89.9462 %	102.8324 %	91.5594 %
Concentration per Run	0.1370 ppm	89.7401 %	98.6067 %	81.4718 %	90.6423 %	100.6293 %	91.8148 %
Concentration per Run	0.1362 ppm	89.0712 %	99.4335 %	81.1790 %	89.7850 %	101.4782 %	91.1986 %
Concentration RSD	0.3 %	0.4 %	0.5 %	0.4 %	0.5 %	1.1 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574432-02D2 WG2145767
Analysis started at: 11/28/2025 11:41:31 AM
Comment <Comment>
Rack Number 1
Vial Numbers 58

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0014 ppm	89.2113 ppm	0.0498 ppm	0.1317 ppm	0.4594 ppm	0.0037 ppm	889.5273 ppm
Concentration per Run	0.0017 ppm	89.4281 ppm	0.0502 ppm	0.1294 ppm	0.4625 ppm	0.0037 ppm	894.9237 ppm
Concentration per Run	0.0010 ppm	88.3053 ppm	0.0503 ppm	0.1325 ppm	0.4518 ppm	0.0035 ppm	877.0729 ppm
Concentration per Run	0.0014 ppm	89.9005 ppm	0.0489 ppm	0.1331 ppm	0.4640 ppm	0.0037 ppm	896.5854 ppm
Concentration RSD	24.2 %	0.9 %	1.6 %	1.5 %	1.4 %	3.1 %	1.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0038 ppm	0.0343 ppm	0.3087 ppm	0.2082 ppm	111.6610 ppm	9.8470 ppm	0.0665 ppm
Concentration per Run	0.0038 ppm	0.0343 ppm	0.3050 ppm	0.2068 ppm	112.5317 ppm	9.9642 ppm	0.0736 ppm
Concentration per Run	0.0039 ppm	0.0343 ppm	0.3076 ppm	0.2083 ppm	109.8643 ppm	9.6979 ppm	0.0503 ppm
Concentration per Run	0.0037 ppm	0.0343 ppm	0.3135 ppm	0.2096 ppm	112.5871 ppm	9.8790 ppm	0.0756 ppm
Concentration RSD	2.2 %	0.1 %	1.4 %	0.7 %	1.4 %	1.4 %	21.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	23.4243 ppm	1.8464 ppm	0.0384 ppm	0.5291 ppm	0.0787 ppm	0.1536 ppm	0.0007 ppm
Concentration per Run	23.3243 ppm	1.8472 ppm	0.0381 ppm	0.5354 ppm	0.0766 ppm	0.1533 ppm	0.0031 ppm
Concentration per Run	23.4702 ppm	1.8261 ppm	0.0386 ppm	0.5228 ppm	0.0785 ppm	0.1536 ppm	0.0000 ppm
Concentration per Run	23.4783 ppm	1.8658 ppm	0.0385 ppm	0.5290 ppm	0.0809 ppm	0.1537 ppm	-0.0011 ppm
Concentration RSD	0.4 %	1.1 %	0.7 %	1.2 %	2.7 %	0.2 %	333.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0036 ppm	**37.4913 [SIC 100]**	0.0219 ppm	0.3802 ppm	2.6746 ppm	0.0006 ppm	0.2589 ppm
Concentration per Run	0.0030 ppm	37.2280 ppm	0.0224 ppm	0.3822 ppm	2.6648 ppm	0.0010 ppm	0.2562 ppm
Concentration per Run	0.0014 ppm	37.6037 ppm	0.0218 ppm	0.3737 ppm	2.6847 ppm	0.0013 ppm	0.2596 ppm
Concentration per Run	0.0063 ppm	37.6421 ppm	0.0215 ppm	0.3848 ppm	2.6743 ppm	-0.0004 ppm	0.2609 ppm
Concentration RSD	70.6 %	0.6 %	2.1 %	1.5 %	0.4 %	138.4 %	0.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.5780 ppm	92.8578 %	100.6705 %	84.2863 %	97.4891 %	107.2841 %	98.8775 %
Concentration per Run	1.5600 ppm	93.4172 %	100.3384 %	84.4937 %	97.8229 %	107.8387 %	98.7644 %
Concentration per Run	1.5752 ppm	93.1394 %	101.5768 %	83.8202 %	97.8573 %	106.6141 %	98.4576 %
Concentration per Run	1.5987 ppm	92.0167 %	100.0964 %	84.5448 %	96.7870 %	107.3994 %	99.4104 %
Concentration RSD	1.2 %	0.8 %	0.8 %	0.5 %	0.6 %	0.6 %	0.5 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: CCV
Analysis started at: 11/28/2025 11:50:49 AM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4988 ppm	0.4782 ppm	0.4781 ppm	0.4816 ppm	0.4932 ppm	0.4981 ppm	0.4840 ppm
Concentration per Run	0.4984 ppm	0.4822 ppm	0.4798 ppm	0.4801 ppm	0.4918 ppm	0.4975 ppm	0.4861 ppm
Concentration per Run	0.4998 ppm	0.4719 ppm	0.4767 ppm	0.4839 ppm	0.4937 ppm	0.4993 ppm	0.4854 ppm
Concentration per Run	0.4983 ppm	0.4806 ppm	0.4778 ppm	0.4809 ppm	0.4940 ppm	0.4974 ppm	0.4805 ppm
Recovery Percentage	99.767 %	95.646 %	95.616 %	96.327 %	98.630 %	99.610 %	96.792 %
Concentration RSD	0.2 %	1.2 %	0.3 %	0.4 %	0.2 %	0.2 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5077 ppm	0.5052 ppm	0.5078 ppm	0.5128 ppm	0.4808 ppm	5.0879 ppm	0.5134 ppm
Concentration per Run	0.5074 ppm	0.5051 ppm	0.5086 ppm	0.5121 ppm	0.4775 ppm	5.0436 ppm	0.5104 ppm
Concentration per Run	0.5097 ppm	0.5066 ppm	0.5088 ppm	0.5144 ppm	0.4832 ppm	5.1470 ppm	0.5181 ppm
Concentration per Run	0.5058 ppm	0.5038 ppm	0.5061 ppm	0.5120 ppm	0.4818 ppm	5.0732 ppm	0.5117 ppm
Recovery Percentage	101.531 %	101.030 %	101.566 %	102.565 %	96.167 %	101.759 %	102.686 %
Concentration RSD	0.4 %	0.3 %	0.3 %	0.3 %	0.6 %	1.0 %	0.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4967 ppm	0.4977 ppm	0.4806 ppm	10.0136 ppm	0.5065 ppm	0.4887 ppm	0.5002 ppm
Concentration per Run	0.4982 ppm	0.4975 ppm	0.4797 ppm	9.9912 ppm	0.5073 ppm	0.4872 ppm	0.4992 ppm
Concentration per Run	0.5002 ppm	0.4969 ppm	0.4818 ppm	10.0222 ppm	0.5070 ppm	0.4903 ppm	0.5001 ppm
Concentration per Run	0.4918 ppm	0.4988 ppm	0.4803 ppm	10.0274 ppm	0.5052 ppm	0.4885 ppm	0.5014 ppm
Recovery Percentage	99.348 %	99.548 %	96.120 %	100.136 %	101.302 %	97.736 %	100.045 %
Concentration RSD	0.9 %	0.2 %	0.2 %	0.2 %	0.2 %	0.3 %	0.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4722 ppm	5.3209 ppm	0.4862 ppm	0.4874 ppm	0.4903 ppm	0.4932 ppm	0.5042 ppm
Concentration per Run	0.4713 ppm	5.2961 ppm	0.4861 ppm	0.4854 ppm	0.4907 ppm	0.4898 ppm	0.5050 ppm
Concentration per Run	0.4748 ppm	5.3299 ppm	0.4858 ppm	0.4879 ppm	0.4920 ppm	0.4958 ppm	0.5036 ppm
Concentration per Run	0.4704 ppm	5.3368 ppm	0.4867 ppm	0.4889 ppm	0.4882 ppm	0.4939 ppm	0.5041 ppm
Recovery Percentage	94.431 %	101.351 %	97.241 %	97.486 %	98.061 %	98.633 %	100.844 %
Concentration RSD	0.5 %	0.4 %	0.1 %	0.4 %	0.4 %	0.6 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5008 ppm	100.2681 %	100.4004 %	100.1843 %	98.2425 %	98.7811 %	99.0455 %
Concentration per Run	0.5024 ppm	99.5985 %	101.0005 %	99.8050 %	97.3589 %	99.3971 %	98.2951 %
Concentration per Run	0.5011 ppm	100.2523 %	100.2921 %	100.7493 %	98.1800 %	98.0084 %	99.5757 %
Concentration per Run	0.4989 ppm	100.9534 %	99.9087 %	99.9986 %	99.1885 %	98.9377 %	99.2657 %
Recovery Percentage	100.158 %						
Concentration RSD	0.4 %	0.7 %	0.6 %	0.5 %	0.9 %	0.7 %	0.7 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: CCB
Analysis started at: 11/28/2025 11:53:09 AM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0003 ppm	0.0083 ppm	-0.0002 ppm	0.0009 ppm	0.0002 ppm	0.0000 ppm	-0.0043 ppm
Concentration per Run	0.0005 ppm	-0.0006 ppm	0.0003 ppm	0.0008 ppm	0.0001 ppm	0.0001 ppm	-0.0073 ppm
Concentration per Run	0.0003 ppm	0.0151 ppm	-0.0015 ppm	0.0001 ppm	0.0002 ppm	0.0000 ppm	-0.0059 ppm
Concentration per Run	0.0002 ppm	0.0104 ppm	0.0006 ppm	0.0016 ppm	0.0001 ppm	0.0000 ppm	0.0005 ppm
Recovery Percentage	4.702 %	8.278 %	-3.918 %	2.840 %	1.555 %	0.807 %	-4.252 %
Concentration RSD	43.4 %	97.2 %	572.4 %	93.1 %	44.1 %	156.2 %	97.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0005 ppm	-0.0002 ppm	0.0000 ppm	-0.0008 ppm	-0.0469 ppm	0.0024 ppm
Concentration per Run	0.0000 ppm	-0.0010 ppm	-0.0002 ppm	-0.0001 ppm	-0.0009 ppm	-0.0517 ppm	0.0041 ppm
Concentration per Run	0.0000 ppm	-0.0008 ppm	0.0000 ppm	0.0003 ppm	-0.0016 ppm	-0.0565 ppm	0.0022 ppm
Concentration per Run	-0.0001 ppm	0.0001 ppm	-0.0004 ppm	-0.0001 ppm	-0.0001 ppm	-0.0325 ppm	0.0011 ppm
Recovery Percentage	-0.381 %	-2.724 %	-1.967 %	0.207 %	-1.663 %	-1.877 %	48.408 %
Concentration RSD	222.4 %	101.0 %	115.7 %	1,029.0 %	90.3 %	27.1 %	62.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0007 ppm	0.0001 ppm	-0.0002 ppm	-0.0081 ppm	-0.0013 ppm	-0.0012 ppm	0.0011 ppm
Concentration per Run	0.0013 ppm	0.0002 ppm	-0.0002 ppm	-0.0043 ppm	-0.0009 ppm	-0.0014 ppm	0.0003 ppm
Concentration per Run	-0.0003 ppm	0.0001 ppm	-0.0004 ppm	-0.0075 ppm	-0.0013 ppm	-0.0013 ppm	0.0040 ppm
Concentration per Run	-0.0031 ppm	0.0000 ppm	0.0000 ppm	-0.0127 ppm	-0.0015 ppm	-0.0010 ppm	-0.0010 ppm
Recovery Percentage	-0.705 %	0.962 %	-0.448 %	-0.406 %	-5.027 %	-12.002 %	2.183 %
Concentration RSD	313.8 %	132.9 %	92.2 %	52.1 %	23.8 %	17.1 %	236.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0014 ppm	0.0011 ppm	0.0010 ppm	0.0000 ppm	-0.0004 ppm	0.0009 ppm	0.0001 ppm
Concentration per Run	0.0037 ppm	0.0012 ppm	0.0003 ppm	0.0000 ppm	-0.0007 ppm	0.0004 ppm	-0.0005 ppm
Concentration per Run	0.0009 ppm	0.0001 ppm	0.0013 ppm	0.0000 ppm	0.0000 ppm	0.0015 ppm	0.0003 ppm
Concentration per Run	-0.0003 ppm	0.0019 ppm	0.0012 ppm	0.0000 ppm	-0.0006 ppm	0.0008 ppm	0.0003 ppm
Recovery Percentage	14.199 %	0.217 %	1.911 %	0.091 %	-4.126 %	4.395 %	0.516 %
Concentration RSD	141.8 %	82.5 %	56.4 %	448.6 %	95.2 %	64.1 %	880.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0000 ppm	98.5422 %	98.1074 %	99.3522 %	98.8497 %	97.9146 %	98.8432 %
Concentration per Run	0.0001 ppm	98.7858 %	97.7981 %	99.1232 %	98.8037 %	97.7030 %	98.5310 %
Concentration per Run	-0.0002 ppm	98.6899 %	98.3877 %	100.0305 %	98.9644 %	97.9005 %	99.7681 %
Concentration per Run	0.0001 ppm	98.1510 %	98.1365 %	98.9028 %	98.7810 %	98.1402 %	98.2305 %
Recovery Percentage	-0.077 %						
Concentration RSD	5,106.2 %	0.3 %	0.3 %	0.6 %	0.1 %	0.2 %	0.8 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574432-03D2 WG2145767
Analysis started at: 11/28/2025 11:59:04 AM
Comment <Comment>
Rack Number 1
Vial Numbers 59

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0008 ppm	87.9797 ppm	0.0280 ppm	0.4183 ppm	1.9005 ppm	0.0029 ppm	767.8330 ppm
Concentration per Run	0.0006 ppm	88.2548 ppm	0.0297 ppm	0.4177 ppm	1.9143 ppm	0.0030 ppm	769.8190 ppm
Concentration per Run	0.0010 ppm	88.0566 ppm	0.0244 ppm	0.4169 ppm	1.8999 ppm	0.0029 ppm	770.3060 ppm
Concentration per Run	0.0009 ppm	87.6278 ppm	0.0298 ppm	0.4203 ppm	1.8872 ppm	0.0029 ppm	763.3741 ppm
Concentration RSD	20.9 %	0.4 %	11.2 %	0.4 %	0.7 %	2.1 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0007 ppm	0.0190 ppm	0.1458 ppm	0.1223 ppm	58.8433 ppm	1.4530 ppm	0.0810 ppm
Concentration per Run	0.0008 ppm	0.0190 ppm	0.1451 ppm	0.1215 ppm	59.1472 ppm	1.4511 ppm	0.0785 ppm
Concentration per Run	0.0006 ppm	0.0187 ppm	0.1455 ppm	0.1220 ppm	58.8591 ppm	1.4749 ppm	0.0860 ppm
Concentration per Run	0.0006 ppm	0.0193 ppm	0.1466 ppm	0.1233 ppm	58.5235 ppm	1.4330 ppm	0.0784 ppm
Concentration RSD	16.2 %	1.5 %	0.5 %	0.7 %	0.5 %	1.4 %	5.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	42.1235 ppm	1.1719 ppm	0.0064 ppm	1.5132 ppm	0.0626 ppm	0.0428 ppm	0.0011 ppm
Concentration per Run	42.0010 ppm	1.1751 ppm	0.0067 ppm	1.5321 ppm	0.0619 ppm	0.0438 ppm	0.0007 ppm
Concentration per Run	42.2826 ppm	1.1755 ppm	0.0062 ppm	1.5090 ppm	0.0622 ppm	0.0430 ppm	0.0024 ppm
Concentration per Run	42.0870 ppm	1.1652 ppm	0.0063 ppm	1.4984 ppm	0.0639 ppm	0.0415 ppm	0.0003 ppm
Concentration RSD	0.3 %	0.5 %	4.6 %	1.1 %	1.7 %	2.8 %	98.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0071 ppm	31.8579 [SIC 100]	0.0100 ppm	3.5745 ppm	4.5278 ppm	0.0012 ppm	0.1468 ppm
Concentration per Run	0.0031 ppm	31.8317 ppm	0.0107 ppm	3.6042 ppm	4.5160 ppm	0.0015 ppm	0.1464 ppm
Concentration per Run	0.0101 ppm	31.7617 ppm	0.0083 ppm	3.5734 ppm	4.5435 ppm	0.0021 ppm	0.1459 ppm
Concentration per Run	0.0080 ppm	31.9802 ppm	0.0112 ppm	3.5458 ppm	4.5239 ppm	-0.0001 ppm	0.1481 ppm
Concentration RSD	50.6 %	0.4 %	15.5 %	0.8 %	0.3 %	101.6 %	0.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2874 ppm	92.4274 %	99.3546 %	84.6837 %	94.7912 %	103.5233 %	96.1240 %
Concentration per Run	0.2875 ppm	92.6523 %	99.0141 %	85.4331 %	94.8023 %	103.3993 %	97.1364 %
Concentration per Run	0.2875 ppm	92.3313 %	99.6216 %	83.5762 %	94.7418 %	104.4085 %	94.6700 %
Concentration per Run	0.2870 ppm	92.2984 %	99.4281 %	85.0419 %	94.8296 %	102.7621 %	96.5657 %
Concentration RSD	0.1 %	0.2 %	0.3 %	1.2 %	0.0 %	0.8 %	1.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574432-04D2 WG2145767
Analysis started at: 11/28/2025 12:01:22 PM
Comment <Comment>
Rack Number 1
Vial Numbers 60

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0006 ppm	66.6804 ppm	0.0123 ppm	0.1436 ppm	0.3021 ppm	0.0021 ppm	843.5106 ppm
Concentration per Run	0.0005 ppm	66.9939 ppm	0.0125 ppm	0.1429 ppm	0.3029 ppm	0.0020 ppm	846.7766 ppm
Concentration per Run	0.0007 ppm	66.3835 ppm	0.0135 ppm	0.1418 ppm	0.3010 ppm	0.0020 ppm	840.3956 ppm
Concentration per Run	0.0005 ppm	66.6638 ppm	0.0108 ppm	0.1459 ppm	0.3022 ppm	0.0021 ppm	843.3596 ppm
Concentration RSD	12.6 %	0.5 %	11.3 %	1.5 %	0.3 %	2.5 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0006 ppm	0.0162 ppm	0.1077 ppm	0.0555 ppm	55.2061 ppm	2.2201 ppm	0.0827 ppm
Concentration per Run	0.0007 ppm	0.0162 ppm	0.1060 ppm	0.0557 ppm	55.4519 ppm	2.2555 ppm	0.0923 ppm
Concentration per Run	0.0006 ppm	0.0160 ppm	0.1074 ppm	0.0558 ppm	54.9852 ppm	2.1973 ppm	0.0690 ppm
Concentration per Run	0.0006 ppm	0.0163 ppm	0.1096 ppm	0.0549 ppm	55.1813 ppm	2.2073 ppm	0.0867 ppm
Concentration RSD	7.1 %	1.3 %	1.7 %	0.9 %	0.4 %	1.4 %	14.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	44.4803 ppm	0.9172 ppm	0.0036 ppm	0.9667 ppm	0.0488 ppm	0.0336 ppm	-0.0012 ppm
Concentration per Run	44.5030 ppm	0.9223 ppm	0.0035 ppm	0.9646 ppm	0.0487 ppm	0.0338 ppm	0.0002 ppm
Concentration per Run	44.4632 ppm	0.9127 ppm	0.0035 ppm	0.9576 ppm	0.0475 ppm	0.0335 ppm	0.0002 ppm
Concentration per Run	44.4746 ppm	0.9165 ppm	0.0038 ppm	0.9779 ppm	0.0502 ppm	0.0335 ppm	-0.0039 ppm
Concentration RSD	0.0 %	0.5 %	4.6 %	1.1 %	2.8 %	0.5 %	198.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0008 ppm	9.2241 ppm	0.0101 ppm	2.9891 ppm	2.8052 ppm	0.0007 ppm	0.0925 ppm
Concentration per Run	-0.0007 ppm	9.2493 ppm	0.0105 ppm	3.0018 ppm	2.7992 ppm	0.0026 ppm	0.0925 ppm
Concentration per Run	-0.0055 ppm	9.2586 ppm	0.0103 ppm	2.9733 ppm	2.8133 ppm	-0.0008 ppm	0.0925 ppm
Concentration per Run	0.0036 ppm	9.1646 ppm	0.0093 ppm	2.9922 ppm	2.8030 ppm	0.0002 ppm	0.0926 ppm
Concentration RSD	535.8 %	0.6 %	6.6 %	0.5 %	0.3 %	263.7 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1253 ppm	91.3981 %	97.8046 %	83.8194 %	92.2777 %	100.9380 %	93.7435 %
Concentration per Run	0.1241 ppm	91.3233 %	97.7565 %	83.7755 %	92.0372 %	101.5027 %	93.8389 %
Concentration per Run	0.1257 ppm	91.2603 %	98.0100 %	83.5927 %	92.2279 %	100.7899 %	93.4001 %
Concentration per Run	0.1260 ppm	91.6107 %	97.6474 %	84.0899 %	92.5681 %	100.5212 %	93.9915 %
Concentration RSD	0.8 %	0.2 %	0.2 %	0.3 %	0.3 %	0.5 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574432-05D2 WG2145767
Analysis started at: 11/28/2025 12:03:32 PM
Comment <Comment>
Rack Number 2
Vial Numbers 1

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	55.9743 ppm	0.0111 ppm	0.0945 ppm	0.1852 ppm	0.0016 ppm	560.7597 ppm
Concentration per Run	0.0001 ppm	55.2753 ppm	0.0098 ppm	0.0939 ppm	0.1830 ppm	0.0015 ppm	553.5642 ppm
Concentration per Run	-0.0005 ppm	56.2652 ppm	0.0111 ppm	0.0920 ppm	0.1859 ppm	0.0016 ppm	564.4699 ppm
Concentration per Run	0.0005 ppm	56.3823 ppm	0.0123 ppm	0.0976 ppm	0.1867 ppm	0.0016 ppm	564.2449 ppm
Concentration RSD	1,575.5 %	1.1 %	11.6 %	3.0 %	1.1 %	1.9 %	1.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0108 ppm	0.0761 ppm	0.0259 ppm	38.2264 ppm	0.3896 ppm	0.0379 ppm
Concentration per Run	0.0001 ppm	0.0112 ppm	0.0768 ppm	0.0258 ppm	37.8354 ppm	0.4113 ppm	0.0358 ppm
Concentration per Run	0.0003 ppm	0.0109 ppm	0.0756 ppm	0.0255 ppm	38.4410 ppm	0.3825 ppm	0.0425 ppm
Concentration per Run	0.0002 ppm	0.0103 ppm	0.0758 ppm	0.0264 ppm	38.4029 ppm	0.3752 ppm	0.0353 ppm
Concentration RSD	33.3 %	4.6 %	0.8 %	1.7 %	0.9 %	4.9 %	10.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	32.8657 ppm	0.6017 ppm	0.0018 ppm	0.1008 ppm	0.0273 ppm	0.0173 ppm	0.0000 ppm
Concentration per Run	32.8698 ppm	0.5938 ppm	0.0019 ppm	0.0923 ppm	0.0276 ppm	0.0185 ppm	-0.0027 ppm
Concentration per Run	32.8284 ppm	0.6050 ppm	0.0016 ppm	0.1099 ppm	0.0270 ppm	0.0172 ppm	0.0039 ppm
Concentration per Run	32.8989 ppm	0.6063 ppm	0.0020 ppm	0.1002 ppm	0.0272 ppm	0.0162 ppm	-0.0012 ppm
Concentration RSD	0.1 %	1.1 %	10.3 %	8.8 %	1.1 %	6.8 %	16,513.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0016 ppm	11.6246 ppm	0.0073 ppm	1.3479 ppm	1.9156 ppm	0.0018 ppm	0.0633 ppm
Concentration per Run	0.0011 ppm	11.6605 ppm	0.0073 ppm	1.3377 ppm	1.9181 ppm	0.0016 ppm	0.0636 ppm
Concentration per Run	0.0046 ppm	11.5738 ppm	0.0075 ppm	1.3537 ppm	1.9111 ppm	0.0022 ppm	0.0628 ppm
Concentration per Run	-0.0009 ppm	11.6393 ppm	0.0070 ppm	1.3522 ppm	1.9176 ppm	0.0017 ppm	0.0636 ppm
Concentration RSD	177.3 %	0.4 %	3.8 %	0.7 %	0.2 %	17.4 %	0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0450 ppm	93.1388 %	99.1499 %	86.1944 %	92.6172 %	100.2704 %	94.0639 %
Concentration per Run	0.0453 ppm	92.9132 %	100.4735 %	86.3885 %	92.5604 %	100.8596 %	94.0664 %
Concentration per Run	0.0452 ppm	93.5194 %	97.7608 %	85.9089 %	93.1689 %	99.4280 %	93.8564 %
Concentration per Run	0.0446 ppm	92.9837 %	99.2153 %	86.2858 %	92.1224 %	100.5237 %	94.2690 %
Concentration RSD	0.8 %	0.4 %	1.4 %	0.3 %	0.6 %	0.7 %	0.2 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574432-06D2 WG2145767
Analysis started at: 11/28/2025 12:05:41 PM
Comment <Comment>
Rack Number 2
Vial Numbers 2

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	42.4778 ppm	0.0188 ppm	0.1286 ppm	0.2176 ppm	0.0017 ppm	363.9083 ppm
Concentration per Run	0.0000 ppm	42.5501 ppm	0.0177 ppm	0.1263 ppm	0.2165 ppm	0.0017 ppm	363.9152 ppm
Concentration per Run	-0.0001 ppm	42.4179 ppm	0.0170 ppm	0.1306 ppm	0.2190 ppm	0.0017 ppm	364.2209 ppm
Concentration per Run	-0.0004 ppm	42.4654 ppm	0.0216 ppm	0.1288 ppm	0.2172 ppm	0.0017 ppm	363.5888 ppm
Concentration RSD	160.7 %	0.2 %	13.2 %	1.7 %	0.6 %	1.4 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0064 ppm	0.1071 ppm	0.0258 ppm	40.2067 ppm	4.2166 ppm	0.0352 ppm
Concentration per Run	0.0004 ppm	0.0067 ppm	0.1062 ppm	0.0262 ppm	40.1386 ppm	4.1690 ppm	0.0458 ppm
Concentration per Run	0.0001 ppm	0.0063 ppm	0.1066 ppm	0.0256 ppm	40.4677 ppm	4.2454 ppm	0.0283 ppm
Concentration per Run	0.0002 ppm	0.0061 ppm	0.1084 ppm	0.0257 ppm	40.0139 ppm	4.2354 ppm	0.0314 ppm
Concentration RSD	56.5 %	5.0 %	1.1 %	1.2 %	0.6 %	1.0 %	26.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	24.6989 ppm	0.3935 ppm	0.0068 ppm	0.3248 ppm	0.0186 ppm	0.0473 ppm	0.0016 ppm
Concentration per Run	24.6835 ppm	0.3943 ppm	0.0071 ppm	0.3215 ppm	0.0184 ppm	0.0486 ppm	-0.0002 ppm
Concentration per Run	24.7386 ppm	0.3934 ppm	0.0065 ppm	0.3257 ppm	0.0187 ppm	0.0460 ppm	-0.0006 ppm
Concentration per Run	24.6744 ppm	0.3928 ppm	0.0068 ppm	0.3274 ppm	0.0186 ppm	0.0472 ppm	0.0055 ppm
Concentration RSD	0.1 %	0.2 %	4.6 %	0.9 %	0.8 %	2.7 %	215.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0017 ppm	15.1114 ppm	0.0062 ppm	1.5857 ppm	1.3124 ppm	0.0017 ppm	0.0732 ppm
Concentration per Run	0.0025 ppm	15.1039 ppm	0.0064 ppm	1.5802 ppm	1.3199 ppm	0.0013 ppm	0.0725 ppm
Concentration per Run	0.0041 ppm	15.0487 ppm	0.0064 ppm	1.5925 ppm	1.3047 ppm	0.0007 ppm	0.0732 ppm
Concentration per Run	-0.0015 ppm	15.1815 ppm	0.0058 ppm	1.5844 ppm	1.3126 ppm	0.0030 ppm	0.0738 ppm
Concentration RSD	171.9 %	0.4 %	5.7 %	0.4 %	0.6 %	72.6 %	0.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0866 ppm	95.1839 %	99.0813 %	88.6850 %	95.0613 %	100.5670 %	96.3912 %
Concentration per Run	0.0853 ppm	95.9843 %	99.6183 %	88.6805 %	95.7779 %	101.6459 %	96.6446 %
Concentration per Run	0.0875 ppm	94.4114 %	98.5765 %	88.7005 %	93.9889 %	99.8357 %	96.4359 %
Concentration per Run	0.0869 ppm	95.1562 %	99.0492 %	88.6742 %	95.4172 %	100.2195 %	96.0932 %
Concentration RSD	1.3 %	0.8 %	0.5 %	0.0 %	1.0 %	0.9 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574432-07D2 WG2145767
Analysis started at: 11/28/2025 12:07:51 PM
Comment <Comment>
Rack Number 2
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0009 ppm	60.3371 ppm	0.0295 ppm	0.1649 ppm	0.3446 ppm	0.0030 ppm	446.7703 ppm
Concentration per Run	0.0006 ppm	60.5553 ppm	0.0296 ppm	0.1631 ppm	0.3467 ppm	0.0031 ppm	447.5159 ppm
Concentration per Run	0.0008 ppm	60.1919 ppm	0.0276 ppm	0.1646 ppm	0.3441 ppm	0.0030 ppm	445.9920 ppm
Concentration per Run	0.0012 ppm	60.2643 ppm	0.0313 ppm	0.1672 ppm	0.3432 ppm	0.0030 ppm	446.8030 ppm
Concentration RSD	35.6 %	0.3 %	6.3 %	1.3 %	0.5 %	1.0 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0004 ppm	0.0091 ppm	0.2762 ppm	0.0280 ppm	76.2950 ppm	9.6893 ppm	0.0512 ppm
Concentration per Run	0.0004 ppm	0.0082 ppm	0.2770 ppm	0.0283 ppm	76.4746 ppm	9.6927 ppm	0.0610 ppm
Concentration per Run	0.0005 ppm	0.0094 ppm	0.2743 ppm	0.0277 ppm	76.0494 ppm	9.6702 ppm	0.0456 ppm
Concentration per Run	0.0004 ppm	0.0096 ppm	0.2771 ppm	0.0279 ppm	76.3609 ppm	9.7049 ppm	0.0470 ppm
Concentration RSD	1.9 %	8.1 %	0.6 %	1.2 %	0.3 %	0.2 %	16.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	36.9947 ppm	0.4859 ppm	0.0071 ppm	0.1830 ppm	0.0269 ppm	0.0273 ppm	0.0042 ppm
Concentration per Run	37.0897 ppm	0.4872 ppm	0.0074 ppm	0.1856 ppm	0.0267 ppm	0.0264 ppm	0.0062 ppm
Concentration per Run	37.1358 ppm	0.4853 ppm	0.0065 ppm	0.1836 ppm	0.0267 ppm	0.0283 ppm	0.0015 ppm
Concentration per Run	36.7586 ppm	0.4853 ppm	0.0073 ppm	0.1797 ppm	0.0273 ppm	0.0272 ppm	0.0049 ppm
Concentration RSD	0.6 %	0.2 %	7.3 %	1.6 %	1.3 %	3.5 %	57.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0047 ppm	36.0499 [SIC 100]	0.0073 ppm	1.1858 ppm	1.7236 ppm	0.0004 ppm	0.1224 ppm
Concentration per Run	0.0043 ppm	36.1874 ppm	0.0068 ppm	1.1898 ppm	1.7246 ppm	0.0013 ppm	0.1230 ppm
Concentration per Run	0.0032 ppm	36.0122 ppm	0.0074 ppm	1.1812 ppm	1.7299 ppm	0.0002 ppm	0.1220 ppm
Concentration per Run	0.0066 ppm	35.9500 ppm	0.0077 ppm	1.1864 ppm	1.7162 ppm	-0.0004 ppm	0.1223 ppm
Concentration RSD	36.6 %	0.3 %	6.2 %	0.4 %	0.4 %	227.5 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0915 ppm	95.2545 %	98.6147 %	86.9518 %	95.0376 %	100.5679 %	95.6678 %
Concentration per Run	0.0923 ppm	95.2150 %	98.4540 %	86.5076 %	94.9029 %	100.6688 %	95.2557 %
Concentration per Run	0.0909 ppm	95.2627 %	99.2123 %	87.3921 %	94.7966 %	100.7519 %	96.1513 %
Concentration per Run	0.0914 ppm	95.2859 %	98.1779 %	86.9556 %	95.4133 %	100.2830 %	95.5962 %
Concentration RSD	0.8 %	0.0 %	0.5 %	0.5 %	0.3 %	0.2 %	0.5 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2574432-08D2 WG2145767
Analysis started at: 11/28/2025 12:10:01 PM
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Rack Number 2
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0005 ppm	86.2261 ppm	0.0098 ppm	0.1122 ppm	0.2972 ppm	0.0024 ppm	980.3547 ppm
Concentration per Run	-0.0008 ppm	86.6147 ppm	0.0107 ppm	0.1125 ppm	0.2984 ppm	0.0024 ppm	982.8176 ppm
Concentration per Run	-0.0003 ppm	85.7357 ppm	0.0090 ppm	0.1133 ppm	0.2967 ppm	0.0023 ppm	975.6063 ppm
Concentration per Run	-0.0003 ppm	86.3279 ppm	0.0097 ppm	0.1109 ppm	0.2964 ppm	0.0024 ppm	982.6402 ppm
Concentration RSD	61.0 %	0.5 %	9.1 %	1.1 %	0.4 %	3.0 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0133 ppm	0.0893 ppm	0.0317 ppm	42.8435 ppm	0.3403 ppm	0.0669 ppm
Concentration per Run	0.0000 ppm	0.0131 ppm	0.0889 ppm	0.0318 ppm	43.0460 ppm	0.3553 ppm	0.0724 ppm
Concentration per Run	0.0002 ppm	0.0138 ppm	0.0891 ppm	0.0315 ppm	42.6843 ppm	0.3346 ppm	0.0540 ppm
Concentration per Run	0.0000 ppm	0.0129 ppm	0.0898 ppm	0.0318 ppm	42.8002 ppm	0.3309 ppm	0.0744 ppm
Concentration RSD	120.5 %	3.5 %	0.5 %	0.5 %	0.4 %	3.9 %	16.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	41.5343 ppm	1.4517 ppm	0.0019 ppm	0.1264 ppm	0.0436 ppm	0.0155 ppm	0.0024 ppm
Concentration per Run	41.6133 ppm	1.4554 ppm	0.0018 ppm	0.1290 ppm	0.0442 ppm	0.0154 ppm	0.0042 ppm
Concentration per Run	41.4421 ppm	1.4462 ppm	0.0022 ppm	0.1245 ppm	0.0433 ppm	0.0144 ppm	0.0018 ppm
Concentration per Run	41.5475 ppm	1.4537 ppm	0.0017 ppm	0.1258 ppm	0.0434 ppm	0.0166 ppm	0.0011 ppm
Concentration RSD	0.2 %	0.3 %	14.1 %	1.8 %	1.2 %	7.2 %	69.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0012 ppm	15.5034 ppm	0.0078 ppm	2.1319 ppm	2.9701 ppm	0.0006 ppm	0.0857 ppm
Concentration per Run	0.0037 ppm	15.5716 ppm	0.0076 ppm	2.1451 ppm	2.9787 ppm	0.0012 ppm	0.0860 ppm
Concentration per Run	-0.0008 ppm	15.4665 ppm	0.0077 ppm	2.1215 ppm	2.9684 ppm	0.0009 ppm	0.0855 ppm
Concentration per Run	0.0007 ppm	15.4722 ppm	0.0080 ppm	2.1291 ppm	2.9631 ppm	-0.0005 ppm	0.0856 ppm
Concentration RSD	191.3 %	0.4 %	2.9 %	0.6 %	0.3 %	161.6 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0547 ppm	90.8494 %	98.5240 %	82.9696 %	92.2117 %	101.2954 %	93.1691 %
Concentration per Run	0.0548 ppm	90.0070 %	98.2656 %	82.9242 %	91.5507 %	101.4899 %	93.1780 %
Concentration per Run	0.0547 ppm	91.3267 %	98.5967 %	83.1159 %	92.6065 %	100.5332 %	93.2133 %
Concentration per Run	0.0546 ppm	91.2144 %	98.7097 %	82.8686 %	92.4780 %	101.8629 %	93.1159 %
Concentration RSD	0.2 %	0.8 %	0.2 %	0.2 %	0.6 %	0.7 %	0.1 %

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LabBook: WG2147204_11282025T11.imexp

Sample: L2574432-09D2 WG2145767
Analysis started at: 11/28/2025 12:12:10 PM
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Rack Number 2
Vial Numbers 5

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	58.4047 ppm	0.0108 ppm	0.1317 ppm	0.3165 ppm	0.0017 ppm	720.2644 ppm
Concentration per Run	-0.0002 ppm	58.7331 ppm	0.0115 ppm	0.1323 ppm	0.3182 ppm	0.0017 ppm	725.6067 ppm
Concentration per Run	0.0001 ppm	58.1304 ppm	0.0107 ppm	0.1320 ppm	0.3136 ppm	0.0016 ppm	715.7736 ppm
Concentration per Run	0.0006 ppm	58.3505 ppm	0.0102 ppm	0.1308 ppm	0.3178 ppm	0.0017 ppm	719.4128 ppm
Concentration RSD	239.8 %	0.5 %	6.2 %	0.6 %	0.8 %	2.8 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0003 ppm	0.0197 ppm	0.0705 ppm	0.0699 ppm	44.2939 ppm	1.0825 ppm	0.0447 ppm
Concentration per Run	0.0002 ppm	0.0193 ppm	0.0711 ppm	0.0701 ppm	44.5462 ppm	1.1299 ppm	0.0501 ppm
Concentration per Run	0.0004 ppm	0.0206 ppm	0.0706 ppm	0.0701 ppm	43.9037 ppm	1.0583 ppm	0.0438 ppm
Concentration per Run	0.0003 ppm	0.0192 ppm	0.0699 ppm	0.0694 ppm	44.4319 ppm	1.0592 ppm	0.0404 ppm
Concentration RSD	41.7 %	3.9 %	0.9 %	0.6 %	0.8 %	3.8 %	11.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	34.0757 ppm	0.7390 ppm	0.0012 ppm	0.6440 ppm	0.0287 ppm	0.0140 ppm	0.0024 ppm
Concentration per Run	34.0415 ppm	0.7449 ppm	0.0014 ppm	0.6548 ppm	0.0284 ppm	0.0132 ppm	0.0026 ppm
Concentration per Run	34.1230 ppm	0.7345 ppm	0.0009 ppm	0.6339 ppm	0.0294 ppm	0.0156 ppm	0.0035 ppm
Concentration per Run	34.0625 ppm	0.7375 ppm	0.0015 ppm	0.6431 ppm	0.0283 ppm	0.0133 ppm	0.0011 ppm
Concentration RSD	0.1 %	0.7 %	26.3 %	1.6 %	2.2 %	9.9 %	51.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0027 ppm	51.8343 [SIC 100]	0.0092 ppm	3.0177 ppm	2.5511 ppm	0.0014 ppm	0.0716 ppm
Concentration per Run	-0.0017 ppm	52.0118 ppm	0.0086 ppm	3.0382 ppm	2.5449 ppm	0.0008 ppm	0.0722 ppm
Concentration per Run	-0.0061 ppm	52.0031 ppm	0.0084 ppm	2.9951 ppm	2.5604 ppm	0.0001 ppm	0.0717 ppm
Concentration per Run	-0.0003 ppm	51.4879 ppm	0.0105 ppm	3.0197 ppm	2.5480 ppm	0.0032 ppm	0.0709 ppm
Concentration RSD	114.4 %	0.6 %	12.5 %	0.7 %	0.3 %	119.3 %	1.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1129 ppm	91.4153 %	98.1113 %	84.6633 %	91.7152 %	99.3322 %	93.8244 %
Concentration per Run	0.1131 ppm	91.0556 %	96.7743 %	84.6124 %	91.3917 %	98.7841 %	93.3903 %
Concentration per Run	0.1141 ppm	91.2331 %	99.3044 %	85.1368 %	91.9724 %	100.1288 %	94.6500 %
Concentration per Run	0.1117 ppm	91.9572 %	98.2551 %	84.2407 %	91.7814 %	99.0838 %	93.4329 %
Concentration RSD	1.1 %	0.5 %	1.3 %	0.5 %	0.3 %	0.7 %	0.8 %

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LabBook: WG2147204_11282025T11.imexp

Sample: eL2574432-10D2 WG2145767
Analysis started at: 11/28/2025 12:14:20 PM
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Rack Number 2
Vial Numbers 6

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	82.5280 ppm	0.0109 ppm	0.1469 ppm	0.3527 ppm	0.0026 ppm	1,016.5120 [SIC 1000]
Concentration per Run	-0.0005 ppm	82.4483 ppm	0.0095 ppm	0.1469 ppm	0.3534 ppm	0.0026 ppm	1,014.8081 ppm
Concentration per Run	0.0000 ppm	82.4747 ppm	0.0124 ppm	0.1452 ppm	0.3531 ppm	0.0025 ppm	1,015.3623 ppm
Concentration per Run	-0.0002 ppm	82.6611 ppm	0.0109 ppm	0.1486 ppm	0.3516 ppm	0.0026 ppm	1,019.3656 ppm
Concentration RSD	123.9 %	0.1 %	13.2 %	1.2 %	0.3 %	2.2 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0219 ppm	0.0713 ppm	0.0842 ppm	68.6200 ppm	2.5448 ppm	0.0655 ppm
Concentration per Run	0.0002 ppm	0.0222 ppm	0.0716 ppm	0.0842 ppm	68.5782 ppm	2.5526 ppm	0.0627 ppm
Concentration per Run	0.0002 ppm	0.0218 ppm	0.0715 ppm	0.0843 ppm	68.4883 ppm	2.5470 ppm	0.0719 ppm
Concentration per Run	0.0002 ppm	0.0216 ppm	0.0708 ppm	0.0842 ppm	68.7934 ppm	2.5347 ppm	0.0619 ppm
Concentration RSD	12.7 %	1.4 %	0.6 %	0.1 %	0.2 %	0.4 %	8.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	49.9768 ppm	1.3731 ppm	0.0008 ppm	1.8825 ppm	0.0501 ppm	0.0194 ppm	-0.0018 ppm
Concentration per Run	49.8955 ppm	1.3718 ppm	0.0010 ppm	1.8804 ppm	0.0506 ppm	0.0187 ppm	-0.0010 ppm
Concentration per Run	50.0303 ppm	1.3720 ppm	0.0010 ppm	1.8820 ppm	0.0491 ppm	0.0198 ppm	-0.0038 ppm
Concentration per Run	50.0045 ppm	1.3755 ppm	0.0005 ppm	1.8852 ppm	0.0507 ppm	0.0198 ppm	-0.0005 ppm
Concentration RSD	0.1 %	0.2 %	30.5 %	0.1 %	1.8 %	3.3 %	98.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0048 ppm	28.0860 [SIC 100]	0.0096 ppm	1.6104 ppm	3.0514 ppm	-0.0005 ppm	0.0929 ppm
Concentration per Run	0.0047 ppm	28.1176 ppm	0.0101 ppm	1.6107 ppm	3.0447 ppm	-0.0016 ppm	0.0929 ppm
Concentration per Run	0.0022 ppm	28.0597 ppm	0.0099 ppm	1.6085 ppm	3.0534 ppm	0.0007 ppm	0.0926 ppm
Concentration per Run	0.0075 ppm	28.0808 ppm	0.0087 ppm	1.6121 ppm	3.0560 ppm	-0.0005 ppm	0.0931 ppm
Concentration RSD	55.1 %	0.1 %	7.5 %	0.1 %	0.2 %	253.6 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0992 ppm	90.8668 %	97.3157 %	83.3702 %	99.4127 %	108.3342 %	101.3305 %
Concentration per Run	0.0998 ppm	90.7080 %	97.2472 %	82.8248 %	99.1873 %	108.1219 %	100.6976 %
Concentration per Run	0.0986 ppm	90.7523 %	97.5136 %	83.4381 %	99.0382 %	108.3594 %	101.4137 %
Concentration per Run	0.0993 ppm	91.1401 %	97.1864 %	83.8478 %	100.0125 %	108.5212 %	101.8804 %
Concentration RSD	0.6 %	0.3 %	0.2 %	0.6 %	0.5 %	0.2 %	0.6 %

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LabBook: WG2147204_11282025T11.imexp

Sample: L2574432-11D2 WG2145767
Analysis started at: 11/28/2025 12:16:30 PM
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Rack Number 2
Vial Numbers 7

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	57.0335 ppm	0.0100 ppm	0.1049 ppm	0.2315 ppm	0.0015 ppm	591.5681 ppm
Concentration per Run	0.0003 ppm	56.9844 ppm	0.0134 ppm	0.1042 ppm	0.2317 ppm	0.0015 ppm	590.8285 ppm
Concentration per Run	-0.0003 ppm	57.1081 ppm	0.0076 ppm	0.1046 ppm	0.2321 ppm	0.0015 ppm	592.2934 ppm
Concentration per Run	-0.0003 ppm	57.0082 ppm	0.0090 ppm	0.1059 ppm	0.2308 ppm	0.0014 ppm	591.5823 ppm
Concentration RSD	331.9 %	0.1 %	30.1 %	0.9 %	0.3 %	1.8 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0005 ppm	0.0088 ppm	0.0835 ppm	0.0240 ppm	45.6611 ppm	0.6073 ppm	0.0387 ppm
Concentration per Run	0.0005 ppm	0.0084 ppm	0.0828 ppm	0.0236 ppm	45.8157 ppm	0.6365 ppm	0.0429 ppm
Concentration per Run	0.0005 ppm	0.0093 ppm	0.0839 ppm	0.0242 ppm	45.7516 ppm	0.5977 ppm	0.0352 ppm
Concentration per Run	0.0005 ppm	0.0088 ppm	0.0839 ppm	0.0244 ppm	45.4161 ppm	0.5878 ppm	0.0379 ppm
Concentration RSD	7.8 %	4.7 %	0.8 %	1.8 %	0.5 %	4.2 %	10.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	34.7881 ppm	0.5783 ppm	0.0019 ppm	0.2704 ppm	0.0238 ppm	0.0184 ppm	0.0017 ppm
Concentration per Run	34.7862 ppm	0.5782 ppm	0.0023 ppm	0.2703 ppm	0.0243 ppm	0.0180 ppm	0.0002 ppm
Concentration per Run	34.7806 ppm	0.5780 ppm	0.0021 ppm	0.2715 ppm	0.0247 ppm	0.0182 ppm	0.0007 ppm
Concentration per Run	34.7976 ppm	0.5786 ppm	0.0015 ppm	0.2693 ppm	0.0225 ppm	0.0189 ppm	0.0043 ppm
Concentration RSD	0.0 %	0.1 %	21.5 %	0.4 %	4.9 %	2.6 %	130.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0070 ppm	39.8148 [SIC 100]	0.0062 ppm	2.5614 ppm	2.0999 ppm	0.0001 ppm	0.0681 ppm
Concentration per Run	0.0072 ppm	39.6356 ppm	0.0072 ppm	2.5606 ppm	2.0973 ppm	-0.0006 ppm	0.0676 ppm
Concentration per Run	0.0050 ppm	39.9483 ppm	0.0054 ppm	2.5714 ppm	2.1087 ppm	-0.0009 ppm	0.0683 ppm
Concentration per Run	0.0089 ppm	39.8604 ppm	0.0060 ppm	2.5521 ppm	2.0939 ppm	0.0017 ppm	0.0684 ppm
Concentration RSD	27.7 %	0.4 %	14.5 %	0.4 %	0.4 %	1,372.8 %	0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0599 ppm	93.3848 %	99.0650 %	85.8598 %	93.1428 %	99.9438 %	94.1331 %
Concentration per Run	0.0593 ppm	93.7934 %	98.8107 %	86.4197 %	93.1407 %	99.8352 %	94.4059 %
Concentration per Run	0.0601 ppm	93.0040 %	99.0636 %	85.5164 %	93.5441 %	99.9582 %	94.0372 %
Concentration per Run	0.0603 ppm	93.3569 %	99.3209 %	85.6434 %	92.7437 %	100.0381 %	93.9563 %
Concentration RSD	0.9 %	0.4 %	0.3 %	0.6 %	0.4 %	0.1 %	0.3 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2574497-01D2 WG2145767
Analysis started at: 11/28/2025 12:18:39 PM
Comment <Comment>
Rack Number 2
Vial Numbers 8

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0017 ppm	93.9554 ppm	0.1274 ppm	0.0336 ppm	0.7485 ppm	0.0064 ppm	77.0890 ppm
Concentration per Run	0.0013 ppm	93.3240 ppm	0.1280 ppm	0.0324 ppm	0.7452 ppm	0.0064 ppm	76.6875 ppm
Concentration per Run	0.0016 ppm	94.0410 ppm	0.1264 ppm	0.0333 ppm	0.7525 ppm	0.0065 ppm	77.1415 ppm
Concentration per Run	0.0023 ppm	94.5013 ppm	0.1278 ppm	0.0351 ppm	0.7478 ppm	0.0064 ppm	77.4378 ppm
Concentration RSD	29.9 %	0.6 %	0.7 %	4.2 %	0.5 %	0.3 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0026 ppm	0.0801 ppm	0.1057 ppm	0.1707 ppm	201.7191 ppm	6.0226 ppm	0.0927 ppm
Concentration per Run	0.0026 ppm	0.0801 ppm	0.1056 ppm	0.1709 ppm	200.7190 ppm	6.0222 ppm	0.0935 ppm
Concentration per Run	0.0025 ppm	0.0802 ppm	0.1068 ppm	0.1703 ppm	202.0513 ppm	6.0235 ppm	0.0933 ppm
Concentration per Run	0.0026 ppm	0.0799 ppm	0.1048 ppm	0.1708 ppm	202.3870 ppm	6.0221 ppm	0.0913 ppm
Concentration RSD	1.0 %	0.2 %	1.0 %	0.2 %	0.4 %	0.0 %	1.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	19.7920 ppm	6.7163 ppm	0.0165 ppm	1.2289 ppm	0.1530 ppm	0.2283 ppm	0.0015 ppm
Concentration per Run	19.8461 ppm	6.6784 ppm	0.0170 ppm	1.2098 ppm	0.1533 ppm	0.2283 ppm	0.0005 ppm
Concentration per Run	19.6510 ppm	6.7308 ppm	0.0160 ppm	1.2377 ppm	0.1535 ppm	0.2282 ppm	0.0027 ppm
Concentration per Run	19.8790 ppm	6.7396 ppm	0.0166 ppm	1.2390 ppm	0.1524 ppm	0.2284 ppm	0.0012 ppm
Concentration RSD	0.6 %	0.5 %	3.2 %	1.3 %	0.4 %	0.0 %	79.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0045 ppm	7.3374 ppm	0.0082 ppm	0.2979 ppm	1.2783 ppm	0.0002 ppm	0.1743 ppm
Concentration per Run	0.0026 ppm	7.3923 ppm	0.0085 ppm	0.2977 ppm	1.2764 ppm	0.0000 ppm	0.1755 ppm
Concentration per Run	0.0080 ppm	7.3019 ppm	0.0091 ppm	0.2988 ppm	1.2750 ppm	-0.0005 ppm	0.1740 ppm
Concentration per Run	0.0030 ppm	7.3180 ppm	0.0071 ppm	0.2973 ppm	1.2835 ppm	0.0011 ppm	0.1734 ppm
Concentration RSD	65.9 %	0.7 %	12.2 %	0.3 %	0.4 %	345.6 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.7296 ppm	99.2723 %	102.3676 %	92.9055 %	112.4917 %	117.7632 %	113.9323 %
Concentration per Run	0.7354 ppm	98.7105 %	102.9339 %	92.4289 %	111.6493 %	118.1287 %	113.6526 %
Concentration per Run	0.7294 ppm	99.6922 %	103.2615 %	93.3661 %	113.1736 %	118.6826 %	114.5542 %
Concentration per Run	0.7239 ppm	99.4142 %	100.9074 %	92.9216 %	112.6522 %	116.4783 %	113.5902 %
Concentration RSD	0.8 %	0.5 %	1.2 %	0.5 %	0.7 %	1.0 %	0.5 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: CCV
Analysis started at: 11/28/2025 12:29:22 PM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0287 ppm	0.2236 ppm	0.0000 ppm	0.8203 ppm	0.1989 ppm	0.1999 ppm	0.1970 ppm
Concentration per Run	0.0860 ppm	0.1790 ppm	0.0001 ppm	2.3775 ppm	0.1514 ppm	0.1509 ppm	0.1479 ppm
Concentration per Run	-0.0001 ppm	0.2263 ppm	-0.0001 ppm	0.0864 ppm	0.1984 ppm	0.1990 ppm	0.1965 ppm
Concentration per Run	0.0001 ppm	0.2655 ppm	0.0001 ppm	-0.0029 ppm	0.2469 ppm	0.2499 ppm	0.2465 ppm
Recovery Percentage	5.733 %	44.718 %	0.006 %	164.061 %	39.784 %	39.990 %	39.396 %
Concentration RSD	173.3 %	19.4 %	367.7 %	164.5 %	24.0 %	24.8 %	25.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0027 ppm	0.2870 ppm	0.3769 ppm	0.2567 ppm	0.2007 ppm	2.1108 ppm	0.2106 ppm
Concentration per Run	0.0093 ppm	0.8024 ppm	1.0589 ppm	0.7509 ppm	0.1550 ppm	1.5581 ppm	0.1573 ppm
Concentration per Run	-0.0013 ppm	0.0594 ppm	0.0724 ppm	0.0224 ppm	0.2027 ppm	2.1098 ppm	0.2131 ppm
Concentration per Run	0.0000 ppm	-0.0007 ppm	-0.0006 ppm	-0.0033 ppm	0.2444 ppm	2.6645 ppm	0.2612 ppm
Recovery Percentage	0.532 %	57.408 %	75.378 %	51.337 %	40.137 %	42.216 %	42.111 %
Concentration RSD	216.5 %	155.8 %	157.0 %	166.8 %	22.3 %	26.2 %	24.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.2206 ppm	0.2053 ppm	-0.0322 ppm	4.1786 ppm	-0.7062 ppm	-0.0008 ppm	0.2287 ppm
Concentration per Run	-0.9879 ppm	0.1574 ppm	-0.1137 ppm	3.1417 ppm	-2.0306 ppm	-0.0007 ppm	0.8623 ppm
Concentration per Run	0.3241 ppm	0.2056 ppm	0.0175 ppm	4.2015 ppm	-0.0890 ppm	-0.0011 ppm	-0.1787 ppm
Concentration per Run	0.0020 ppm	0.2530 ppm	-0.0004 ppm	5.1927 ppm	0.0009 ppm	-0.0007 ppm	0.0025 ppm
Recovery Percentage	-44.117 %	41.060 %	-6.435 %	41.786 %	-141.245 %	-0.166 %	45.740 %
Concentration RSD	310.0 %	23.3 %	221.2 %	24.5 %	162.5 %	23.9 %	243.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0031 ppm	1.7679 ppm	-0.2476 ppm	0.1968 ppm	-0.2942 ppm	0.0013 ppm	-0.0539 ppm
Concentration per Run	0.0025 ppm	1.4541 ppm	-0.6685 ppm	0.1501 ppm	-0.8635 ppm	0.0014 ppm	-0.1529 ppm
Concentration per Run	0.0033 ppm	3.7425 ppm	-0.0744 ppm	0.1969 ppm	-0.0210 ppm	0.0013 ppm	-0.0090 ppm
Concentration per Run	0.0033 ppm	0.1070 ppm	0.0001 ppm	0.2436 ppm	0.0017 ppm	0.0013 ppm	0.0001 ppm
Recovery Percentage	0.614 %	33.674 %	-49.518 %	39.370 %	-58.848 %	0.265 %	-10.782 %
Concentration RSD	14.8 %	104.0 %	148.0 %	23.7 %	167.6 %	4.5 %	159.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0221 ppm	61.0024 %	166.0114 %	434.7008 %	67.7781 %	161.0929 %	431.7787 %
Concentration per Run	-0.0705 ppm	0.1472 %	185.7961 %	385.1060 %	-0.1194 %	180.3913 %	383.0030 %
Concentration per Run	0.0045 ppm	2.2061 %	163.6482 %	466.0304 %	2.0995 %	159.3968 %	450.5597 %
Concentration per Run	-0.0002 ppm	180.6539 %	148.5899 %	452.9659 %	201.3543 %	143.4906 %	461.7735 %
Recovery Percentage	-4.417 %						
Concentration RSD	190.2 %	169.9 %	11.3 %	10.0 %	170.7 %	11.5 %	9.9 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: CCB
Analysis started at: 11/28/2025 12:31:43 PM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0064 ppm	-0.0017 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	-0.0042 ppm
Concentration per Run	-0.0003 ppm	0.0087 ppm	-0.0011 ppm	-0.0009 ppm	0.0000 ppm	0.0001 ppm	-0.0010 ppm
Concentration per Run	-0.0002 ppm	0.0093 ppm	-0.0028 ppm	0.0009 ppm	-0.0003 ppm	0.0000 ppm	-0.0041 ppm
Concentration per Run	0.0001 ppm	0.0011 ppm	-0.0011 ppm	0.0002 ppm	0.0003 ppm	0.0000 ppm	-0.0076 ppm
Recovery Percentage	-2.009 %	6.356 %	-33.418 %	0.286 %	0.162 %	0.944 %	-4.236 %
Concentration RSD	120.6 %	72.2 %	58.4 %	1,106.6 %	1,664.2 %	106.2 %	78.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0001 ppm	-0.0003 ppm	-0.0002 ppm	-0.0018 ppm	-0.0563 ppm	0.0012 ppm
Concentration per Run	0.0000 ppm	-0.0002 ppm	0.0003 ppm	-0.0001 ppm	-0.0023 ppm	-0.0657 ppm	0.0012 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	-0.0006 ppm	-0.0006 ppm	-0.0021 ppm	-0.0630 ppm	0.0030 ppm
Concentration per Run	-0.0001 ppm	0.0002 ppm	-0.0007 ppm	0.0000 ppm	-0.0008 ppm	-0.0402 ppm	-0.0005 ppm
Recovery Percentage	0.007 %	0.397 %	-3.353 %	-2.321 %	-3.504 %	-2.252 %	24.010 %
Concentration RSD	29,980.1 %	349.6 %	159.8 %	132.6 %	45.4 %	24.9 %	146.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0012 ppm	-0.0001 ppm	-0.0003 ppm	-0.0120 ppm	-0.0005 ppm	-0.0012 ppm	0.0005 ppm
Concentration per Run	-0.0024 ppm	-0.0003 ppm	-0.0004 ppm	-0.0115 ppm	-0.0013 ppm	-0.0019 ppm	-0.0014 ppm
Concentration per Run	0.0014 ppm	0.0000 ppm	-0.0005 ppm	-0.0121 ppm	0.0001 ppm	-0.0009 ppm	0.0024 ppm
Concentration per Run	-0.0027 ppm	0.0000 ppm	-0.0001 ppm	-0.0123 ppm	-0.0003 ppm	-0.0008 ppm	0.0005 ppm
Recovery Percentage	-1.235 %	-0.920 %	-0.660 %	-0.600 %	-2.004 %	-12.077 %	0.939 %
Concentration RSD	188.0 %	211.5 %	69.5 %	3.5 %	150.1 %	46.9 %	403.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0014 ppm	0.0033 ppm	0.0004 ppm	0.0002 ppm	-0.0001 ppm	0.0000 ppm	-0.0002 ppm
Concentration per Run	-0.0016 ppm	0.0022 ppm	-0.0004 ppm	0.0002 ppm	-0.0003 ppm	0.0003 ppm	-0.0003 ppm
Concentration per Run	0.0054 ppm	0.0023 ppm	0.0002 ppm	0.0002 ppm	-0.0002 ppm	0.0000 ppm	-0.0002 ppm
Concentration per Run	0.0005 ppm	0.0055 ppm	0.0014 ppm	0.0001 ppm	0.0001 ppm	-0.0003 ppm	-0.0002 ppm
Recovery Percentage	14.440 %	0.663 %	0.826 %	1.577 %	-1.498 %	0.078 %	-2.025 %
Concentration RSD	250.4 %	56.4 %	225.6 %	30.0 %	124.5 %	1,620.7 %	21.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0001 ppm	97.3115 %	97.0877 %	98.4596 %	97.3646 %	97.5871 %	98.0187 %
Concentration per Run	0.0002 ppm	96.6810 %	97.2552 %	98.5409 %	96.3221 %	98.1932 %	98.3344 %
Concentration per Run	0.0003 ppm	97.5128 %	96.4829 %	98.4497 %	97.6337 %	97.2078 %	97.7573 %
Concentration per Run	0.0000 ppm	97.7405 %	97.5251 %	98.3883 %	98.1381 %	97.3603 %	97.9645 %
Recovery Percentage	2.909 %						
Concentration RSD	82.3 %	0.6 %	0.6 %	0.1 %	1.0 %	0.5 %	0.3 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: CCV
Analysis started at: 11/28/2025 12:47:08 PM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5075 ppm	0.4796 ppm	0.4774 ppm	0.4908 ppm	0.5017 ppm	0.5059 ppm	0.4893 ppm
Concentration per Run	0.5057 ppm	0.4733 ppm	0.4758 ppm	0.4861 ppm	0.4984 ppm	0.5036 ppm	0.4850 ppm
Concentration per Run	0.5086 ppm	0.4872 ppm	0.4816 ppm	0.4968 ppm	0.5007 ppm	0.5039 ppm	0.4895 ppm
Concentration per Run	0.5082 ppm	0.4783 ppm	0.4748 ppm	0.4897 ppm	0.5059 ppm	0.5102 ppm	0.4933 ppm
Recovery Percentage	101.502 %	95.921 %	95.481 %	98.170 %	100.331 %	101.174 %	97.850 %
Concentration RSD	0.3 %	1.5 %	0.8 %	1.1 %	0.8 %	0.7 %	0.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5170 ppm	0.5153 ppm	0.5170 ppm	0.5234 ppm	0.4914 ppm	5.1668 ppm	0.5198 ppm
Concentration per Run	0.5151 ppm	0.5131 ppm	0.5140 ppm	0.5222 ppm	0.4857 ppm	5.1278 ppm	0.5183 ppm
Concentration per Run	0.5198 ppm	0.5160 ppm	0.5187 ppm	0.5235 ppm	0.4916 ppm	5.1580 ppm	0.5174 ppm
Concentration per Run	0.5161 ppm	0.5167 ppm	0.5181 ppm	0.5246 ppm	0.4970 ppm	5.2148 ppm	0.5238 ppm
Recovery Percentage	103.395 %	103.052 %	103.391 %	104.687 %	98.284 %	103.337 %	103.967 %
Concentration RSD	0.5 %	0.4 %	0.5 %	0.2 %	1.1 %	0.9 %	0.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5069 ppm	0.5040 ppm	0.4913 ppm	10.2281 ppm	0.5162 ppm	0.4964 ppm	0.5119 ppm
Concentration per Run	0.5072 ppm	0.5020 ppm	0.4887 ppm	10.1626 ppm	0.5152 ppm	0.4964 ppm	0.5076 ppm
Concentration per Run	0.5085 ppm	0.5033 ppm	0.4942 ppm	10.1621 ppm	0.5191 ppm	0.4960 ppm	0.5143 ppm
Concentration per Run	0.5049 ppm	0.5068 ppm	0.4910 ppm	10.3596 ppm	0.5143 ppm	0.4970 ppm	0.5137 ppm
Recovery Percentage	101.377 %	100.802 %	98.257 %	102.281 %	103.241 %	99.290 %	102.372 %
Concentration RSD	0.4 %	0.5 %	0.6 %	1.1 %	0.5 %	0.1 %	0.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4783 ppm	5.4175 ppm	0.4951 ppm	0.4957 ppm	0.4981 ppm	0.4968 ppm	0.5148 ppm
Concentration per Run	0.4750 ppm	5.3839 ppm	0.4958 ppm	0.4916 ppm	0.4977 ppm	0.4944 ppm	0.5123 ppm
Concentration per Run	0.4787 ppm	5.4312 ppm	0.4957 ppm	0.4949 ppm	0.5006 ppm	0.4997 ppm	0.5163 ppm
Concentration per Run	0.4812 ppm	5.4373 ppm	0.4937 ppm	0.5005 ppm	0.4959 ppm	0.4963 ppm	0.5157 ppm
Recovery Percentage	95.656 %	103.190 %	99.018 %	99.139 %	99.611 %	99.362 %	102.956 %
Concentration RSD	0.6 %	0.5 %	0.2 %	0.9 %	0.5 %	0.5 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5095 ppm	99.0642 %	99.8080 %	98.9206 %	97.4147 %	97.9092 %	97.5863 %
Concentration per Run	0.5071 ppm	99.0416 %	101.0070 %	98.7781 %	97.5257 %	98.7352 %	97.5268 %
Concentration per Run	0.5131 ppm	98.7528 %	99.5398 %	99.2676 %	96.9144 %	97.5743 %	97.7207 %
Concentration per Run	0.5081 ppm	99.3983 %	98.8773 %	98.7161 %	97.8041 %	97.4180 %	97.5113 %
Recovery Percentage	101.891 %						
Concentration RSD	0.6 %	0.3 %	1.1 %	0.3 %	0.5 %	0.7 %	0.1 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: CCB
Analysis started at: 11/28/2025 12:49:29 PM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0042 ppm	-0.0002 ppm	-0.0008 ppm	0.0002 ppm	0.0000 ppm	-0.0037 ppm
Concentration per Run	-0.0002 ppm	-0.0041 ppm	0.0005 ppm	-0.0019 ppm	0.0002 ppm	0.0001 ppm	-0.0053 ppm
Concentration per Run	0.0000 ppm	0.0128 ppm	-0.0013 ppm	0.0001 ppm	0.0000 ppm	0.0001 ppm	-0.0036 ppm
Concentration per Run	-0.0002 ppm	0.0040 ppm	0.0002 ppm	-0.0006 ppm	0.0002 ppm	0.0000 ppm	-0.0022 ppm
Recovery Percentage	-2.069 %	4.246 %	-3.641 %	-2.651 %	1.677 %	0.878 %	-3.709 %
Concentration RSD	57.5 %	199.5 %	517.4 %	132.0 %	62.2 %	137.6 %	41.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0004 ppm	-0.0001 ppm	-0.0004 ppm	-0.0019 ppm	-0.0511 ppm	0.0014 ppm
Concentration per Run	0.0000 ppm	-0.0002 ppm	0.0000 ppm	-0.0002 ppm	-0.0020 ppm	-0.0634 ppm	0.0019 ppm
Concentration per Run	0.0000 ppm	-0.0004 ppm	-0.0003 ppm	-0.0008 ppm	-0.0012 ppm	-0.0437 ppm	0.0012 ppm
Concentration per Run	0.0000 ppm	-0.0006 ppm	0.0000 ppm	-0.0001 ppm	-0.0025 ppm	-0.0462 ppm	0.0009 ppm
Recovery Percentage	-0.023 %	-2.001 %	-1.425 %	-3.627 %	-3.770 %	-2.044 %	27.071 %
Concentration RSD	1,773.7 %	47.5 %	125.2 %	93.6 %	36.0 %	21.0 %	37.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0003 ppm	-0.0076 ppm	-0.0002 ppm	-0.0006 ppm	0.0027 ppm
Concentration per Run	-0.0007 ppm	0.0001 ppm	0.0000 ppm	-0.0137 ppm	-0.0006 ppm	-0.0003 ppm	0.0013 ppm
Concentration per Run	0.0006 ppm	-0.0001 ppm	0.0005 ppm	-0.0039 ppm	0.0002 ppm	-0.0012 ppm	0.0033 ppm
Concentration per Run	0.0002 ppm	-0.0001 ppm	0.0003 ppm	-0.0052 ppm	-0.0003 ppm	-0.0003 ppm	0.0036 ppm
Recovery Percentage	0.010 %	-0.280 %	0.507 %	-0.381 %	-0.887 %	-6.226 %	5.438 %
Concentration RSD	6,697.9 %	469.7 %	97.9 %	70.0 %	178.3 %	86.3 %	45.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0001 ppm	0.0016 ppm	0.0011 ppm	0.0002 ppm	-0.0006 ppm	0.0001 ppm	-0.0002 ppm
Concentration per Run	0.0008 ppm	0.0025 ppm	0.0022 ppm	0.0003 ppm	-0.0003 ppm	0.0002 ppm	-0.0001 ppm
Concentration per Run	-0.0016 ppm	0.0004 ppm	0.0002 ppm	0.0001 ppm	-0.0006 ppm	-0.0007 ppm	-0.0001 ppm
Concentration per Run	0.0005 ppm	0.0018 ppm	0.0009 ppm	0.0001 ppm	-0.0009 ppm	0.0007 ppm	-0.0003 ppm
Recovery Percentage	-0.764 %	0.315 %	2.164 %	1.671 %	-5.726 %	0.315 %	-1.799 %
Concentration RSD	1,690.4 %	69.8 %	95.3 %	52.3 %	52.9 %	1,124.7 %	62.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0001 ppm	96.7952 %	96.2048 %	97.4319 %	97.3010 %	96.1075 %	97.1611 %
Concentration per Run	0.0002 ppm	96.5058 %	96.2322 %	97.1009 %	96.9281 %	96.5416 %	96.7674 %
Concentration per Run	0.0001 ppm	97.0018 %	96.7644 %	98.0403 %	97.8863 %	96.7386 %	97.6959 %
Concentration per Run	0.0000 ppm	96.8780 %	95.6179 %	97.1545 %	97.0885 %	95.0424 %	97.0201 %
Recovery Percentage	1.817 %						
Concentration RSD	115.4 %	0.3 %	0.6 %	0.5 %	0.5 %	1.0 %	0.5 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574497-02D2 WG2145767
Analysis started at: 11/28/2025 12:52:38 PM
Comment <Comment>
Rack Number 2
Vial Numbers 9

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0036 ppm	42.1404 ppm	0.2471 ppm	0.0126 ppm	0.3656 ppm	0.0026 ppm	6.7556 ppm
Concentration per Run	0.0029 ppm	42.0823 ppm	0.2475 ppm	0.0124 ppm	0.3635 ppm	0.0026 ppm	6.7346 ppm
Concentration per Run	0.0042 ppm	42.0193 ppm	0.2461 ppm	0.0129 ppm	0.3670 ppm	0.0026 ppm	6.7354 ppm
Concentration per Run	0.0038 ppm	42.3196 ppm	0.2478 ppm	0.0124 ppm	0.3664 ppm	0.0026 ppm	6.7966 ppm
Concentration RSD	18.8 %	0.4 %	0.4 %	2.3 %	0.5 %	1.5 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0022 ppm	0.0529 ppm	0.0872 ppm	0.2638 ppm	350.7662 [SIC 800]	3.8372 ppm	0.0510 ppm
Concentration per Run	0.0023 ppm	0.0520 ppm	0.0871 ppm	0.2630 ppm	349.5194 ppm	3.8257 ppm	0.0512 ppm
Concentration per Run	0.0023 ppm	0.0529 ppm	0.0875 ppm	0.2647 ppm	350.4486 ppm	3.8374 ppm	0.0523 ppm
Concentration per Run	0.0021 ppm	0.0538 ppm	0.0870 ppm	0.2636 ppm	352.3306 ppm	3.8485 ppm	0.0495 ppm
Concentration RSD	6.5 %	1.7 %	0.3 %	0.3 %	0.4 %	0.3 %	2.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	12.4296 ppm	3.3125 ppm	0.0142 ppm	0.9966 ppm	0.1371 ppm	0.2156 ppm	0.0002 ppm
Concentration per Run	12.3929 ppm	3.3058 ppm	0.0139 ppm	0.9937 ppm	0.1365 ppm	0.2163 ppm	-0.0002 ppm
Concentration per Run	12.4712 ppm	3.3096 ppm	0.0143 ppm	0.9970 ppm	0.1367 ppm	0.2143 ppm	0.0012 ppm
Concentration per Run	12.4246 ppm	3.3220 ppm	0.0145 ppm	0.9992 ppm	0.1380 ppm	0.2161 ppm	-0.0003 ppm
Concentration RSD	0.3 %	0.3 %	2.0 %	0.3 %	0.6 %	0.5 %	400.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0012 ppm	1.6919 ppm	0.0064 ppm	0.0448 ppm	0.5695 ppm	0.0003 ppm	0.1115 ppm
Concentration per Run	0.0012 ppm	1.6851 ppm	0.0062 ppm	0.0446 ppm	0.5672 ppm	-0.0008 ppm	0.1119 ppm
Concentration per Run	0.0020 ppm	1.6978 ppm	0.0054 ppm	0.0450 ppm	0.5707 ppm	0.0008 ppm	0.1115 ppm
Concentration per Run	0.0004 ppm	1.6927 ppm	0.0076 ppm	0.0450 ppm	0.5705 ppm	0.0008 ppm	0.1112 ppm
Concentration RSD	68.1 %	0.4 %	17.2 %	0.5 %	0.3 %	334.9 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.1208 ppm	99.8092 %	101.1661 %	92.6204 %	105.7820 %	109.4600 %	107.2206 %
Concentration per Run	1.1209 ppm	99.7482 %	101.7079 %	92.7718 %	105.6102 %	109.9844 %	107.0390 %
Concentration per Run	1.1206 ppm	99.4615 %	101.0580 %	92.7465 %	105.4192 %	109.1798 %	107.5007 %
Concentration per Run	1.1210 ppm	100.2179 %	100.7324 %	92.3428 %	106.3165 %	109.2159 %	107.1221 %
Concentration RSD	0.0 %	0.4 %	0.5 %	0.3 %	0.4 %	0.4 %	0.2 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574497-03D2 WG2145767
Analysis started at: 11/28/2025 12:54:48 PM
Comment <Comment>
Rack Number 2
Vial Numbers 10

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0024 ppm	59.0737 ppm	0.1802 ppm	0.0087 ppm	0.3650 ppm	0.0036 ppm	5.9274 ppm
Concentration per Run	0.0020 ppm	59.1595 ppm	0.1797 ppm	0.0079 ppm	0.3641 ppm	0.0036 ppm	5.9424 ppm
Concentration per Run	0.0026 ppm	59.0849 ppm	0.1811 ppm	0.0096 ppm	0.3644 ppm	0.0036 ppm	5.9332 ppm
Concentration per Run	0.0026 ppm	58.9766 ppm	0.1798 ppm	0.0086 ppm	0.3663 ppm	0.0035 ppm	5.9067 ppm
Concentration RSD	13.5 %	0.2 %	0.4 %	10.1 %	0.3 %	0.8 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0027 ppm	0.0811 ppm	0.0955 ppm	0.3181 ppm	267.1140 ppm	4.1158 ppm	0.0839 ppm
Concentration per Run	0.0029 ppm	0.0816 ppm	0.0957 ppm	0.3179 ppm	266.7495 ppm	4.1219 ppm	0.0850 ppm
Concentration per Run	0.0027 ppm	0.0812 ppm	0.0963 ppm	0.3188 ppm	267.8220 ppm	4.1274 ppm	0.0851 ppm
Concentration per Run	0.0027 ppm	0.0804 ppm	0.0944 ppm	0.3175 ppm	266.7704 ppm	4.0980 ppm	0.0815 ppm
Concentration RSD	4.3 %	0.8 %	1.0 %	0.2 %	0.2 %	0.4 %	2.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	17.7781 ppm	7.4788 ppm	0.0145 ppm	0.1494 ppm	0.1831 ppm	0.1865 ppm	0.0020 ppm
Concentration per Run	17.7514 ppm	7.4868 ppm	0.0144 ppm	0.1477 ppm	0.1834 ppm	0.1847 ppm	0.0036 ppm
Concentration per Run	17.7986 ppm	7.4751 ppm	0.0145 ppm	0.1498 ppm	0.1834 ppm	0.1894 ppm	0.0008 ppm
Concentration per Run	17.7842 ppm	7.4747 ppm	0.0146 ppm	0.1506 ppm	0.1825 ppm	0.1854 ppm	0.0017 ppm
Concentration RSD	0.1 %	0.1 %	0.7 %	1.0 %	0.3 %	1.3 %	69.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0017 ppm	2.0166 ppm	0.0066 ppm	0.0405 ppm	0.9444 ppm	0.0005 ppm	0.1207 ppm
Concentration per Run	0.0023 ppm	2.0186 ppm	0.0078 ppm	0.0405 ppm	0.9420 ppm	0.0003 ppm	0.1205 ppm
Concentration per Run	0.0004 ppm	2.0175 ppm	0.0069 ppm	0.0404 ppm	0.9449 ppm	0.0011 ppm	0.1209 ppm
Concentration per Run	0.0023 ppm	2.0138 ppm	0.0052 ppm	0.0405 ppm	0.9462 ppm	0.0002 ppm	0.1209 ppm
Concentration RSD	65.0 %	0.1 %	19.6 %	0.2 %	0.2 %	97.2 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0729 ppm	100.4296 %	100.7934 %	93.4097 %	118.8220 %	121.8180 %	120.0203 %
Concentration per Run	1.0774 ppm	100.0418 %	100.5787 %	93.5688 %	118.3656 %	121.7668 %	120.2254 %
Concentration per Run	1.0732 ppm	100.0854 %	100.7414 %	93.1370 %	118.2764 %	121.9275 %	119.8987 %
Concentration per Run	1.0681 ppm	101.1615 %	101.0600 %	93.5234 %	119.8239 %	121.7598 %	119.9368 %
Concentration RSD	0.4 %	0.6 %	0.2 %	0.3 %	0.7 %	0.1 %	0.1 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: WG2147040-4D2 WG2147040
Analysis started at: 11/28/2025 12:56:58 PM
Comment <Comment>
Rack Number 2
Vial Numbers 11

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0386 ppm	11.9918 ppm	0.1051 ppm	0.7368 ppm	1.8012 ppm	0.0345 ppm	11.4293 ppm
Concentration per Run	0.0388 ppm	11.9881 ppm	0.1035 ppm	0.7364 ppm	1.7917 ppm	0.0344 ppm	11.4054 ppm
Concentration per Run	0.0386 ppm	11.9584 ppm	0.1065 ppm	0.7335 ppm	1.8004 ppm	0.0346 ppm	11.4138 ppm
Concentration per Run	0.0384 ppm	12.0288 ppm	0.1053 ppm	0.7404 ppm	1.8116 ppm	0.0346 ppm	11.4686 ppm
Concentration RSD	0.6 %	0.3 %	1.5 %	0.5 %	0.6 %	0.2 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0759 ppm	0.3351 ppm	0.1479 ppm	0.2205 ppm	14.2305 ppm	8.0794 ppm	0.8087 ppm
Concentration per Run	0.0760 ppm	0.3350 ppm	0.1482 ppm	0.2202 ppm	14.1895 ppm	8.0400 ppm	0.7934 ppm
Concentration per Run	0.0759 ppm	0.3357 ppm	0.1478 ppm	0.2204 ppm	14.2435 ppm	8.0943 ppm	0.8034 ppm
Concentration per Run	0.0757 ppm	0.3346 ppm	0.1477 ppm	0.2209 ppm	14.2585 ppm	8.1040 ppm	0.8295 ppm
Concentration RSD	0.2 %	0.2 %	0.2 %	0.2 %	0.3 %	0.4 %	2.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	8.0365 ppm	0.6060 ppm	0.7156 ppm	7.7990 ppm	0.3561 ppm	1.0662 ppm	0.2712 ppm
Concentration per Run	8.0404 ppm	0.6046 ppm	0.7158 ppm	7.7517 ppm	0.3543 ppm	1.0677 ppm	0.2743 ppm
Concentration per Run	8.0254 ppm	0.6043 ppm	0.7154 ppm	7.7807 ppm	0.3577 ppm	1.0653 ppm	0.2714 ppm
Concentration per Run	8.0437 ppm	0.6090 ppm	0.7157 ppm	7.8646 ppm	0.3563 ppm	1.0655 ppm	0.2680 ppm
Concentration RSD	0.1 %	0.4 %	0.0 %	0.8 %	0.5 %	0.1 %	1.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0872 ppm	3.2263 ppm	0.7200 ppm	0.7681 ppm	0.9150 ppm	0.0921 ppm	0.3800 ppm
Concentration per Run	0.0877 ppm	3.2249 ppm	0.7233 ppm	0.7642 ppm	0.9161 ppm	0.0921 ppm	0.3798 ppm
Concentration per Run	0.0879 ppm	3.2280 ppm	0.7155 ppm	0.7679 ppm	0.9139 ppm	0.0925 ppm	0.3801 ppm
Concentration per Run	0.0858 ppm	3.2259 ppm	0.7211 ppm	0.7724 ppm	0.9150 ppm	0.0916 ppm	0.3801 ppm
Concentration RSD	1.3 %	0.0 %	0.6 %	0.5 %	0.1 %	0.5 %	0.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	5.8233 ppm	97.4595 %	98.1957 %	96.3984 %	96.1804 %	98.2717 %	98.1816 %
Concentration per Run	5.8280 ppm	97.0611 %	98.2354 %	95.6506 %	96.1810 %	97.9495 %	97.2075 %
Concentration per Run	5.8023 ppm	97.9552 %	98.8562 %	96.6292 %	96.8613 %	98.7281 %	98.5673 %
Concentration per Run	5.8394 ppm	97.3624 %	97.4954 %	96.9155 %	95.4987 %	98.1375 %	98.7701 %
Concentration RSD	0.3 %	0.5 %	0.7 %	0.7 %	0.7 %	0.4 %	0.9 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: LDR 1000 Ca
Analysis started at: 11/28/2025 12:59:08 PM
Comment <Comment>
Rack Number 2
Vial Numbers 12

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0003 ppm	-0.0007 ppm	-0.0018 ppm	0.0006 ppm	0.0025 ppm	0.0000 ppm	998.2057 ppm
Concentration per Run	-0.0004 ppm	-0.0044 ppm	-0.0013 ppm	-0.0003 ppm	0.0023 ppm	0.0000 ppm	994.9106 ppm
Concentration per Run	0.0006 ppm	0.0011 ppm	-0.0015 ppm	0.0016 ppm	0.0026 ppm	0.0001 ppm	998.8507 ppm
Concentration per Run	-0.0011 ppm	0.0013 ppm	-0.0027 ppm	0.0004 ppm	0.0025 ppm	0.0000 ppm	1,000.8559 ppm
Concentration RSD	278.6 %	490.3 %	41.0 %	171.7 %	7.2 %	52.6 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0097 ppm	0.0002 ppm	0.0001 ppm	0.0008 ppm	0.0024 ppm	-0.0243 ppm	0.0751 ppm
Concentration per Run	0.0099 ppm	0.0007 ppm	-0.0002 ppm	0.0011 ppm	0.0023 ppm	-0.0003 ppm	0.0608 ppm
Concentration per Run	0.0095 ppm	0.0001 ppm	0.0005 ppm	0.0007 ppm	0.0017 ppm	-0.0338 ppm	0.0912 ppm
Concentration per Run	0.0098 ppm	0.0000 ppm	0.0001 ppm	0.0008 ppm	0.0032 ppm	-0.0387 ppm	0.0732 ppm
Concentration RSD	2.1 %	170.2 %	290.0 %	23.2 %	31.8 %	86.0 %	20.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0057 ppm	0.0003 ppm	0.0003 ppm	0.0061 ppm	0.0003 ppm	-0.0006 ppm	0.0041 ppm
Concentration per Run	0.0071 ppm	0.0003 ppm	0.0006 ppm	0.0079 ppm	0.0001 ppm	-0.0009 ppm	0.0042 ppm
Concentration per Run	0.0039 ppm	0.0002 ppm	-0.0001 ppm	0.0047 ppm	-0.0005 ppm	-0.0006 ppm	0.0077 ppm
Concentration per Run	0.0060 ppm	0.0003 ppm	0.0005 ppm	0.0056 ppm	0.0012 ppm	-0.0003 ppm	0.0006 ppm
Concentration RSD	29.3 %	6.8 %	115.7 %	27.6 %	339.3 %	48.7 %	85.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0009 ppm	0.0102 ppm	0.0005 ppm	-0.0051 ppm	0.0006 ppm	0.0012 ppm	0.0007 ppm
Concentration per Run	-0.0004 ppm	0.0108 ppm	-0.0009 ppm	-0.0050 ppm	0.0000 ppm	0.0001 ppm	0.0005 ppm
Concentration per Run	0.0012 ppm	0.0064 ppm	0.0003 ppm	-0.0051 ppm	0.0012 ppm	-0.0003 ppm	0.0010 ppm
Concentration per Run	0.0018 ppm	0.0133 ppm	0.0022 ppm	-0.0052 ppm	0.0007 ppm	0.0039 ppm	0.0007 ppm
Concentration RSD	136.0 %	34.2 %	296.4 %	1.9 %	95.1 %	191.7 %	39.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0016 ppm	86.0550 %	91.8714 %	80.3092 %	85.6589 %	92.3656 %	86.7614 %
Concentration per Run	0.0017 ppm	85.9929 %	91.9300 %	79.9599 %	85.6386 %	92.3510 %	86.5001 %
Concentration per Run	0.0012 ppm	86.1118 %	92.2696 %	80.2960 %	85.5687 %	92.9103 %	86.8499 %
Concentration per Run	0.0018 ppm	86.0602 %	91.4147 %	80.6716 %	85.7693 %	91.8355 %	86.9343 %
Concentration RSD	21.9 %	0.1 %	0.5 %	0.4 %	0.1 %	0.6 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574432-10D10 WG2145767
Analysis started at: 11/28/2025 1:09:45 PM
Comment <Comment>
Rack Number 2
Vial Numbers 13

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	16.7276 ppm	0.0028 ppm	0.0301 ppm	0.0712 ppm	0.0005 ppm	217.3286 ppm
Concentration per Run	0.0000 ppm	16.7935 ppm	0.0020 ppm	0.0291 ppm	0.0713 ppm	0.0005 ppm	217.5360 ppm
Concentration per Run	0.0001 ppm	16.6943 ppm	0.0027 ppm	0.0299 ppm	0.0710 ppm	0.0006 ppm	217.2134 ppm
Concentration per Run	0.0002 ppm	16.6949 ppm	0.0037 ppm	0.0312 ppm	0.0712 ppm	0.0005 ppm	217.2364 ppm
Concentration RSD	133.0 %	0.3 %	30.4 %	3.6 %	0.2 %	4.9 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0046 ppm	0.0143 ppm	0.0171 ppm	14.4986 ppm	0.4671 ppm	0.0177 ppm
Concentration per Run	-0.0001 ppm	0.0048 ppm	0.0142 ppm	0.0170 ppm	14.4605 ppm	0.4936 ppm	0.0175 ppm
Concentration per Run	0.0000 ppm	0.0042 ppm	0.0148 ppm	0.0171 ppm	14.5344 ppm	0.4537 ppm	0.0164 ppm
Concentration per Run	0.0000 ppm	0.0049 ppm	0.0141 ppm	0.0173 ppm	14.5008 ppm	0.4540 ppm	0.0191 ppm
Concentration RSD	74.3 %	8.1 %	2.6 %	0.9 %	0.3 %	4.9 %	7.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	10.8416 ppm	0.2852 ppm	0.0000 ppm	0.3605 ppm	0.0099 ppm	0.0034 ppm	0.0010 ppm
Concentration per Run	10.8360 ppm	0.2865 ppm	0.0000 ppm	0.3678 ppm	0.0096 ppm	0.0034 ppm	0.0005 ppm
Concentration per Run	10.8619 ppm	0.2852 ppm	0.0002 ppm	0.3591 ppm	0.0104 ppm	0.0029 ppm	0.0015 ppm
Concentration per Run	10.8269 ppm	0.2840 ppm	-0.0002 ppm	0.3546 ppm	0.0098 ppm	0.0039 ppm	0.0009 ppm
Concentration RSD	0.2 %	0.4 %	2,207.2 %	1.9 %	4.1 %	14.7 %	50.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0009 ppm	5.4869 ppm	0.0020 ppm	0.3260 ppm	0.6228 ppm	0.0010 ppm	0.0184 ppm
Concentration per Run	0.0015 ppm	5.5067 ppm	0.0031 ppm	0.3230 ppm	0.6214 ppm	0.0008 ppm	0.0188 ppm
Concentration per Run	0.0020 ppm	5.4814 ppm	0.0011 ppm	0.3278 ppm	0.6228 ppm	0.0017 ppm	0.0182 ppm
Concentration per Run	-0.0008 ppm	5.4726 ppm	0.0018 ppm	0.3271 ppm	0.6243 ppm	0.0005 ppm	0.0182 ppm
Concentration RSD	165.0 %	0.3 %	50.1 %	0.8 %	0.2 %	64.2 %	1.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0211 ppm	95.2421 %	97.7262 %	90.7161 %	95.1572 %	98.6052 %	96.2274 %
Concentration per Run	0.0212 ppm	95.5813 %	97.4336 %	90.0670 %	95.5815 %	98.8025 %	95.8710 %
Concentration per Run	0.0211 ppm	95.4108 %	97.7604 %	90.7928 %	95.3150 %	98.4586 %	96.4916 %
Concentration per Run	0.0210 ppm	94.7341 %	97.9845 %	91.2884 %	94.5752 %	98.5546 %	96.3197 %
Concentration RSD	0.5 %	0.5 %	0.3 %	0.7 %	0.5 %	0.2 %	0.3 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2574497-02D4 WG2145767
Analysis started at: 11/28/2025 1:12:06 PM
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Rack Number 2
Vial Numbers 14

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0011 ppm	21.7152 ppm	0.1327 ppm	0.0054 ppm	0.1884 ppm	0.0014 ppm	3.4818 ppm
Concentration per Run	0.0014 ppm	21.6643 ppm	0.1310 ppm	0.0055 ppm	0.1876 ppm	0.0013 ppm	3.4666 ppm
Concentration per Run	0.0008 ppm	21.7375 ppm	0.1336 ppm	0.0054 ppm	0.1883 ppm	0.0014 ppm	3.4841 ppm
Concentration per Run	0.0011 ppm	21.7440 ppm	0.1334 ppm	0.0054 ppm	0.1892 ppm	0.0014 ppm	3.4949 ppm
Concentration RSD	30.6 %	0.2 %	1.1 %	1.1 %	0.4 %	2.6 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0008 ppm	0.0279 ppm	0.0467 ppm	0.1357 ppm	185.8012 ppm	1.9172 ppm	0.0276 ppm
Concentration per Run	0.0009 ppm	0.0276 ppm	0.0463 ppm	0.1357 ppm	184.7560 ppm	1.9013 ppm	0.0268 ppm
Concentration per Run	0.0007 ppm	0.0284 ppm	0.0467 ppm	0.1361 ppm	186.0922 ppm	1.9197 ppm	0.0275 ppm
Concentration per Run	0.0008 ppm	0.0276 ppm	0.0469 ppm	0.1352 ppm	186.5553 ppm	1.9306 ppm	0.0286 ppm
Concentration RSD	10.2 %	1.7 %	0.7 %	0.3 %	0.5 %	0.8 %	3.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	6.5318 ppm	1.7112 ppm	0.0072 ppm	0.5079 ppm	0.0729 ppm	0.1090 ppm	0.0024 ppm
Concentration per Run	6.5092 ppm	1.7153 ppm	0.0069 ppm	0.5077 ppm	0.0726 ppm	0.1085 ppm	0.0013 ppm
Concentration per Run	6.5338 ppm	1.7067 ppm	0.0076 ppm	0.5050 ppm	0.0725 ppm	0.1086 ppm	0.0016 ppm
Concentration per Run	6.5524 ppm	1.7117 ppm	0.0072 ppm	0.5111 ppm	0.0735 ppm	0.1099 ppm	0.0041 ppm
Concentration RSD	0.3 %	0.3 %	4.4 %	0.6 %	0.8 %	0.7 %	63.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0041 ppm	0.8838 ppm	0.0030 ppm	0.0231 ppm	0.2895 ppm	0.0003 ppm	0.0585 ppm
Concentration per Run	-0.0003 ppm	0.8781 ppm	0.0024 ppm	0.0230 ppm	0.2886 ppm	0.0000 ppm	0.0581 ppm
Concentration per Run	0.0058 ppm	0.8870 ppm	0.0033 ppm	0.0229 ppm	0.2910 ppm	0.0013 ppm	0.0590 ppm
Concentration per Run	0.0069 ppm	0.8862 ppm	0.0031 ppm	0.0232 ppm	0.2890 ppm	-0.0003 ppm	0.0584 ppm
Concentration RSD	94.8 %	0.6 %	16.0 %	0.7 %	0.4 %	256.1 %	0.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5940 ppm	98.7159 %	100.0659 %	96.1848 %	101.1143 %	103.8267 %	103.3561 %
Concentration per Run	0.5891 ppm	98.6075 %	100.2328 %	95.9517 %	100.9547 %	103.5301 %	103.1346 %
Concentration per Run	0.5983 ppm	98.4891 %	100.2335 %	96.8731 %	100.8863 %	104.0794 %	104.1826 %
Concentration per Run	0.5947 ppm	99.0513 %	99.7314 %	95.7297 %	101.5019 %	103.8707 %	102.7510 %
Concentration RSD	0.8 %	0.3 %	0.3 %	0.6 %	0.3 %	0.3 %	0.7 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: CCV
Analysis started at: 11/28/2025 1:18:30 PM
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Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5114 ppm	0.4901 ppm	0.4864 ppm	0.4892 ppm	0.5075 ppm	0.5117 ppm	0.4989 ppm
Concentration per Run	0.5127 ppm	0.4796 ppm	0.4872 ppm	0.4898 ppm	0.5077 ppm	0.5114 ppm	0.4933 ppm
Concentration per Run	0.5090 ppm	0.4994 ppm	0.4842 ppm	0.4875 ppm	0.5080 ppm	0.5111 ppm	0.5008 ppm
Concentration per Run	0.5126 ppm	0.4913 ppm	0.4877 ppm	0.4904 ppm	0.5069 ppm	0.5126 ppm	0.5027 ppm
Recovery Percentage	102.287 %	98.014 %	97.274 %	97.849 %	101.510 %	102.343 %	99.789 %
Concentration RSD	0.4 %	2.0 %	0.4 %	0.3 %	0.1 %	0.2 %	1.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5213 ppm	0.5198 ppm	0.5214 ppm	0.5254 ppm	0.5005 ppm	5.2239 ppm	0.5253 ppm
Concentration per Run	0.5225 ppm	0.5201 ppm	0.5207 ppm	0.5240 ppm	0.5005 ppm	5.2375 ppm	0.5283 ppm
Concentration per Run	0.5173 ppm	0.5177 ppm	0.5205 ppm	0.5243 ppm	0.5038 ppm	5.2207 ppm	0.5249 ppm
Concentration per Run	0.5242 ppm	0.5217 ppm	0.5229 ppm	0.5281 ppm	0.4972 ppm	5.2135 ppm	0.5227 ppm
Recovery Percentage	104.264 %	103.969 %	104.273 %	105.088 %	100.104 %	104.478 %	105.067 %
Concentration RSD	0.7 %	0.4 %	0.3 %	0.4 %	0.7 %	0.2 %	0.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5069 ppm	0.5127 ppm	0.4936 ppm	10.3099 ppm	0.5206 ppm	0.5022 ppm	0.5134 ppm
Concentration per Run	0.5060 ppm	0.5113 ppm	0.4952 ppm	10.2886 ppm	0.5210 ppm	0.5012 ppm	0.5130 ppm
Concentration per Run	0.5024 ppm	0.5135 ppm	0.4904 ppm	10.2679 ppm	0.5181 ppm	0.5027 ppm	0.5112 ppm
Concentration per Run	0.5122 ppm	0.5133 ppm	0.4953 ppm	10.3733 ppm	0.5227 ppm	0.5026 ppm	0.5160 ppm
Recovery Percentage	101.374 %	102.541 %	98.725 %	103.099 %	104.116 %	100.433 %	102.679 %
Concentration RSD	1.0 %	0.2 %	0.6 %	0.5 %	0.4 %	0.2 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4813 ppm	5.4558 ppm	0.5007 ppm	0.5021 ppm	0.5020 ppm	0.5032 ppm	0.5175 ppm
Concentration per Run	0.4803 ppm	5.4561 ppm	0.5050 ppm	0.5023 ppm	0.5045 ppm	0.5041 ppm	0.5175 ppm
Concentration per Run	0.4831 ppm	5.4066 ppm	0.4953 ppm	0.5014 ppm	0.5000 ppm	0.5030 ppm	0.5148 ppm
Concentration per Run	0.4805 ppm	5.5046 ppm	0.5019 ppm	0.5026 ppm	0.5015 ppm	0.5024 ppm	0.5203 ppm
Recovery Percentage	96.252 %	103.920 %	100.148 %	100.422 %	100.401 %	100.637 %	103.501 %
Concentration RSD	0.3 %	0.9 %	1.0 %	0.1 %	0.5 %	0.2 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5150 ppm	98.5146 %	98.0041 %	98.8725 %	96.5035 %	96.5867 %	97.6995 %
Concentration per Run	0.5170 ppm	98.5197 %	98.6814 %	99.2081 %	95.9581 %	97.0787 %	98.0070 %
Concentration per Run	0.5110 ppm	99.1259 %	97.8160 %	98.4757 %	97.4901 %	96.5630 %	97.1964 %
Concentration per Run	0.5171 ppm	97.8982 %	97.5149 %	98.9338 %	96.0622 %	96.1184 %	97.8951 %
Recovery Percentage	102.998 %						
Concentration RSD	0.7 %	0.6 %	0.6 %	0.4 %	0.9 %	0.5 %	0.4 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: CCB
Analysis started at: 11/28/2025 1:20:46 PM
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Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0090 ppm	-0.0017 ppm	0.0009 ppm	0.0002 ppm	0.0000 ppm	-0.0017 ppm
Concentration per Run	-0.0003 ppm	0.0130 ppm	-0.0021 ppm	0.0015 ppm	0.0001 ppm	0.0000 ppm	-0.0039 ppm
Concentration per Run	-0.0001 ppm	0.0106 ppm	-0.0005 ppm	0.0003 ppm	0.0001 ppm	0.0001 ppm	-0.0006 ppm
Concentration per Run	0.0000 ppm	0.0035 ppm	-0.0026 ppm	0.0009 ppm	0.0003 ppm	0.0000 ppm	-0.0006 ppm
Recovery Percentage	-2.054 %	9.046 %	-34.676 %	2.952 %	1.730 %	0.889 %	-1.689 %
Concentration RSD	108.1 %	54.2 %	65.6 %	67.0 %	48.9 %	97.4 %	114.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0003 ppm	-0.0005 ppm	-0.0002 ppm	-0.0011 ppm	-0.0561 ppm	0.0021 ppm
Concentration per Run	-0.0001 ppm	0.0001 ppm	-0.0004 ppm	0.0000 ppm	-0.0015 ppm	-0.0412 ppm	0.0021 ppm
Concentration per Run	-0.0001 ppm	-0.0005 ppm	-0.0004 ppm	-0.0003 ppm	-0.0010 ppm	-0.0771 ppm	0.0024 ppm
Concentration per Run	0.0001 ppm	-0.0003 ppm	-0.0008 ppm	-0.0003 ppm	-0.0007 ppm	-0.0501 ppm	0.0018 ppm
Recovery Percentage	-0.813 %	-1.355 %	-5.225 %	-2.105 %	-2.149 %	-2.246 %	41.988 %
Concentration RSD	197.3 %	118.0 %	39.5 %	74.4 %	37.9 %	33.3 %	13.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0007 ppm	0.0000 ppm	0.0003 ppm	-0.0085 ppm	-0.0007 ppm	-0.0008 ppm	0.0025 ppm
Concentration per Run	0.0003 ppm	0.0002 ppm	0.0003 ppm	-0.0078 ppm	-0.0014 ppm	-0.0008 ppm	0.0027 ppm
Concentration per Run	-0.0009 ppm	-0.0002 ppm	0.0003 ppm	-0.0088 ppm	-0.0004 ppm	-0.0005 ppm	0.0012 ppm
Concentration per Run	-0.0014 ppm	0.0000 ppm	0.0002 ppm	-0.0089 ppm	-0.0004 ppm	-0.0012 ppm	0.0038 ppm
Recovery Percentage	-0.675 %	-0.120 %	0.506 %	-0.425 %	-2.879 %	-8.268 %	5.080 %
Concentration RSD	125.0 %	1,518.9 %	30.7 %	7.4 %	81.5 %	46.1 %	50.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0015 ppm	0.0011 ppm	0.0000 ppm	0.0001 ppm	-0.0003 ppm	0.0002 ppm	-0.0001 ppm
Concentration per Run	0.0020 ppm	0.0019 ppm	0.0003 ppm	0.0002 ppm	-0.0003 ppm	-0.0001 ppm	-0.0002 ppm
Concentration per Run	0.0001 ppm	0.0009 ppm	0.0000 ppm	0.0000 ppm	-0.0006 ppm	0.0009 ppm	0.0002 ppm
Concentration per Run	0.0024 ppm	0.0004 ppm	-0.0003 ppm	0.0001 ppm	0.0000 ppm	-0.0003 ppm	-0.0003 ppm
Recovery Percentage	15.148 %	0.215 %	0.071 %	0.928 %	-3.012 %	0.784 %	-1.137 %
Concentration RSD	80.7 %	71.5 %	869.1 %	89.0 %	96.4 %	402.2 %	211.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	97.1350 %	96.8009 %	97.8615 %	97.0329 %	96.6802 %	97.6480 %
Concentration per Run	0.0001 ppm	96.9771 %	96.1066 %	97.9627 %	96.7960 %	95.9924 %	97.9697 %
Concentration per Run	-0.0001 ppm	97.1753 %	96.9069 %	97.7475 %	97.0025 %	96.8935 %	97.4994 %
Concentration per Run	0.0005 ppm	97.2525 %	97.3893 %	97.8743 %	97.3003 %	97.1548 %	97.4749 %
Recovery Percentage	3.542 %						
Concentration RSD	175.8 %	0.1 %	0.7 %	0.1 %	0.3 %	0.6 %	0.3 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: WG2146050-1 WG2146050
Analysis started at: 11/28/2025 1:23:03 PM
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Rack Number 2
Vial Numbers 15

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0127 ppm	-0.0014 ppm	0.0014 ppm	0.0007 ppm	0.0000 ppm	0.0129 ppm
Concentration per Run	-0.0003 ppm	0.0090 ppm	-0.0016 ppm	0.0016 ppm	0.0007 ppm	0.0000 ppm	0.0133 ppm
Concentration per Run	0.0001 ppm	0.0196 ppm	-0.0017 ppm	0.0003 ppm	0.0006 ppm	0.0000 ppm	0.0124 ppm
Concentration per Run	0.0001 ppm	0.0094 ppm	-0.0009 ppm	0.0025 ppm	0.0007 ppm	-0.0001 ppm	0.0129 ppm
Recovery Percentage	-0.349 %	12.682 %	-28.225 %	4.783 %	6.845 %	-0.622 %	12.875 %
Concentration RSD	1,029.7 %	47.6 %	29.7 %	76.6 %	10.2 %	115.8 %	3.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0003 ppm	0.0003 ppm	-0.0002 ppm	0.0239 ppm	-0.0410 ppm	0.0009 ppm
Concentration per Run	0.0000 ppm	-0.0006 ppm	0.0003 ppm	0.0002 ppm	0.0244 ppm	-0.0462 ppm	-0.0003 ppm
Concentration per Run	0.0001 ppm	-0.0003 ppm	0.0007 ppm	0.0000 ppm	0.0240 ppm	-0.0420 ppm	-0.0004 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	-0.0009 ppm	0.0233 ppm	-0.0347 ppm	0.0034 ppm
Recovery Percentage	0.506 %	-1.461 %	3.063 %	-2.253 %	47.842 %	-1.639 %	17.717 %
Concentration RSD	151.1 %	86.2 %	141.5 %	272.1 %	2.3 %	14.2 %	246.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0049 ppm	0.0006 ppm	-0.0003 ppm	-0.0066 ppm	-0.0005 ppm	-0.0011 ppm	0.0011 ppm
Concentration per Run	0.0056 ppm	0.0003 ppm	-0.0006 ppm	-0.0105 ppm	-0.0013 ppm	-0.0008 ppm	0.0007 ppm
Concentration per Run	0.0037 ppm	0.0008 ppm	0.0000 ppm	0.0046 ppm	0.0002 ppm	-0.0016 ppm	0.0033 ppm
Concentration per Run	0.0054 ppm	0.0006 ppm	-0.0004 ppm	-0.0140 ppm	-0.0004 ppm	-0.0010 ppm	-0.0006 ppm
Recovery Percentage	4.885 %	5.853 %	-0.647 %	-0.330 %	-1.986 %	-11.137 %	2.242 %
Concentration RSD	21.7 %	38.7 %	88.8 %	149.3 %	150.9 %	37.1 %	173.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0054 ppm	0.0108 ppm	0.0100 ppm	0.0002 ppm	-0.0003 ppm	-0.0006 ppm	-0.0002 ppm
Concentration per Run	0.0076 ppm	0.0114 ppm	0.0121 ppm	0.0001 ppm	0.0001 ppm	-0.0007 ppm	-0.0001 ppm
Concentration per Run	0.0048 ppm	0.0104 ppm	0.0083 ppm	0.0002 ppm	-0.0007 ppm	-0.0010 ppm	-0.0002 ppm
Concentration per Run	0.0036 ppm	0.0106 ppm	0.0097 ppm	0.0002 ppm	-0.0001 ppm	0.0001 ppm	-0.0004 ppm
Recovery Percentage	53.554 %	2.156 %	20.056 %	1.917 %	-2.596 %	-2.763 %	-2.238 %
Concentration RSD	38.0 %	5.3 %	18.9 %	25.7 %	165.1 %	97.9 %	57.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0013 ppm	97.9536 %	97.9376 %	97.8574 %	97.5694 %	97.9334 %	98.5468 %
Concentration per Run	0.0014 ppm	97.6659 %	97.5552 %	97.5123 %	97.1405 %	97.7536 %	98.1081 %
Concentration per Run	0.0015 ppm	98.1071 %	98.1411 %	97.8488 %	97.8578 %	98.0487 %	98.7874 %
Concentration per Run	0.0011 ppm	98.0877 %	98.1164 %	98.2112 %	97.7099 %	97.9979 %	98.7448 %
Recovery Percentage	26.478 %						
Concentration RSD	17.9 %	0.3 %	0.3 %	0.4 %	0.4 %	0.2 %	0.4 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2146050-2D2 WG2146050
Analysis started at: 11/28/2025 1:25:13 PM
Comment <Comment>
Rack Number 2
Vial Numbers 16

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0481 ppm	1.9401 ppm	0.1183 ppm	1.0014 ppm	1.9472 ppm	0.0490 ppm	10.3453 ppm
Concentration per Run	0.0487 ppm	1.9515 ppm	0.1191 ppm	1.0053 ppm	1.9501 ppm	0.0491 ppm	10.3807 ppm
Concentration per Run	0.0476 ppm	1.9145 ppm	0.1175 ppm	0.9948 ppm	1.9284 ppm	0.0486 ppm	10.2420 ppm
Concentration per Run	0.0479 ppm	1.9542 ppm	0.1182 ppm	1.0040 ppm	1.9632 ppm	0.0492 ppm	10.4131 ppm
Concentration RSD	1.2 %	1.1 %	0.7 %	0.6 %	0.9 %	0.7 %	0.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0548 ppm	0.4776 ppm	0.1953 ppm	0.2454 ppm	0.9622 ppm	10.7306 ppm	1.1346 ppm
Concentration per Run	0.0553 ppm	0.4818 ppm	0.1961 ppm	0.2466 ppm	0.9671 ppm	10.7510 ppm	1.1174 ppm
Concentration per Run	0.0545 ppm	0.4737 ppm	0.1937 ppm	0.2438 ppm	0.9555 ppm	10.6321 ppm	1.1205 ppm
Concentration per Run	0.0546 ppm	0.4772 ppm	0.1961 ppm	0.2457 ppm	0.9641 ppm	10.8088 ppm	1.1658 ppm
Concentration RSD	0.7 %	0.8 %	0.7 %	0.6 %	0.6 %	0.8 %	2.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	10.2608 ppm	0.4827 ppm	1.0141 ppm	10.5418 ppm	0.4840 ppm	0.5308 ppm	0.5166 ppm
Concentration per Run	10.2858 ppm	0.4848 ppm	1.0222 ppm	10.5520 ppm	0.4863 ppm	0.5312 ppm	0.5205 ppm
Concentration per Run	10.2019 ppm	0.4779 ppm	1.0079 ppm	10.4201 ppm	0.4834 ppm	0.5293 ppm	0.5179 ppm
Concentration per Run	10.2946 ppm	0.4855 ppm	1.0122 ppm	10.6533 ppm	0.4822 ppm	0.5317 ppm	0.5115 ppm
Concentration RSD	0.5 %	0.9 %	0.7 %	1.1 %	0.4 %	0.2 %	0.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1194 ppm	0.5349 ppm	1.0148 [SIC 50]	1.0064 ppm	1.0286 ppm	0.1197 ppm	0.4977 ppm
Concentration per Run	0.1204 ppm	0.5358 ppm	1.0210 ppm	1.0084 ppm	1.0242 ppm	0.1209 ppm	0.5016 ppm
Concentration per Run	0.1188 ppm	0.5291 ppm	1.0107 ppm	0.9948 ppm	1.0290 ppm	0.1191 ppm	0.4951 ppm
Concentration per Run	0.1189 ppm	0.5398 ppm	1.0126 ppm	1.0159 ppm	1.0326 ppm	0.1191 ppm	0.4963 ppm
Concentration RSD	0.8 %	1.0 %	0.5 %	1.1 %	0.4 %	0.8 %	0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4821 ppm	96.9755 %	97.9387 %	95.8844 %	95.4372 %	96.5120 %	96.1179 %
Concentration per Run	0.4870 ppm	96.5881 %	97.8501 %	95.2411 %	95.2102 %	96.8688 %	95.5652 %
Concentration per Run	0.4784 ppm	97.4374 %	98.7574 %	96.4649 %	95.5932 %	96.4783 %	96.6953 %
Concentration per Run	0.4810 ppm	96.9011 %	97.2085 %	95.9473 %	95.5083 %	96.1887 %	96.0933 %
Concentration RSD	0.9 %	0.4 %	0.8 %	0.6 %	0.2 %	0.4 %	0.6 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: eL2573385-01D2 WG2146050
Analysis started at: 11/28/2025 1:27:23 PM
Comment <Comment>
Rack Number 2
Vial Numbers 17

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	87.3894 ppm	0.0343 ppm	0.1714 ppm	0.6172 ppm	0.0028 ppm	1,505.1132 [SIC 1000]
Concentration per Run	0.0002 ppm	87.4476 ppm	0.0376 ppm	0.1728 ppm	0.6184 ppm	0.0029 ppm	1,509.3892 ppm
Concentration per Run	0.0007 ppm	87.3670 ppm	0.0318 ppm	0.1697 ppm	0.6188 ppm	0.0028 ppm	1,501.5869 ppm
Concentration per Run	-0.0001 ppm	87.3535 ppm	0.0335 ppm	0.1717 ppm	0.6145 ppm	0.0028 ppm	1,504.3635 ppm
Concentration RSD	169.9 %	0.1 %	8.8 %	0.9 %	0.4 %	1.9 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0012 ppm	0.0370 ppm	0.1969 ppm	0.2236 ppm	144.1383 ppm	12.3366 ppm	0.2900 ppm
Concentration per Run	0.0013 ppm	0.0366 ppm	0.1960 ppm	0.2231 ppm	144.6744 ppm	12.4410 ppm	0.2826 ppm
Concentration per Run	0.0011 ppm	0.0376 ppm	0.1956 ppm	0.2238 ppm	143.9601 ppm	12.3143 ppm	0.2955 ppm
Concentration per Run	0.0011 ppm	0.0369 ppm	0.1990 ppm	0.2241 ppm	143.7804 ppm	12.2544 ppm	0.2921 ppm
Concentration RSD	10.4 %	1.3 %	0.9 %	0.2 %	0.3 %	0.8 %	2.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	431.4548 ppm	5.0996 ppm	0.0129 ppm	9.2979 ppm	0.1258 ppm	0.0847 ppm	0.0008 ppm
Concentration per Run	432.2641 ppm	5.1075 ppm	0.0139 ppm	9.3224 ppm	0.1254 ppm	0.0836 ppm	-0.0004 ppm
Concentration per Run	430.1793 ppm	5.1058 ppm	0.0122 ppm	9.3519 ppm	0.1251 ppm	0.0857 ppm	0.0024 ppm
Concentration per Run	431.9209 ppm	5.0856 ppm	0.0125 ppm	9.2195 ppm	0.1269 ppm	0.0849 ppm	0.0004 ppm
Concentration RSD	0.3 %	0.2 %	7.3 %	0.7 %	0.7 %	1.3 %	184.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0012 ppm	29.9246 [SIC 100]	0.0207 ppm	4.0728 ppm	2.6592 ppm	0.0002 ppm	0.1218 ppm
Concentration per Run	-0.0005 ppm	29.9648 ppm	0.0195 ppm	4.0891 ppm	2.6498 ppm	0.0028 ppm	0.1218 ppm
Concentration per Run	0.0043 ppm	29.7281 ppm	0.0210 ppm	4.0689 ppm	2.6618 ppm	-0.0016 ppm	0.1213 ppm
Concentration per Run	-0.0002 ppm	30.0811 ppm	0.0216 ppm	4.0605 ppm	2.6661 ppm	-0.0007 ppm	0.1224 ppm
Concentration RSD	227.7 %	0.6 %	5.1 %	0.4 %	0.3 %	1,538.9 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4286 ppm	84.9581 %	93.9478 %	76.2410 %	94.3899 %	105.2167 %	95.3025 %
Concentration per Run	0.4298 ppm	85.2306 %	93.9754 %	76.0966 %	94.3436 %	105.3766 %	94.9828 %
Concentration per Run	0.4272 ppm	84.9552 %	93.9240 %	76.3041 %	94.4694 %	105.4421 %	95.5562 %
Concentration per Run	0.4287 ppm	84.6884 %	93.9440 %	76.3223 %	94.3567 %	104.8312 %	95.3685 %
Concentration RSD	0.3 %	0.3 %	0.0 %	0.2 %	0.1 %	0.3 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: eWG2146050-7D2 WG2146050
Analysis started at: 11/28/2025 1:29:33 PM
Comment <Comment>
Rack Number 2
Vial Numbers 18

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0499 ppm	109.0111 ppm	0.1340 ppm	1.0850 ppm	2.5710 ppm	0.0493 ppm	1,691.4363 [SIC 1000]
Concentration per Run	0.0495 ppm	109.4433 ppm	0.1334 ppm	1.0791 ppm	2.5847 ppm	0.0496 ppm	1,699.9479 ppm
Concentration per Run	0.0500 ppm	109.2899 ppm	0.1366 ppm	1.0840 ppm	2.5723 ppm	0.0493 ppm	1,694.5111 ppm
Concentration per Run	0.0502 ppm	108.3003 ppm	0.1318 ppm	1.0919 ppm	2.5559 ppm	0.0490 ppm	1,679.8500 ppm
Concentration RSD	0.8 %	0.6 %	1.8 %	0.6 %	0.6 %	0.5 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0484 ppm	0.4457 ppm	0.3014 ppm	0.3848 ppm	124.5423 ppm	25.1229 ppm	1.5311 ppm
Concentration per Run	0.0483 ppm	0.4448 ppm	0.3005 ppm	0.3840 ppm	125.0785 ppm	25.2299 ppm	1.5943 ppm
Concentration per Run	0.0485 ppm	0.4449 ppm	0.2997 ppm	0.3831 ppm	124.3230 ppm	25.1797 ppm	1.5279 ppm
Concentration per Run	0.0484 ppm	0.4473 ppm	0.3039 ppm	0.3871 ppm	124.2253 ppm	24.9592 ppm	1.4712 ppm
Concentration RSD	0.3 %	0.3 %	0.7 %	0.5 %	0.4 %	0.6 %	4.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	528.6544 [SIC 1000]	5.7740 ppm	0.9016 ppm	16.1441 ppm	0.5156 ppm	0.5848 ppm	0.2313 ppm
Concentration per Run	526.6516 ppm	5.7830 ppm	0.8938 ppm	16.2287 ppm	0.5145 ppm	0.5827 ppm	0.2347 ppm
Concentration per Run	529.2749 ppm	5.8006 ppm	0.9017 ppm	16.2542 ppm	0.5160 ppm	0.5868 ppm	0.2262 ppm
Concentration per Run	530.0367 ppm	5.7383 ppm	0.9093 ppm	15.9494 ppm	0.5164 ppm	0.5848 ppm	0.2330 ppm
Concentration RSD	0.3 %	0.6 %	0.9 %	1.0 %	0.2 %	0.3 %	1.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1215 ppm	92.7997 [SIC 100]	0.8620 ppm	5.0615 ppm	3.9478 ppm	0.1047 ppm	0.6089 ppm
Concentration per Run	0.1165 ppm	92.3685 ppm	0.8662 ppm	5.0838 ppm	3.9396 ppm	0.1048 ppm	0.6068 ppm
Concentration per Run	0.1236 ppm	92.8212 ppm	0.8573 ppm	5.0746 ppm	3.9545 ppm	0.1042 ppm	0.6075 ppm
Concentration per Run	0.1243 ppm	93.2095 ppm	0.8627 ppm	5.0261 ppm	3.9493 ppm	0.1051 ppm	0.6123 ppm
Concentration RSD	3.6 %	0.5 %	0.5 %	0.6 %	0.2 %	0.5 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.4203 ppm	84.4789 %	93.5039 %	74.2637 %	95.2757 %	106.3924 %	95.8041 %
Concentration per Run	1.4187 ppm	84.3367 %	93.0435 %	74.3207 %	95.0739 %	106.3142 %	95.4741 %
Concentration per Run	1.4159 ppm	84.7385 %	93.5269 %	74.2895 %	95.3910 %	106.6620 %	96.2634 %
Concentration per Run	1.4261 ppm	84.3616 %	93.9412 %	74.1810 %	95.3621 %	106.2010 %	95.6748 %
Concentration RSD	0.4 %	0.3 %	0.5 %	0.1 %	0.2 %	0.2 %	0.4 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: eWG2146050-8D2 WG2146050
Analysis started at: 11/28/2025 1:31:42 PM
Comment <Comment>
Rack Number 2
Vial Numbers 19

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0501 ppm	88.1138 ppm	0.1364 ppm	1.0736 ppm	2.4701 ppm	0.0501 ppm	1,488.8497 [SIC 1000]
Concentration per Run	0.0499 ppm	88.2371 ppm	0.1365 ppm	1.0700 ppm	2.4834 ppm	0.0503 ppm	1,493.6338 ppm
Concentration per Run	0.0504 ppm	88.1608 ppm	0.1362 ppm	1.0669 ppm	2.4725 ppm	0.0502 ppm	1,488.6532 ppm
Concentration per Run	0.0499 ppm	87.9437 ppm	0.1365 ppm	1.0838 ppm	2.4545 ppm	0.0498 ppm	1,484.2620 ppm
Concentration RSD	0.6 %	0.2 %	0.1 %	0.8 %	0.6 %	0.6 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0491 ppm	0.4469 ppm	0.2823 ppm	0.3596 ppm	106.0276 ppm	27.6672 ppm	1.4884 ppm
Concentration per Run	0.0489 ppm	0.4472 ppm	0.2792 ppm	0.3578 ppm	106.2879 ppm	27.8057 ppm	1.5227 ppm
Concentration per Run	0.0490 ppm	0.4438 ppm	0.2823 ppm	0.3584 ppm	106.2122 ppm	27.6845 ppm	1.4829 ppm
Concentration per Run	0.0495 ppm	0.4497 ppm	0.2855 ppm	0.3626 ppm	105.5826 ppm	27.5113 ppm	1.4594 ppm
Concentration RSD	0.7 %	0.7 %	1.1 %	0.7 %	0.4 %	0.5 %	2.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	520.3836 [SIC 1000]	4.2507 ppm	0.9255 ppm	20.1688 ppm	0.5096 ppm	0.6130 ppm	0.3145 ppm
Concentration per Run	518.7695 ppm	4.2601 ppm	0.9212 ppm	20.2618 ppm	0.5050 ppm	0.6120 ppm	0.3124 ppm
Concentration per Run	521.7672 ppm	4.2573 ppm	0.9233 ppm	20.2219 ppm	0.5099 ppm	0.6139 ppm	0.3177 ppm
Concentration per Run	520.6140 ppm	4.2347 ppm	0.9320 ppm	20.0228 ppm	0.5138 ppm	0.6130 ppm	0.3135 ppm
Concentration RSD	0.3 %	0.3 %	0.6 %	0.6 %	0.9 %	0.1 %	0.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1211 ppm	131.5451 [SIC 100]	0.8802 ppm	4.4821 ppm	3.3566 ppm	0.1074 ppm	0.5892 ppm
Concentration per Run	0.1183 ppm	131.2527 ppm	0.8777 ppm	4.5124 ppm	3.3514 ppm	0.1046 ppm	0.5862 ppm
Concentration per Run	0.1240 ppm	130.7698 ppm	0.8777 ppm	4.4838 ppm	3.3547 ppm	0.1107 ppm	0.5868 ppm
Concentration per Run	0.1211 ppm	132.6128 ppm	0.8851 ppm	4.4503 ppm	3.3636 ppm	0.1068 ppm	0.5947 ppm
Concentration RSD	2.4 %	0.7 %	0.5 %	0.7 %	0.2 %	2.9 %	0.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.7372 ppm	84.8099 %	92.3694 %	74.3873 %	93.5774 %	103.2050 %	93.7524 %
Concentration per Run	0.7317 ppm	85.6453 %	92.2287 %	74.2955 %	94.0587 %	103.5915 %	93.7671 %
Concentration per Run	0.7367 ppm	84.2923 %	92.1812 %	74.2229 %	93.1376 %	102.7672 %	93.7499 %
Concentration per Run	0.7432 ppm	84.4920 %	92.6984 %	74.6436 %	93.5360 %	103.2562 %	93.7403 %
Concentration RSD	0.8 %	0.9 %	0.3 %	0.3 %	0.5 %	0.4 %	0.0 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: eWG2146050-9D2 WG2146050
Analysis started at: 11/28/2025 1:33:52 PM
Comment <Comment>
Rack Number 2
Vial Numbers 20

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0609 ppm	91.2262 ppm	0.1483 ppm	1.1601 ppm	2.7870 ppm	0.0557 ppm	1,552.1081 [SIC 1000]
Concentration per Run	0.1046 ppm	91.6982 ppm	0.1495 ppm	1.1575 ppm	2.7887 ppm	0.0557 ppm	1,558.6325 ppm
Concentration per Run	0.0389 ppm	90.8021 ppm	0.1487 ppm	1.1609 ppm	2.7719 ppm	0.0556 ppm	1,549.9939 ppm
Concentration per Run	0.0393 ppm	91.1782 ppm	0.1468 ppm	1.1619 ppm	2.8005 ppm	0.0559 ppm	1,547.6980 ppm
Concentration RSD	62.0 %	0.5 %	0.9 %	0.2 %	0.5 %	0.3 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0528 ppm	0.5164 ppm	0.4102 ppm	0.4996 ppm	147.4799 ppm	24.7086 ppm	0.2891 ppm
Concentration per Run	0.0526 ppm	0.5144 ppm	0.4094 ppm	0.4992 ppm	147.6366 ppm	24.6986 ppm	0.2840 ppm
Concentration per Run	0.0529 ppm	0.5172 ppm	0.4110 ppm	0.4991 ppm	146.7121 ppm	24.6503 ppm	0.2883 ppm
Concentration per Run	0.0528 ppm	0.5176 ppm	0.4101 ppm	0.5005 ppm	148.0911 ppm	24.7769 ppm	0.2951 ppm
Concentration RSD	0.3 %	0.3 %	0.2 %	0.2 %	0.5 %	0.3 %	1.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	453.7217 ppm	5.7306 ppm	1.0139 ppm	21.0221 ppm	0.6090 ppm	0.6131 ppm	0.5249 ppm
Concentration per Run	452.2803 ppm	5.7460 ppm	1.0068 ppm	21.0551 ppm	0.6046 ppm	0.6149 ppm	0.5245 ppm
Concentration per Run	455.1333 ppm	5.7203 ppm	1.0177 ppm	20.9830 ppm	0.6117 ppm	0.6126 ppm	0.5311 ppm
Concentration per Run	453.7516 ppm	5.7256 ppm	1.0173 ppm	21.0282 ppm	0.6107 ppm	0.6119 ppm	0.5189 ppm
Concentration RSD	0.3 %	0.2 %	0.6 %	0.2 %	0.6 %	0.3 %	1.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1337 ppm	34.4887 [SIC 100]	0.9583 ppm	5.1858 ppm	3.7832 ppm	0.1120 ppm	0.6828 ppm
Concentration per Run	0.1319 ppm	34.4133 ppm	0.9559 ppm	5.1846 ppm	3.7887 ppm	0.1133 ppm	0.6801 ppm
Concentration per Run	0.1349 ppm	34.5623 ppm	0.9618 ppm	5.1691 ppm	3.7813 ppm	0.1091 ppm	0.6833 ppm
Concentration per Run	0.1342 ppm	34.4906 ppm	0.9572 ppm	5.2036 ppm	3.7796 ppm	0.1136 ppm	0.6850 ppm
Concentration RSD	1.2 %	0.2 %	0.3 %	0.3 %	0.1 %	2.2 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.9201 ppm	84.2321 %	92.9779 %	75.2888 %	94.2951 %	104.1943 %	94.8607 %
Concentration per Run	0.9176 ppm	84.6296 %	92.2617 %	74.9721 %	94.6447 %	103.5791 %	94.2697 %
Concentration per Run	0.9226 ppm	83.5580 %	93.1581 %	75.3019 %	93.4547 %	104.5253 %	94.8374 %
Concentration per Run	0.9199 ppm	84.5086 %	93.5139 %	75.5924 %	94.7858 %	104.4785 %	95.4750 %
Concentration RSD	0.3 %	0.7 %	0.7 %	0.4 %	0.8 %	0.5 %	0.6 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: zWG2146050-10D10 WG2146050
Analysis started at: 11/28/2025 1:36:02 PM
Comment <Comment>
Rack Number 2
Vial Numbers 21

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	17.7582 ppm	0.0066 ppm	0.0367 ppm	0.1265 ppm	0.0006 ppm	334.0358 ppm
Concentration per Run	-0.0003 ppm	17.8239 ppm	0.0100 ppm	0.0359 ppm	0.1265 ppm	0.0006 ppm	335.1771 ppm
Concentration per Run	-0.0001 ppm	17.7826 ppm	0.0046 ppm	0.0374 ppm	0.1265 ppm	0.0006 ppm	333.4472 ppm
Concentration per Run	0.0005 ppm	17.6681 ppm	0.0051 ppm	0.0367 ppm	0.1265 ppm	0.0006 ppm	333.4831 ppm
Concentration RSD	1,426.4 %	0.5 %	45.5 %	1.9 %	0.0 %	4.4 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0003 ppm	0.0082 ppm	0.0408 ppm	0.0458 ppm	31.2552 ppm	2.4194 ppm	0.0402 ppm
Concentration per Run	0.0002 ppm	0.0084 ppm	0.0404 ppm	0.0456 ppm	31.3705 ppm	2.4284 ppm	0.0422 ppm
Concentration per Run	0.0003 ppm	0.0081 ppm	0.0414 ppm	0.0462 ppm	31.2322 ppm	2.4111 ppm	0.0438 ppm
Concentration per Run	0.0003 ppm	0.0081 ppm	0.0404 ppm	0.0456 ppm	31.1627 ppm	2.4185 ppm	0.0347 ppm
Concentration RSD	27.0 %	2.4 %	1.4 %	0.7 %	0.3 %	0.4 %	12.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	93.5550 ppm	1.0945 ppm	0.0028 ppm	1.8658 ppm	0.0266 ppm	0.0165 ppm	0.0028 ppm
Concentration per Run	93.3994 ppm	1.0986 ppm	0.0031 ppm	1.8891 ppm	0.0254 ppm	0.0163 ppm	0.0012 ppm
Concentration per Run	93.7316 ppm	1.0942 ppm	0.0026 ppm	1.8404 ppm	0.0269 ppm	0.0165 ppm	0.0027 ppm
Concentration per Run	93.5338 ppm	1.0906 ppm	0.0027 ppm	1.8679 ppm	0.0276 ppm	0.0168 ppm	0.0044 ppm
Concentration RSD	0.2 %	0.4 %	10.2 %	1.3 %	4.2 %	1.5 %	57.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0030 ppm	5.9628 ppm	0.0057 ppm	0.8402 ppm	0.5505 ppm	0.0017 ppm	0.0245 ppm
Concentration per Run	0.0034 ppm	5.9354 ppm	0.0061 ppm	0.8388 ppm	0.5492 ppm	0.0017 ppm	0.0242 ppm
Concentration per Run	0.0024 ppm	5.9684 ppm	0.0053 ppm	0.8381 ppm	0.5509 ppm	0.0010 ppm	0.0246 ppm
Concentration per Run	0.0031 ppm	5.9846 ppm	0.0057 ppm	0.8435 ppm	0.5513 ppm	0.0024 ppm	0.0248 ppm
Concentration RSD	16.6 %	0.4 %	6.7 %	0.3 %	0.2 %	39.9 %	1.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0929 ppm	91.7841 %	95.0307 %	86.5364 %	93.1757 %	96.5330 %	93.8022 %
Concentration per Run	0.0928 ppm	91.9723 %	94.3564 %	87.1679 %	93.0643 %	96.3788 %	94.3250 %
Concentration per Run	0.0930 ppm	91.6064 %	95.5788 %	85.4426 %	93.2231 %	96.9797 %	92.8666 %
Concentration per Run	0.0930 ppm	91.7735 %	95.1570 %	86.9987 %	93.2399 %	96.2406 %	94.2149 %
Concentration RSD	0.1 %	0.2 %	0.7 %	1.1 %	0.1 %	0.4 %	0.9 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: CCV
Analysis started at: 11/28/2025 1:51:28 PM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5116 ppm	0.4870 ppm	0.4821 ppm	0.4915 ppm	0.5087 ppm	0.5103 ppm	0.4946 ppm
Concentration per Run	0.5100 ppm	0.4909 ppm	0.4852 ppm	0.4878 ppm	0.5101 ppm	0.5112 ppm	0.4983 ppm
Concentration per Run	0.5126 ppm	0.4852 ppm	0.4759 ppm	0.4942 ppm	0.5049 ppm	0.5080 ppm	0.4887 ppm
Concentration per Run	0.5122 ppm	0.4849 ppm	0.4850 ppm	0.4925 ppm	0.5110 ppm	0.5117 ppm	0.4968 ppm
Recovery Percentage	102.322 %	97.408 %	96.410 %	98.309 %	101.736 %	102.058 %	98.919 %
Concentration RSD	0.3 %	0.7 %	1.1 %	0.7 %	0.6 %	0.4 %	1.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5212 ppm	0.5196 ppm	0.5233 ppm	0.5248 ppm	0.4996 ppm	5.2501 ppm	0.5283 ppm
Concentration per Run	0.5172 ppm	0.5176 ppm	0.5240 ppm	0.5223 ppm	0.5030 ppm	5.2537 ppm	0.5299 ppm
Concentration per Run	0.5240 ppm	0.5215 ppm	0.5235 ppm	0.5269 ppm	0.4938 ppm	5.2296 ppm	0.5216 ppm
Concentration per Run	0.5225 ppm	0.5197 ppm	0.5224 ppm	0.5253 ppm	0.5021 ppm	5.2669 ppm	0.5335 ppm
Recovery Percentage	104.249 %	103.922 %	104.655 %	104.968 %	99.930 %	105.002 %	105.664 %
Concentration RSD	0.7 %	0.4 %	0.2 %	0.4 %	1.0 %	0.4 %	1.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5083 ppm	0.5151 ppm	0.4932 ppm	10.3330 ppm	0.5207 ppm	0.4989 ppm	0.5148 ppm
Concentration per Run	0.5089 ppm	0.5160 ppm	0.4899 ppm	10.3259 ppm	0.5179 ppm	0.4975 ppm	0.5129 ppm
Concentration per Run	0.5052 ppm	0.5119 ppm	0.4952 ppm	10.2992 ppm	0.5233 ppm	0.4996 ppm	0.5152 ppm
Concentration per Run	0.5109 ppm	0.5174 ppm	0.4945 ppm	10.3739 ppm	0.5209 ppm	0.4996 ppm	0.5162 ppm
Recovery Percentage	101.664 %	103.020 %	98.641 %	103.330 %	104.146 %	99.778 %	102.956 %
Concentration RSD	0.6 %	0.6 %	0.6 %	0.4 %	0.5 %	0.2 %	0.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4801 ppm	5.4563 ppm	0.4976 ppm	0.5026 ppm	0.5028 ppm	0.4977 ppm	0.5170 ppm
Concentration per Run	0.4759 ppm	5.4089 ppm	0.4996 ppm	0.5039 ppm	0.5018 ppm	0.4974 ppm	0.5137 ppm
Concentration per Run	0.4804 ppm	5.4739 ppm	0.4936 ppm	0.4993 ppm	0.5024 ppm	0.4961 ppm	0.5188 ppm
Concentration per Run	0.4840 ppm	5.4862 ppm	0.4996 ppm	0.5048 ppm	0.5044 ppm	0.4996 ppm	0.5184 ppm
Recovery Percentage	96.017 %	103.930 %	99.517 %	100.528 %	100.570 %	99.534 %	103.391 %
Concentration RSD	0.8 %	0.8 %	0.7 %	0.6 %	0.3 %	0.4 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5125 ppm	98.4675 %	98.2047 %	98.6971 %	96.7920 %	97.2559 %	97.5678 %
Concentration per Run	0.5095 ppm	98.8090 %	97.9338 %	98.3036 %	96.9703 %	96.6888 %	97.1059 %
Concentration per Run	0.5145 ppm	98.4586 %	98.7303 %	98.7850 %	96.7028 %	97.8966 %	97.7004 %
Concentration per Run	0.5135 ppm	98.1349 %	97.9500 %	99.0027 %	96.7028 %	97.1822 %	97.8972 %
Recovery Percentage	102.503 %						
Concentration RSD	0.5 %	0.3 %	0.5 %	0.4 %	0.2 %	0.6 %	0.4 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: CCB
Analysis started at: 11/28/2025 1:53:48 PM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0039 ppm	0.0001 ppm	-0.0004 ppm	0.0001 ppm	0.0000 ppm	-0.0019 ppm
Concentration per Run	-0.0001 ppm	0.0047 ppm	-0.0005 ppm	-0.0016 ppm	0.0001 ppm	0.0001 ppm	-0.0032 ppm
Concentration per Run	0.0001 ppm	-0.0033 ppm	-0.0001 ppm	0.0003 ppm	0.0001 ppm	0.0000 ppm	-0.0015 ppm
Concentration per Run	-0.0003 ppm	0.0102 ppm	0.0007 ppm	0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0009 ppm
Recovery Percentage	-1.406 %	3.879 %	1.042 %	-1.230 %	1.014 %	1.183 %	-1.871 %
Concentration RSD	201.6 %	174.6 %	1,130.2 %	287.0 %	25.1 %	117.1 %	64.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0001 ppm	0.0000 ppm	-0.0005 ppm	-0.0031 ppm	-0.0190 ppm	0.0005 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	-0.0002 ppm	-0.0004 ppm	-0.0027 ppm	-0.0244 ppm	-0.0030 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	0.0004 ppm	-0.0007 ppm	-0.0045 ppm	-0.0030 ppm	0.0011 ppm
Concentration per Run	-0.0001 ppm	-0.0001 ppm	-0.0002 ppm	-0.0006 ppm	-0.0022 ppm	-0.0296 ppm	0.0032 ppm
Recovery Percentage	0.095 %	0.298 %	-0.086 %	-5.332 %	-6.236 %	-0.759 %	9.110 %
Concentration RSD	2,375.4 %	412.9 %	4,255.3 %	27.4 %	39.2 %	74.4 %	695.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0001 ppm	0.0000 ppm	-0.0001 ppm	-0.0019 ppm	-0.0004 ppm	-0.0012 ppm	0.0028 ppm
Concentration per Run	0.0011 ppm	-0.0001 ppm	-0.0006 ppm	0.0045 ppm	0.0004 ppm	-0.0004 ppm	0.0000 ppm
Concentration per Run	-0.0001 ppm	0.0000 ppm	0.0001 ppm	-0.0061 ppm	-0.0008 ppm	-0.0009 ppm	0.0048 ppm
Concentration per Run	-0.0008 ppm	0.0002 ppm	0.0003 ppm	-0.0040 ppm	-0.0007 ppm	-0.0023 ppm	0.0035 ppm
Recovery Percentage	0.063 %	-0.088 %	-0.185 %	-0.094 %	-1.513 %	-11.969 %	5.516 %
Concentration RSD	1,500.1 %	1,676.5 %	497.9 %	300.7 %	169.0 %	85.3 %	89.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0012 ppm	0.0024 ppm	0.0002 ppm	0.0001 ppm	-0.0001 ppm	-0.0006 ppm	-0.0005 ppm
Concentration per Run	0.0035 ppm	0.0026 ppm	0.0010 ppm	0.0000 ppm	-0.0002 ppm	-0.0019 ppm	-0.0005 ppm
Concentration per Run	-0.0026 ppm	0.0034 ppm	0.0003 ppm	0.0001 ppm	0.0002 ppm	-0.0002 ppm	-0.0004 ppm
Concentration per Run	0.0027 ppm	0.0013 ppm	-0.0006 ppm	0.0000 ppm	-0.0002 ppm	0.0002 ppm	-0.0005 ppm
Recovery Percentage	11.855 %	0.486 %	0.494 %	0.554 %	-0.797 %	-3.234 %	-4.610 %
Concentration RSD	279.2 %	42.7 %	320.2 %	65.4 %	274.2 %	173.9 %	12.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	97.4134 %	96.2605 %	97.9447 %	97.6387 %	96.0391 %	97.5293 %
Concentration per Run	0.0000 ppm	98.1993 %	95.0866 %	98.3439 %	98.1361 %	95.5212 %	97.7287 %
Concentration per Run	0.0002 ppm	97.0033 %	98.2886 %	97.5797 %	96.9406 %	97.6457 %	97.4590 %
Concentration per Run	0.0002 ppm	97.0377 %	95.4064 %	97.9105 %	97.8394 %	94.9503 %	97.4003 %
Recovery Percentage	3.125 %						
Concentration RSD	84.4 %	0.7 %	1.8 %	0.4 %	0.6 %	1.5 %	0.2 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2573385-01D10 WG2146050
Analysis started at: 11/28/2025 2:08:06 PM
Comment <Comment>
Rack Number 2
Vial Numbers 22

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	17.7814 ppm	0.0074 ppm	0.0351 ppm	0.1266 ppm	0.0006 ppm	334.6943 ppm
Concentration per Run	0.0001 ppm	17.7907 ppm	0.0087 ppm	0.0358 ppm	0.1273 ppm	0.0006 ppm	335.3147 ppm
Concentration per Run	-0.0004 ppm	17.7655 ppm	0.0076 ppm	0.0343 ppm	0.1264 ppm	0.0006 ppm	334.2288 ppm
Concentration per Run	-0.0004 ppm	17.7882 ppm	0.0060 ppm	0.0352 ppm	0.1262 ppm	0.0006 ppm	334.5395 ppm
Concentration RSD	132.3 %	0.1 %	18.7 %	2.1 %	0.5 %	3.4 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0003 ppm	0.0085 ppm	0.0419 ppm	0.0462 ppm	31.4569 ppm	2.4376 ppm	0.0493 ppm
Concentration per Run	0.0003 ppm	0.0086 ppm	0.0417 ppm	0.0455 ppm	31.5650 ppm	2.4766 ppm	0.0496 ppm
Concentration per Run	0.0003 ppm	0.0085 ppm	0.0413 ppm	0.0466 ppm	31.4210 ppm	2.4011 ppm	0.0455 ppm
Concentration per Run	0.0002 ppm	0.0084 ppm	0.0425 ppm	0.0464 ppm	31.3847 ppm	2.4351 ppm	0.0528 ppm
Concentration RSD	19.5 %	1.3 %	1.5 %	1.2 %	0.3 %	1.6 %	7.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	94.1475 ppm	1.0995 ppm	0.0023 ppm	1.8667 ppm	0.0279 ppm	0.0161 ppm	0.0011 ppm
Concentration per Run	94.0090 ppm	1.1031 ppm	0.0020 ppm	1.8659 ppm	0.0282 ppm	0.0169 ppm	0.0013 ppm
Concentration per Run	94.1446 ppm	1.0973 ppm	0.0027 ppm	1.8689 ppm	0.0277 ppm	0.0146 ppm	-0.0002 ppm
Concentration per Run	94.2889 ppm	1.0981 ppm	0.0021 ppm	1.8653 ppm	0.0279 ppm	0.0167 ppm	0.0020 ppm
Concentration RSD	0.1 %	0.3 %	16.2 %	0.1 %	0.9 %	7.9 %	105.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0005 ppm	6.0020 ppm	0.0047 ppm	0.8399 ppm	0.5562 ppm	0.0012 ppm	0.0248 ppm
Concentration per Run	-0.0016 ppm	5.9732 ppm	0.0044 ppm	0.8456 ppm	0.5542 ppm	0.0008 ppm	0.0247 ppm
Concentration per Run	0.0011 ppm	6.0272 ppm	0.0054 ppm	0.8384 ppm	0.5576 ppm	0.0032 ppm	0.0247 ppm
Concentration per Run	0.0021 ppm	6.0057 ppm	0.0042 ppm	0.8358 ppm	0.5568 ppm	-0.0005 ppm	0.0250 ppm
Concentration RSD	353.9 %	0.5 %	13.5 %	0.6 %	0.3 %	163.5 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0942 ppm	91.3938 %	95.2681 %	86.0791 %	92.6258 %	96.5338 %	93.0641 %
Concentration per Run	0.0938 ppm	91.8879 %	95.5001 %	86.1702 %	92.8235 %	96.9351 %	93.0781 %
Concentration per Run	0.0950 ppm	91.4227 %	95.5118 %	86.1582 %	92.9376 %	96.6023 %	93.2890 %
Concentration per Run	0.0938 ppm	90.8707 %	94.7925 %	85.9089 %	92.1162 %	96.0640 %	92.8253 %
Concentration RSD	0.7 %	0.6 %	0.4 %	0.2 %	0.5 %	0.5 %	0.2 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: WG2146050-7D10 WG2146050
Analysis started at: 11/28/2025 2:10:23 PM
Comment <Comment>
Rack Number 2
Vial Numbers 23

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0097 ppm	22.4073 ppm	0.0298 ppm	0.2328 ppm	0.5350 ppm	0.0105 ppm	384.8935 ppm
Concentration per Run	0.0094 ppm	22.2910 ppm	0.0285 ppm	0.2348 ppm	0.5296 ppm	0.0104 ppm	382.7269 ppm
Concentration per Run	0.0098 ppm	22.5018 ppm	0.0308 ppm	0.2324 ppm	0.5397 ppm	0.0106 ppm	386.8535 ppm
Concentration per Run	0.0100 ppm	22.4292 ppm	0.0302 ppm	0.2310 ppm	0.5357 ppm	0.0104 ppm	385.1000 ppm
Concentration RSD	2.9 %	0.5 %	4.0 %	0.8 %	0.9 %	1.0 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0108 ppm	0.0988 ppm	0.0654 ppm	0.0810 ppm	27.5025 ppm	5.0170 ppm	0.3041 ppm
Concentration per Run	0.0109 ppm	0.0994 ppm	0.0652 ppm	0.0807 ppm	27.2650 ppm	4.9995 ppm	0.2964 ppm
Concentration per Run	0.0108 ppm	0.0984 ppm	0.0652 ppm	0.0818 ppm	27.6947 ppm	5.0573 ppm	0.3108 ppm
Concentration per Run	0.0109 ppm	0.0986 ppm	0.0656 ppm	0.0804 ppm	27.5478 ppm	4.9942 ppm	0.3052 ppm
Concentration RSD	0.5 %	0.5 %	0.4 %	0.9 %	0.8 %	0.7 %	2.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	116.9684 ppm	1.2681 ppm	0.1894 ppm	3.3101 ppm	0.1143 ppm	0.1211 ppm	0.0496 ppm
Concentration per Run	117.1885 ppm	1.2619 ppm	0.1897 ppm	3.2882 ppm	0.1140 ppm	0.1192 ppm	0.0530 ppm
Concentration per Run	116.9413 ppm	1.2739 ppm	0.1893 ppm	3.3538 ppm	0.1145 ppm	0.1233 ppm	0.0478 ppm
Concentration per Run	116.7754 ppm	1.2686 ppm	0.1892 ppm	3.2881 ppm	0.1144 ppm	0.1208 ppm	0.0480 ppm
Concentration RSD	0.2 %	0.5 %	0.1 %	1.1 %	0.2 %	1.7 %	6.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0242 ppm	18.8555 ppm	0.1922 ppm	1.0566 ppm	0.8258 ppm	0.0229 ppm	0.1266 ppm
Concentration per Run	0.0253 ppm	19.0870 ppm	0.1924 ppm	1.0460 ppm	0.8301 ppm	0.0219 ppm	0.1269 ppm
Concentration per Run	0.0229 ppm	18.7833 ppm	0.1927 ppm	1.0675 ppm	0.8240 ppm	0.0220 ppm	0.1265 ppm
Concentration per Run	0.0243 ppm	18.6961 ppm	0.1915 ppm	1.0562 ppm	0.8233 ppm	0.0248 ppm	0.1262 ppm
Concentration RSD	4.9 %	1.1 %	0.3 %	1.0 %	0.5 %	7.1 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3159 ppm	90.9168 %	94.2262 %	84.9021 %	92.4421 %	96.4357 %	92.7245 %
Concentration per Run	0.3163 ppm	90.6181 %	94.1782 %	85.3084 %	92.4740 %	95.9487 %	92.9721 %
Concentration per Run	0.3158 ppm	91.2197 %	93.5584 %	84.5476 %	92.5423 %	95.8436 %	92.3736 %
Concentration per Run	0.3154 ppm	90.9125 %	94.9419 %	84.8502 %	92.3100 %	97.5149 %	92.8278 %
Concentration RSD	0.1 %	0.3 %	0.7 %	0.5 %	0.1 %	1.0 %	0.3 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: WG2146050-8D10 WG2146050
Analysis started at: 11/28/2025 2:12:33 PM
Comment <Comment>
Rack Number 2
Vial Numbers 24

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0096 ppm	18.0818 ppm	0.0293 ppm	0.2312 ppm	0.5113 ppm	0.0106 ppm	333.5587 ppm
Concentration per Run	0.0093 ppm	18.1226 ppm	0.0308 ppm	0.2292 ppm	0.5129 ppm	0.0106 ppm	334.1382 ppm
Concentration per Run	0.0096 ppm	18.0611 ppm	0.0292 ppm	0.2336 ppm	0.5105 ppm	0.0106 ppm	333.1167 ppm
Concentration per Run	0.0099 ppm	18.0616 ppm	0.0279 ppm	0.2308 ppm	0.5105 ppm	0.0106 ppm	333.4213 ppm
Concentration RSD	3.0 %	0.2 %	5.0 %	1.0 %	0.3 %	0.1 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0110 ppm	0.0993 ppm	0.0621 ppm	0.0763 ppm	23.2685 ppm	5.5189 ppm	0.2893 ppm
Concentration per Run	0.0111 ppm	0.0986 ppm	0.0618 ppm	0.0762 ppm	23.3181 ppm	5.5224 ppm	0.2898 ppm
Concentration per Run	0.0110 ppm	0.0994 ppm	0.0615 ppm	0.0766 ppm	23.2107 ppm	5.5103 ppm	0.2920 ppm
Concentration per Run	0.0111 ppm	0.0998 ppm	0.0631 ppm	0.0762 ppm	23.2766 ppm	5.5241 ppm	0.2859 ppm
Concentration RSD	0.4 %	0.6 %	1.4 %	0.3 %	0.2 %	0.1 %	1.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	114.6960 ppm	0.9229 ppm	0.1961 ppm	4.1297 ppm	0.1140 ppm	0.1288 ppm	0.0676 ppm
Concentration per Run	114.6702 ppm	0.9231 ppm	0.1950 ppm	4.1362 ppm	0.1124 ppm	0.1283 ppm	0.0677 ppm
Concentration per Run	114.9743 ppm	0.9232 ppm	0.1953 ppm	4.1306 ppm	0.1146 ppm	0.1283 ppm	0.0691 ppm
Concentration per Run	114.4435 ppm	0.9223 ppm	0.1980 ppm	4.1224 ppm	0.1152 ppm	0.1298 ppm	0.0658 ppm
Concentration RSD	0.2 %	0.1 %	0.8 %	0.2 %	1.3 %	0.7 %	2.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0225 ppm	27.0314 [SIC 100]	0.1961 ppm	0.9285 ppm	0.7037 ppm	0.0231 ppm	0.1223 ppm
Concentration per Run	0.0254 ppm	26.9591 ppm	0.1950 ppm	0.9296 ppm	0.7035 ppm	0.0225 ppm	0.1221 ppm
Concentration per Run	0.0205 ppm	26.9984 ppm	0.1966 ppm	0.9301 ppm	0.7059 ppm	0.0242 ppm	0.1220 ppm
Concentration per Run	0.0217 ppm	27.1366 ppm	0.1968 ppm	0.9259 ppm	0.7019 ppm	0.0226 ppm	0.1228 ppm
Concentration RSD	11.2 %	0.3 %	0.5 %	0.2 %	0.3 %	4.3 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1648 ppm	91.2628 %	94.8038 %	85.3425 %	92.6073 %	96.3102 %	92.8674 %
Concentration per Run	0.1647 ppm	90.6885 %	94.3512 %	86.1143 %	91.9289 %	96.4240 %	93.6048 %
Concentration per Run	0.1650 ppm	91.8637 %	94.9058 %	85.5860 %	93.4325 %	95.9915 %	92.6511 %
Concentration per Run	0.1647 ppm	91.2363 %	95.1544 %	84.3273 %	92.4605 %	96.5151 %	92.3465 %
Concentration RSD	0.1 %	0.6 %	0.4 %	1.1 %	0.8 %	0.3 %	0.7 %

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LabBook: WG2147204_11282025T11.imexp

Sample: WG2146050-9D10 WG2146050
Analysis started at: 11/28/2025 2:14:43 PM
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Rack Number 2
Vial Numbers 25

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0221 ppm	37.2076 ppm	0.1328 ppm	1.0834 ppm	2.4264 ppm	0.0556 ppm	653.2821 ppm
Concentration per Run	0.0227 ppm	37.2878 ppm	0.1325 ppm	1.0891 ppm	2.4355 ppm	0.0557 ppm	654.1054 ppm
Concentration per Run	0.0222 ppm	37.1877 ppm	0.1326 ppm	1.0746 ppm	2.4233 ppm	0.0557 ppm	653.4273 ppm
Concentration per Run	0.0215 ppm	37.1474 ppm	0.1331 ppm	1.0865 ppm	2.4204 ppm	0.0554 ppm	652.3137 ppm
Concentration RSD	2.7 %	0.2 %	0.2 %	0.7 %	0.3 %	0.3 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0546 ppm	0.5189 ppm	0.2969 ppm	0.3654 ppm	61.6117 ppm	16.5711 ppm	0.0910 ppm
Concentration per Run	0.0552 ppm	0.5210 ppm	0.2990 ppm	0.3662 ppm	61.7029 ppm	16.5874 ppm	0.0926 ppm
Concentration per Run	0.0541 ppm	0.5158 ppm	0.2940 ppm	0.3639 ppm	61.6497 ppm	16.5582 ppm	0.0838 ppm
Concentration per Run	0.0545 ppm	0.5199 ppm	0.2977 ppm	0.3660 ppm	61.4825 ppm	16.5675 ppm	0.0967 ppm
Concentration RSD	1.0 %	0.5 %	0.9 %	0.3 %	0.2 %	0.1 %	7.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	191.5053 ppm	2.6375 ppm	1.0315 ppm	15.2149 ppm	0.5584 ppm	0.5753 ppm	0.5239 ppm
Concentration per Run	192.5397 ppm	2.6445 ppm	1.0343 ppm	15.1905 ppm	0.5611 ppm	0.5742 ppm	0.5263 ppm
Concentration per Run	190.8351 ppm	2.6348 ppm	1.0276 ppm	15.1966 ppm	0.5561 ppm	0.5764 ppm	0.5207 ppm
Concentration per Run	191.1413 ppm	2.6333 ppm	1.0325 ppm	15.2576 ppm	0.5581 ppm	0.5753 ppm	0.5247 ppm
Concentration RSD	0.5 %	0.2 %	0.3 %	0.2 %	0.5 %	0.2 %	0.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1298 ppm	13.8149 ppm	0.9996 ppm	2.6655 ppm	2.1308 ppm	0.1178 ppm	0.6177 ppm
Concentration per Run	0.1285 ppm	13.8845 ppm	1.0070 ppm	2.6766 ppm	2.1394 ppm	0.1192 ppm	0.6213 ppm
Concentration per Run	0.1330 ppm	13.7450 ppm	0.9929 ppm	2.6613 ppm	2.1391 ppm	0.1161 ppm	0.6134 ppm
Concentration per Run	0.1281 ppm	13.8152 ppm	0.9988 ppm	2.6587 ppm	2.1139 ppm	0.1181 ppm	0.6186 ppm
Concentration RSD	2.1 %	0.5 %	0.7 %	0.4 %	0.7 %	1.3 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6887 ppm	87.8024 %	94.3476 %	81.6236 %	91.4220 %	97.8992 %	92.2292 %
Concentration per Run	0.6928 ppm	86.2449 %	94.6792 %	81.9709 %	89.8801 %	98.5343 %	92.7672 %
Concentration per Run	0.6845 ppm	88.8735 %	94.1103 %	81.2763 %	92.4764 %	97.5527 %	92.0448 %
Concentration per Run	0.6886 ppm	88.2887 %	94.2533 %	81.6236 %	91.9096 %	97.6106 %	91.8757 %
Concentration RSD	0.6 %	1.6 %	0.3 %	0.4 %	1.5 %	0.6 %	0.5 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: WG2146050-10D50 WG2146050
Analysis started at: 11/28/2025 2:16:53 PM
Comment <Comment>
Rack Number 2
Vial Numbers 26

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	3.6106 ppm	0.0009 ppm	0.0069 ppm	0.0261 ppm	0.0002 ppm	70.1174 ppm
Concentration per Run	0.0001 ppm	3.6350 ppm	0.0011 ppm	0.0084 ppm	0.0259 ppm	0.0002 ppm	69.9725 ppm
Concentration per Run	0.0004 ppm	3.5880 ppm	0.0011 ppm	0.0062 ppm	0.0261 ppm	0.0001 ppm	70.1599 ppm
Concentration per Run	-0.0001 ppm	3.6089 ppm	0.0006 ppm	0.0062 ppm	0.0262 ppm	0.0002 ppm	70.2198 ppm
Concentration RSD	215.0 %	0.7 %	33.5 %	18.4 %	0.6 %	13.4 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0021 ppm	0.0083 ppm	0.0096 ppm	6.6144 ppm	0.4728 ppm	0.0084 ppm
Concentration per Run	0.0001 ppm	0.0019 ppm	0.0078 ppm	0.0097 ppm	6.6137 ppm	0.4965 ppm	0.0080 ppm
Concentration per Run	0.0000 ppm	0.0024 ppm	0.0085 ppm	0.0092 ppm	6.5752 ppm	0.4378 ppm	0.0086 ppm
Concentration per Run	0.0001 ppm	0.0022 ppm	0.0087 ppm	0.0099 ppm	6.6542 ppm	0.4842 ppm	0.0087 ppm
Concentration RSD	123.2 %	11.5 %	5.4 %	3.7 %	0.6 %	6.5 %	4.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	19.6852 ppm	0.2264 ppm	0.0008 ppm	0.3805 ppm	0.0048 ppm	0.0027 ppm	0.0037 ppm
Concentration per Run	19.6432 ppm	0.2269 ppm	0.0010 ppm	0.3827 ppm	0.0042 ppm	0.0025 ppm	0.0028 ppm
Concentration per Run	19.6762 ppm	0.2257 ppm	0.0006 ppm	0.3832 ppm	0.0056 ppm	0.0032 ppm	0.0035 ppm
Concentration per Run	19.7363 ppm	0.2265 ppm	0.0007 ppm	0.3756 ppm	0.0046 ppm	0.0025 ppm	0.0048 ppm
Concentration RSD	0.2 %	0.3 %	31.7 %	1.1 %	14.3 %	14.8 %	27.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0000 ppm	1.1947 ppm	0.0018 ppm	0.1736 ppm	0.1114 ppm	0.0015 ppm	0.0044 ppm
Concentration per Run	0.0037 ppm	1.1951 ppm	0.0001 ppm	0.1737 ppm	0.1114 ppm	0.0010 ppm	0.0043 ppm
Concentration per Run	-0.0006 ppm	1.1940 ppm	0.0019 ppm	0.1727 ppm	0.1111 ppm	0.0006 ppm	0.0043 ppm
Concentration per Run	-0.0030 ppm	1.1950 ppm	0.0034 ppm	0.1745 ppm	0.1117 ppm	0.0029 ppm	0.0045 ppm
Concentration RSD	15,353.4 %	0.1 %	92.6 %	0.5 %	0.3 %	83.8 %	2.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0197 ppm	94.4788 %	95.5798 %	93.5369 %	94.9682 %	95.4323 %	95.9257 %
Concentration per Run	0.0199 ppm	94.8303 %	95.5433 %	93.5299 %	95.4769 %	95.4455 %	95.8816 %
Concentration per Run	0.0193 ppm	94.6263 %	95.3631 %	93.5780 %	95.1711 %	95.0008 %	96.0008 %
Concentration per Run	0.0200 ppm	93.9798 %	95.8329 %	93.5028 %	94.2565 %	95.8507 %	95.8946 %
Concentration RSD	1.8 %	0.5 %	0.2 %	0.0 %	0.7 %	0.4 %	0.1 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: eL2573385-02D2 WG2146050
Analysis started at: 11/28/2025 2:19:02 PM
Comment <Comment>
Rack Number 2
Vial Numbers 27

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	99.6519 ppm	0.0268 ppm	0.1702 ppm	0.5902 ppm	0.0032 ppm	1,760.3875 [SIC 1000]
Concentration per Run	0.0000 ppm	99.1963 ppm	0.0262 ppm	0.1686 ppm	0.5862 ppm	0.0032 ppm	1,752.0469 ppm
Concentration per Run	0.0003 ppm	100.5410 ppm	0.0276 ppm	0.1693 ppm	0.5964 ppm	0.0033 ppm	1,774.1832 ppm
Concentration per Run	-0.0010 ppm	99.2186 ppm	0.0267 ppm	0.1727 ppm	0.5881 ppm	0.0032 ppm	1,754.9324 ppm
Concentration RSD	263.1 %	0.8 %	2.6 %	1.3 %	0.9 %	2.7 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0011 ppm	0.0379 ppm	0.1277 ppm	0.1698 ppm	118.2009 ppm	13.5038 ppm	0.3645 ppm
Concentration per Run	0.0009 ppm	0.0375 ppm	0.1285 ppm	0.1701 ppm	117.6327 ppm	13.4148 ppm	0.3650 ppm
Concentration per Run	0.0013 ppm	0.0374 ppm	0.1251 ppm	0.1691 ppm	119.1827 ppm	13.6176 ppm	0.3827 ppm
Concentration per Run	0.0010 ppm	0.0387 ppm	0.1296 ppm	0.1702 ppm	117.7872 ppm	13.4790 ppm	0.3459 ppm
Concentration RSD	19.7 %	1.9 %	1.8 %	0.4 %	0.7 %	0.8 %	5.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	606.0802 [SIC 1000]	4.9937 ppm	0.0077 ppm	7.5206 ppm	0.1082 ppm	0.0688 ppm	-0.0018 ppm
Concentration per Run	606.5777 ppm	4.9839 ppm	0.0083 ppm	7.4625 ppm	0.1089 ppm	0.0675 ppm	-0.0026 ppm
Concentration per Run	605.8058 ppm	5.0301 ppm	0.0069 ppm	7.6546 ppm	0.1080 ppm	0.0699 ppm	0.0004 ppm
Concentration per Run	605.8571 ppm	4.9671 ppm	0.0078 ppm	7.4447 ppm	0.1076 ppm	0.0692 ppm	-0.0033 ppm
Concentration RSD	0.1 %	0.7 %	9.7 %	1.5 %	0.6 %	1.8 %	110.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0004 ppm	9.4947 ppm	0.0154 ppm	4.2992 ppm	2.7342 ppm	-0.0004 ppm	0.1338 ppm
Concentration per Run	-0.0015 ppm	9.4989 ppm	0.0133 ppm	4.2731 ppm	2.7471 ppm	-0.0001 ppm	0.1340 ppm
Concentration per Run	0.0009 ppm	9.4310 ppm	0.0148 ppm	4.3435 ppm	2.7293 ppm	-0.0006 ppm	0.1322 ppm
Concentration per Run	-0.0007 ppm	9.5543 ppm	0.0181 ppm	4.2811 ppm	2.7263 ppm	-0.0005 ppm	0.1352 ppm
Concentration RSD	267.5 %	0.7 %	16.0 %	0.9 %	0.4 %	57.8 %	1.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3953 ppm	83.2219 %	91.3732 %	73.4912 %	93.4655 %	104.0322 %	93.5370 %
Concentration per Run	0.3955 ppm	83.1102 %	92.0173 %	73.4426 %	93.4377 %	104.3441 %	93.4765 %
Concentration per Run	0.3900 ppm	83.9715 %	90.5145 %	73.1721 %	93.7284 %	103.7322 %	92.9913 %
Concentration per Run	0.4004 ppm	82.5841 %	91.5878 %	73.8588 %	93.2305 %	104.0203 %	94.1433 %
Concentration RSD	1.3 %	0.8 %	0.8 %	0.5 %	0.3 %	0.3 %	0.6 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: eL2574361-01D2 WG2146050
Analysis started at: 11/28/2025 2:21:12 PM
Comment <Comment>
Rack Number 2
Vial Numbers 28

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0128 ppm	45.6204 ppm	0.0965 ppm	0.0351 ppm	0.4621 ppm	0.0014 ppm	24.9298 ppm
Concentration per Run	0.0124 ppm	45.5877 ppm	0.0949 ppm	0.0355 ppm	0.4616 ppm	0.0014 ppm	24.8939 ppm
Concentration per Run	0.0127 ppm	45.5049 ppm	0.0963 ppm	0.0363 ppm	0.4646 ppm	0.0014 ppm	25.0524 ppm
Concentration per Run	0.0131 ppm	45.7687 ppm	0.0984 ppm	0.0334 ppm	0.4602 ppm	0.0014 ppm	24.8429 ppm
Concentration RSD	3.0 %	0.3 %	1.8 %	4.3 %	0.5 %	1.7 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0558 ppm	0.1458 ppm	0.3846 ppm	2.7857 ppm	888.0676 [SIC 800]	1.9675 ppm	0.0221 ppm
Concentration per Run	0.0554 ppm	0.1451 ppm	0.3836 ppm	2.7876 ppm	883.3141 ppm	1.9870 ppm	0.0242 ppm
Concentration per Run	0.0559 ppm	0.1462 ppm	0.3865 ppm	2.7857 ppm	891.8774 ppm	1.9511 ppm	0.0210 ppm
Concentration per Run	0.0563 ppm	0.1462 ppm	0.3837 ppm	2.7837 ppm	889.0113 ppm	1.9644 ppm	0.0212 ppm
Concentration RSD	0.8 %	0.5 %	0.4 %	0.1 %	0.5 %	0.9 %	8.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	4.1227 ppm	3.1462 ppm	0.0547 ppm	1.0898 ppm	0.6594 ppm	17.6576 ppm	0.2002 ppm
Concentration per Run	4.1126 ppm	3.1453 ppm	0.0547 ppm	1.0809 ppm	0.6597 ppm	17.7752 ppm	0.2038 ppm
Concentration per Run	4.1358 ppm	3.1463 ppm	0.0549 ppm	1.0953 ppm	0.6593 ppm	17.6829 ppm	0.1979 ppm
Concentration per Run	4.1196 ppm	3.1470 ppm	0.0545 ppm	1.0932 ppm	0.6591 ppm	17.5147 ppm	0.1988 ppm
Concentration RSD	0.3 %	0.0 %	0.4 %	0.7 %	0.0 %	0.7 %	1.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0061 ppm	4.3392 ppm	2.0758 [SIC 50]	0.1165 ppm	0.8070 ppm	0.0007 ppm	0.1262 ppm
Concentration per Run	0.0067 ppm	4.3419 ppm	2.0633 ppm	0.1161 ppm	0.8034 ppm	-0.0006 ppm	0.1272 ppm
Concentration per Run	0.0069 ppm	4.3515 ppm	2.0863 ppm	0.1170 ppm	0.8072 ppm	0.0015 ppm	0.1270 ppm
Concentration per Run	0.0047 ppm	4.3242 ppm	2.0777 ppm	0.1163 ppm	0.8105 ppm	0.0011 ppm	0.1244 ppm
Concentration RSD	20.1 %	0.3 %	0.6 %	0.4 %	0.4 %	161.2 %	1.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	27.4071 [SIC 60]	94.5819 %	98.6008 %	84.1074 %	94.9657 %	99.0767 %	95.7228 %
Concentration per Run	27.3613 ppm	94.5272 %	99.6443 %	83.9185 %	94.8886 %	99.6580 %	95.7353 %
Concentration per Run	27.5030 ppm	94.6556 %	98.6583 %	84.4208 %	94.8978 %	99.5283 %	95.9471 %
Concentration per Run	27.3570 ppm	94.5628 %	97.4997 %	83.9828 %	95.1107 %	98.0439 %	95.4860 %
Concentration RSD	0.3 %	0.1 %	1.1 %	0.3 %	0.1 %	0.9 %	0.2 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574361-02D2 WG2146050
Analysis started at: 11/28/2025 2:23:22 PM
Comment <Comment>
Rack Number 2
Vial Numbers 29

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0094 ppm	71.1907 ppm	0.2132 ppm	0.0287 ppm	1.0198 ppm	0.0071 ppm	18.0046 ppm
Concentration per Run	0.0097 ppm	70.8621 ppm	0.2162 ppm	0.0276 ppm	1.0130 ppm	0.0070 ppm	17.8793 ppm
Concentration per Run	0.0091 ppm	71.2079 ppm	0.2110 ppm	0.0291 ppm	1.0176 ppm	0.0071 ppm	18.0533 ppm
Concentration per Run	0.0095 ppm	71.5020 ppm	0.2125 ppm	0.0293 ppm	1.0286 ppm	0.0071 ppm	18.0813 ppm
Concentration RSD	3.6 %	0.4 %	1.3 %	3.2 %	0.8 %	0.9 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0323 ppm	0.1177 ppm	0.6034 ppm	1.7689 ppm	235.7404 ppm	7.0831 ppm	0.1062 ppm
Concentration per Run	0.0322 ppm	0.1179 ppm	0.6038 ppm	1.7647 ppm	233.8518 ppm	7.0716 ppm	0.1080 ppm
Concentration per Run	0.0326 ppm	0.1175 ppm	0.6057 ppm	1.7807 ppm	235.8586 ppm	7.0747 ppm	0.1055 ppm
Concentration per Run	0.0320 ppm	0.1176 ppm	0.6008 ppm	1.7612 ppm	237.5109 ppm	7.1030 ppm	0.1052 ppm
Concentration RSD	1.1 %	0.2 %	0.4 %	0.6 %	0.8 %	0.2 %	1.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	19.6110 ppm	4.6364 ppm	0.0149 ppm	0.9847 ppm	0.2288 ppm	6.0044 ppm	0.0245 ppm
Concentration per Run	19.5902 ppm	4.5977 ppm	0.0149 ppm	0.9802 ppm	0.2287 ppm	6.0011 ppm	0.0209 ppm
Concentration per Run	19.6673 ppm	4.6383 ppm	0.0150 ppm	0.9893 ppm	0.2286 ppm	5.9926 ppm	0.0261 ppm
Concentration per Run	19.5753 ppm	4.6731 ppm	0.0147 ppm	0.9846 ppm	0.2292 ppm	6.0196 ppm	0.0264 ppm
Concentration RSD	0.3 %	0.8 %	1.0 %	0.5 %	0.1 %	0.2 %	12.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0121 ppm	4.6487 ppm	0.2451 ppm	0.1419 ppm	2.0597 ppm	-0.0004 ppm	0.2639 ppm
Concentration per Run	0.0105 ppm	4.6488 ppm	0.2447 ppm	0.1408 ppm	2.0667 ppm	0.0003 ppm	0.2638 ppm
Concentration per Run	0.0169 ppm	4.6456 ppm	0.2444 ppm	0.1420 ppm	2.0554 ppm	-0.0009 ppm	0.2644 ppm
Concentration per Run	0.0090 ppm	4.6518 ppm	0.2464 ppm	0.1430 ppm	2.0570 ppm	-0.0007 ppm	0.2636 ppm
Concentration RSD	34.7 %	0.1 %	0.4 %	0.8 %	0.3 %	159.1 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	5.3325 ppm	98.8596 %	101.5188 %	93.9905 %	110.5802 %	113.2125 %	111.4584 %
Concentration per Run	5.3400 ppm	98.9166 %	102.1393 %	94.0100 %	110.4220 %	113.4834 %	111.3667 %
Concentration per Run	5.3635 ppm	98.3565 %	101.2137 %	94.3086 %	110.2243 %	112.5029 %	111.8088 %
Concentration per Run	5.2941 ppm	99.3056 %	101.2035 %	93.6529 %	111.0943 %	113.6511 %	111.1998 %
Concentration RSD	0.7 %	0.5 %	0.5 %	0.3 %	0.4 %	0.5 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574361-03D2 WG2146050
Analysis started at: 11/28/2025 2:25:31 PM
Comment <Comment>
Rack Number 2
Vial Numbers 30

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0037 ppm	65.5604 ppm	0.1321 ppm	0.0249 ppm	0.9842 ppm	0.0060 ppm	14.9311 ppm
Concentration per Run	0.0032 ppm	65.6251 ppm	0.1340 ppm	0.0242 ppm	0.9846 ppm	0.0060 ppm	15.0031 ppm
Concentration per Run	0.0044 ppm	65.7482 ppm	0.1326 ppm	0.0254 ppm	0.9874 ppm	0.0059 ppm	14.8979 ppm
Concentration per Run	0.0033 ppm	65.3078 ppm	0.1297 ppm	0.0252 ppm	0.9807 ppm	0.0060 ppm	14.8922 ppm
Concentration RSD	18.6 %	0.3 %	1.7 %	2.5 %	0.3 %	0.6 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0117 ppm	0.0584 ppm	0.3425 ppm	0.4283 ppm	139.4862 ppm	5.4011 ppm	0.0969 ppm
Concentration per Run	0.0118 ppm	0.0581 ppm	0.3436 ppm	0.4283 ppm	139.9735 ppm	5.4417 ppm	0.0988 ppm
Concentration per Run	0.0117 ppm	0.0589 ppm	0.3424 ppm	0.4283 ppm	139.6912 ppm	5.4316 ppm	0.0969 ppm
Concentration per Run	0.0117 ppm	0.0582 ppm	0.3415 ppm	0.4284 ppm	138.7937 ppm	5.3299 ppm	0.0951 ppm
Concentration RSD	0.5 %	0.8 %	0.3 %	0.0 %	0.4 %	1.1 %	1.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	14.6696 ppm	1.2546 ppm	0.0080 ppm	0.8389 ppm	0.1422 ppm	4.4482 ppm	0.0167 ppm
Concentration per Run	14.7550 ppm	1.2619 ppm	0.0080 ppm	0.8426 ppm	0.1410 ppm	4.4682 ppm	0.0189 ppm
Concentration per Run	14.5990 ppm	1.2538 ppm	0.0082 ppm	0.8349 ppm	0.1428 ppm	4.4310 ppm	0.0131 ppm
Concentration per Run	14.6547 ppm	1.2481 ppm	0.0077 ppm	0.8392 ppm	0.1428 ppm	4.4454 ppm	0.0180 ppm
Concentration RSD	0.5 %	0.6 %	3.5 %	0.5 %	0.7 %	0.4 %	18.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0068 ppm	3.2908 ppm	0.0845 ppm	0.1126 ppm	1.2411 ppm	-0.0004 ppm	0.2133 ppm
Concentration per Run	0.0043 ppm	3.3021 ppm	0.0860 ppm	0.1131 ppm	1.2457 ppm	-0.0014 ppm	0.2139 ppm
Concentration per Run	0.0061 ppm	3.2828 ppm	0.0839 ppm	0.1127 ppm	1.2319 ppm	0.0000 ppm	0.2132 ppm
Concentration per Run	0.0099 ppm	3.2875 ppm	0.0837 ppm	0.1119 ppm	1.2458 ppm	0.0002 ppm	0.2128 ppm
Concentration RSD	42.0 %	0.3 %	1.5 %	0.6 %	0.6 %	220.3 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	2.4511 ppm	98.9206 %	100.8660 %	94.4417 %	109.0630 %	110.7291 %	109.5438 %
Concentration per Run	2.4632 ppm	98.0208 %	99.6297 %	94.2695 %	108.1905 %	109.7170 %	109.3519 %
Concentration per Run	2.4384 ppm	99.3550 %	101.6652 %	94.4428 %	109.4506 %	111.7865 %	109.3608 %
Concentration per Run	2.4517 ppm	99.3860 %	101.3032 %	94.6129 %	109.5478 %	110.6838 %	109.9186 %
Concentration RSD	0.5 %	0.8 %	1.1 %	0.2 %	0.7 %	0.9 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574361-04D2 WG2146050
Analysis started at: 11/28/2025 2:27:41 PM
Comment <Comment>
Rack Number 2
Vial Numbers 31

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0155 ppm	101.0253 ppm	0.2035 ppm	0.0253 ppm	1.2996 ppm	0.0103 ppm	18.7005 ppm
Concentration per Run	0.0160 ppm	100.9845 ppm	0.2012 ppm	0.0254 ppm	1.2986 ppm	0.0102 ppm	18.7690 ppm
Concentration per Run	0.0153 ppm	101.0632 ppm	0.2042 ppm	0.0246 ppm	1.2998 ppm	0.0103 ppm	18.6701 ppm
Concentration per Run	0.0153 ppm	101.0280 ppm	0.2052 ppm	0.0259 ppm	1.3003 ppm	0.0102 ppm	18.6625 ppm
Concentration RSD	2.6 %	0.0 %	1.0 %	2.7 %	0.1 %	0.6 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0447 ppm	0.1154 ppm	0.9144 ppm	1.0815 ppm	230.5154 ppm	8.6620 ppm	0.1592 ppm
Concentration per Run	0.0447 ppm	0.1149 ppm	0.9104 ppm	1.0844 ppm	230.1314 ppm	8.6609 ppm	0.1613 ppm
Concentration per Run	0.0445 ppm	0.1152 ppm	0.9139 ppm	1.0793 ppm	230.6643 ppm	8.6659 ppm	0.1592 ppm
Concentration per Run	0.0449 ppm	0.1161 ppm	0.9189 ppm	1.0807 ppm	230.7504 ppm	8.6592 ppm	0.1573 ppm
Concentration RSD	0.5 %	0.6 %	0.5 %	0.2 %	0.1 %	0.0 %	1.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	26.6428 ppm	2.8629 ppm	0.0093 ppm	1.1031 ppm	0.2575 ppm	1.5701 ppm	0.0072 ppm
Concentration per Run	26.5957 ppm	2.8578 ppm	0.0095 ppm	1.1028 ppm	0.2590 ppm	1.5745 ppm	0.0067 ppm
Concentration per Run	26.6417 ppm	2.8629 ppm	0.0095 ppm	1.1033 ppm	0.2553 ppm	1.5685 ppm	0.0090 ppm
Concentration per Run	26.6910 ppm	2.8681 ppm	0.0089 ppm	1.1031 ppm	0.2583 ppm	1.5673 ppm	0.0060 ppm
Concentration RSD	0.2 %	0.2 %	4.0 %	0.0 %	0.7 %	0.2 %	21.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0194 ppm	3.9675 ppm	0.0987 ppm	0.1612 ppm	2.2165 ppm	-0.0007 ppm	0.2637 ppm
Concentration per Run	0.0198 ppm	3.9732 ppm	0.0969 ppm	0.1608 ppm	2.2131 ppm	-0.0005 ppm	0.2633 ppm
Concentration per Run	0.0180 ppm	3.9403 ppm	0.1004 ppm	0.1614 ppm	2.2107 ppm	-0.0007 ppm	0.2623 ppm
Concentration per Run	0.0204 ppm	3.9890 ppm	0.0987 ppm	0.1612 ppm	2.2258 ppm	-0.0009 ppm	0.2656 ppm
Concentration RSD	6.4 %	0.6 %	1.8 %	0.2 %	0.4 %	29.6 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	5.7655 ppm	99.3425 %	102.2794 %	94.3750 %	117.7732 %	121.4203 %	119.2879 %
Concentration per Run	5.7423 ppm	99.6996 %	101.5012 %	93.8559 %	118.5741 %	120.1218 %	118.7958 %
Concentration per Run	5.7664 ppm	99.3514 %	102.6176 %	94.4133 %	117.5662 %	121.8368 %	119.3110 %
Concentration per Run	5.7879 ppm	98.9764 %	102.7196 %	94.8557 %	117.1792 %	122.3022 %	119.7569 %
Concentration RSD	0.4 %	0.4 %	0.7 %	0.5 %	0.6 %	0.9 %	0.4 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: CCV
Analysis started at: 11/28/2025 2:29:51 PM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5114 ppm	0.4959 ppm	0.4842 ppm	0.4873 ppm	0.5127 ppm	0.5128 ppm	0.5022 ppm
Concentration per Run	0.5144 ppm	0.4837 ppm	0.4820 ppm	0.4893 ppm	0.5103 ppm	0.5099 ppm	0.4979 ppm
Concentration per Run	0.5102 ppm	0.5063 ppm	0.4828 ppm	0.4851 ppm	0.5149 ppm	0.5142 ppm	0.5006 ppm
Concentration per Run	0.5094 ppm	0.4975 ppm	0.4877 ppm	0.4874 ppm	0.5129 ppm	0.5143 ppm	0.5080 ppm
Recovery Percentage	102.272 %	99.170 %	96.833 %	97.452 %	102.541 %	102.561 %	100.434 %
Concentration RSD	0.5 %	2.3 %	0.6 %	0.4 %	0.4 %	0.5 %	1.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5213 ppm	0.5193 ppm	0.5229 ppm	0.5254 ppm	0.5105 ppm	5.3184 ppm	0.5468 ppm
Concentration per Run	0.5246 ppm	0.5207 ppm	0.5247 ppm	0.5274 ppm	0.5079 ppm	5.3074 ppm	0.5452 ppm
Concentration per Run	0.5191 ppm	0.5177 ppm	0.5222 ppm	0.5228 ppm	0.5143 ppm	5.3368 ppm	0.5588 ppm
Concentration per Run	0.5203 ppm	0.5195 ppm	0.5219 ppm	0.5259 ppm	0.5095 ppm	5.3110 ppm	0.5365 ppm
Recovery Percentage	104.265 %	103.861 %	104.582 %	105.075 %	102.107 %	106.368 %	109.370 %
Concentration RSD	0.6 %	0.3 %	0.3 %	0.5 %	0.7 %	0.3 %	2.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5102 ppm	0.5167 ppm	0.4950 ppm	10.4514 ppm	0.5199 ppm	0.5011 ppm	0.5142 ppm
Concentration per Run	0.5078 ppm	0.5152 ppm	0.4973 ppm	10.3631 ppm	0.5219 ppm	0.5022 ppm	0.5201 ppm
Concentration per Run	0.5145 ppm	0.5175 ppm	0.4947 ppm	10.5388 ppm	0.5189 ppm	0.5011 ppm	0.5130 ppm
Concentration per Run	0.5083 ppm	0.5174 ppm	0.4930 ppm	10.4525 ppm	0.5190 ppm	0.4998 ppm	0.5096 ppm
Recovery Percentage	102.042 %	103.339 %	99.000 %	104.514 %	103.988 %	100.210 %	102.846 %
Concentration RSD	0.7 %	0.2 %	0.4 %	0.8 %	0.3 %	0.2 %	1.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4791 ppm	5.4582 ppm	0.5002 ppm	0.5054 ppm	0.5023 ppm	0.4984 ppm	0.5194 ppm
Concentration per Run	0.4772 ppm	5.4689 ppm	0.5007 ppm	0.5029 ppm	0.5006 ppm	0.4995 ppm	0.5218 ppm
Concentration per Run	0.4782 ppm	5.4429 ppm	0.4995 ppm	0.5076 ppm	0.5028 ppm	0.4995 ppm	0.5179 ppm
Concentration per Run	0.4820 ppm	5.4629 ppm	0.5005 ppm	0.5056 ppm	0.5034 ppm	0.4962 ppm	0.5184 ppm
Recovery Percentage	95.828 %	103.967 %	100.048 %	101.077 %	100.454 %	99.681 %	103.875 %
Concentration RSD	0.5 %	0.2 %	0.1 %	0.5 %	0.3 %	0.4 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5099 ppm	99.0220 %	96.4421 %	98.5519 %	97.8355 %	95.1599 %	97.5122 %
Concentration per Run	0.5114 ppm	98.9374 %	96.2580 %	98.5795 %	97.8914 %	95.0255 %	97.4430 %
Concentration per Run	0.5092 ppm	98.5698 %	96.5618 %	98.0188 %	96.8119 %	95.2410 %	97.3425 %
Concentration per Run	0.5091 ppm	99.5589 %	96.5064 %	99.0573 %	98.8031 %	95.2131 %	97.7510 %
Recovery Percentage	101.980 %						
Concentration RSD	0.3 %	0.5 %	0.2 %	0.5 %	1.0 %	0.1 %	0.2 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: CCB
Analysis started at: 11/28/2025 2:32:01 PM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	0.0026 ppm	-0.0011 ppm	-0.0002 ppm	0.0001 ppm	0.0000 ppm	-0.0006 ppm
Concentration per Run	-0.0001 ppm	0.0077 ppm	-0.0026 ppm	0.0002 ppm	0.0001 ppm	0.0000 ppm	-0.0034 ppm
Concentration per Run	-0.0003 ppm	-0.0009 ppm	-0.0011 ppm	-0.0017 ppm	0.0001 ppm	0.0000 ppm	-0.0011 ppm
Concentration per Run	0.0006 ppm	0.0009 ppm	0.0003 ppm	0.0010 ppm	0.0002 ppm	0.0000 ppm	0.0027 ppm
Recovery Percentage	0.749 %	2.589 %	-22.198 %	-0.578 %	1.228 %	0.285 %	-0.610 %
Concentration RSD	905.0 %	175.2 %	132.7 %	807.4 %	37.3 %	244.3 %	508.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0003 ppm	-0.0007 ppm	0.0007 ppm	-0.0295 ppm	0.0001 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	0.0004 ppm	-0.0007 ppm	0.0020 ppm	-0.0321 ppm	0.0005 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	0.0005 ppm	-0.0007 ppm	0.0000 ppm	-0.0293 ppm	0.0002 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	-0.0009 ppm	0.0000 ppm	-0.0272 ppm	-0.0005 ppm
Recovery Percentage	0.056 %	0.117 %	2.750 %	-7.462 %	1.302 %	-1.181 %	1.043 %
Concentration RSD	674.9 %	642.1 %	115.1 %	12.9 %	172.8 %	8.3 %	1,007.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0012 ppm	0.0000 ppm	0.0002 ppm	-0.0087 ppm	-0.0007 ppm	-0.0007 ppm	0.0033 ppm
Concentration per Run	-0.0020 ppm	0.0000 ppm	-0.0001 ppm	-0.0151 ppm	-0.0005 ppm	-0.0002 ppm	0.0022 ppm
Concentration per Run	-0.0007 ppm	0.0001 ppm	0.0000 ppm	-0.0068 ppm	-0.0008 ppm	-0.0006 ppm	0.0037 ppm
Concentration per Run	-0.0009 ppm	0.0000 ppm	0.0005 ppm	-0.0043 ppm	-0.0009 ppm	-0.0012 ppm	0.0040 ppm
Recovery Percentage	-1.187 %	0.450 %	0.326 %	-0.436 %	-2.919 %	-6.779 %	6.586 %
Concentration RSD	56.4 %	192.5 %	196.7 %	64.8 %	28.5 %	74.4 %	30.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0017 ppm	0.0049 ppm	0.0003 ppm	0.0001 ppm	-0.0006 ppm	0.0001 ppm	-0.0004 ppm
Concentration per Run	0.0004 ppm	0.0016 ppm	0.0001 ppm	0.0002 ppm	-0.0003 ppm	-0.0004 ppm	-0.0003 ppm
Concentration per Run	0.0047 ppm	0.0076 ppm	0.0002 ppm	0.0000 ppm	-0.0010 ppm	-0.0012 ppm	-0.0005 ppm
Concentration per Run	0.0000 ppm	0.0054 ppm	0.0005 ppm	0.0001 ppm	-0.0005 ppm	0.0020 ppm	-0.0003 ppm
Recovery Percentage	17.058 %	0.971 %	0.592 %	1.127 %	-5.969 %	0.558 %	-3.728 %
Concentration RSD	153.5 %	62.8 %	69.8 %	76.5 %	62.9 %	1,522.0 %	34.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0003 ppm	96.4874 %	94.7869 %	97.5080 %	97.6107 %	94.8509 %	97.2474 %
Concentration per Run	0.0001 ppm	95.5959 %	96.4691 %	96.9767 %	96.8766 %	96.3224 %	96.4462 %
Concentration per Run	0.0003 ppm	96.4661 %	94.7262 %	97.7961 %	97.6244 %	94.9105 %	97.7245 %
Concentration per Run	0.0004 ppm	97.4002 %	93.1654 %	97.7512 %	98.3310 %	93.3198 %	97.5716 %
Recovery Percentage	5.637 %						
Concentration RSD	48.9 %	0.9 %	1.7 %	0.5 %	0.7 %	1.6 %	0.7 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2574361-05D2 WG2146050
Analysis started at: 11/28/2025 2:35:35 PM
Comment <Comment>
Rack Number 2
Vial Numbers 32

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	96.9031 ppm	0.0462 ppm	0.0312 ppm	0.7886 ppm	0.0056 ppm	18.4252 ppm
Concentration per Run	0.0002 ppm	97.3465 ppm	0.0442 ppm	0.0316 ppm	0.7919 ppm	0.0057 ppm	18.5354 ppm
Concentration per Run	-0.0004 ppm	96.5544 ppm	0.0463 ppm	0.0310 ppm	0.7864 ppm	0.0056 ppm	18.3353 ppm
Concentration per Run	0.0005 ppm	96.8084 ppm	0.0480 ppm	0.0312 ppm	0.7874 ppm	0.0056 ppm	18.4048 ppm
Concentration RSD	551.5 %	0.4 %	4.1 %	0.9 %	0.4 %	0.8 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0012 ppm	0.0622 ppm	0.2607 ppm	0.0810 ppm	146.5354 ppm	10.4370 ppm	0.1575 ppm
Concentration per Run	0.0012 ppm	0.0619 ppm	0.2604 ppm	0.0814 ppm	147.1797 ppm	10.4785 ppm	0.1625 ppm
Concentration per Run	0.0012 ppm	0.0625 ppm	0.2607 ppm	0.0812 ppm	146.1242 ppm	10.4316 ppm	0.1541 ppm
Concentration per Run	0.0011 ppm	0.0622 ppm	0.2609 ppm	0.0804 ppm	146.3024 ppm	10.4010 ppm	0.1560 ppm
Concentration RSD	5.2 %	0.5 %	0.1 %	0.7 %	0.4 %	0.4 %	2.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	33.1967 ppm	1.8436 ppm	0.0011 ppm	1.3879 ppm	0.1654 ppm	0.3232 ppm	-0.0024 ppm
Concentration per Run	33.0291 ppm	1.8544 ppm	0.0005 ppm	1.3921 ppm	0.1645 ppm	0.3239 ppm	-0.0066 ppm
Concentration per Run	33.1409 ppm	1.8307 ppm	0.0012 ppm	1.3776 ppm	0.1666 ppm	0.3206 ppm	-0.0029 ppm
Concentration per Run	33.4202 ppm	1.8457 ppm	0.0015 ppm	1.3941 ppm	0.1652 ppm	0.3250 ppm	0.0022 ppm
Concentration RSD	0.6 %	0.7 %	44.6 %	0.6 %	0.6 %	0.7 %	182.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0034 ppm	8.7174 ppm	0.0100 ppm	0.1313 ppm	3.3854 ppm	-0.0015 ppm	0.2597 ppm
Concentration per Run	0.0001 ppm	8.6242 ppm	0.0098 ppm	0.1327 ppm	3.3511 ppm	-0.0009 ppm	0.2586 ppm
Concentration per Run	0.0033 ppm	8.8356 ppm	0.0107 ppm	0.1304 ppm	3.3784 ppm	-0.0016 ppm	0.2607 ppm
Concentration per Run	0.0068 ppm	8.6924 ppm	0.0096 ppm	0.1308 ppm	3.4266 ppm	-0.0019 ppm	0.2598 ppm
Concentration RSD	97.5 %	1.2 %	5.6 %	0.9 %	1.1 %	35.7 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4738 ppm	100.8601 %	102.1017 %	95.7285 %	114.2264 %	115.9280 %	114.9389 %
Concentration per Run	0.4705 ppm	100.9616 %	102.0663 %	95.6194 %	114.1240 %	116.6157 %	114.8141 %
Concentration per Run	0.4735 ppm	101.5492 %	102.2116 %	95.7086 %	115.3305 %	115.3810 %	114.8062 %
Concentration per Run	0.4773 ppm	100.0695 %	102.0273 %	95.8574 %	113.2248 %	115.7873 %	115.1964 %
Concentration RSD	0.7 %	0.7 %	0.1 %	0.1 %	0.9 %	0.5 %	0.2 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2574432-12D2 WG2146050
Analysis started at: 11/28/2025 2:37:49 PM
Comment <Comment>
Rack Number 2
Vial Numbers 33

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	56.1901 ppm	0.0227 ppm	0.0764 ppm	0.4453 ppm	0.0018 ppm	766.5413 ppm
Concentration per Run	0.0001 ppm	55.9687 ppm	0.0215 ppm	0.0749 ppm	0.4439 ppm	0.0018 ppm	766.0814 ppm
Concentration per Run	-0.0004 ppm	55.6380 ppm	0.0228 ppm	0.0763 ppm	0.4379 ppm	0.0017 ppm	752.9231 ppm
Concentration per Run	0.0001 ppm	56.9635 ppm	0.0238 ppm	0.0779 ppm	0.4540 ppm	0.0019 ppm	780.6195 ppm
Concentration RSD	456.6 %	1.2 %	5.2 %	1.9 %	1.8 %	5.6 %	1.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0003 ppm	0.0100 ppm	0.1364 ppm	0.0445 ppm	41.7320 ppm	2.2922 ppm	0.0421 ppm
Concentration per Run	0.0004 ppm	0.0095 ppm	0.1358 ppm	0.0442 ppm	41.5352 ppm	2.2988 ppm	0.0504 ppm
Concentration per Run	0.0003 ppm	0.0104 ppm	0.1365 ppm	0.0446 ppm	41.2754 ppm	2.2558 ppm	0.0465 ppm
Concentration per Run	0.0003 ppm	0.0100 ppm	0.1370 ppm	0.0446 ppm	42.3853 ppm	2.3220 ppm	0.0296 ppm
Concentration RSD	15.1 %	4.2 %	0.4 %	0.5 %	1.4 %	1.5 %	26.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	36.1034 ppm	0.4880 ppm	0.0029 ppm	0.8885 ppm	0.0389 ppm	0.0237 ppm	0.0053 ppm
Concentration per Run	36.1837 ppm	0.4883 ppm	0.0026 ppm	0.8882 ppm	0.0388 ppm	0.0233 ppm	0.0036 ppm
Concentration per Run	35.9256 ppm	0.4799 ppm	0.0032 ppm	0.8732 ppm	0.0390 ppm	0.0239 ppm	0.0046 ppm
Concentration per Run	36.2011 ppm	0.4959 ppm	0.0029 ppm	0.9041 ppm	0.0391 ppm	0.0238 ppm	0.0076 ppm
Concentration RSD	0.4 %	1.6 %	9.8 %	1.7 %	0.3 %	1.3 %	39.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0010 ppm	29.9938 [SIC 100]	0.0130 ppm	0.9972 ppm	2.5409 ppm	0.0012 ppm	0.1005 ppm
Concentration per Run	0.0015 ppm	29.9363 ppm	0.0130 ppm	0.9962 ppm	2.5391 ppm	-0.0004 ppm	0.1005 ppm
Concentration per Run	-0.0009 ppm	29.9183 ppm	0.0137 ppm	0.9780 ppm	2.5372 ppm	-0.0003 ppm	0.1002 ppm
Concentration per Run	0.0024 ppm	30.1267 ppm	0.0124 ppm	1.0174 ppm	2.5464 ppm	0.0041 ppm	0.1009 ppm
Concentration RSD	165.9 %	0.4 %	4.9 %	2.0 %	0.2 %	221.2 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1699 ppm	90.5674 %	94.0718 %	83.3170 %	93.0071 %	96.9010 %	93.5017 %
Concentration per Run	0.1698 ppm	90.0780 %	94.1918 %	83.1570 %	91.9312 %	97.5547 %	93.2930 %
Concentration per Run	0.1692 ppm	91.3219 %	95.6771 %	83.4485 %	94.1295 %	97.3882 %	93.6328 %
Concentration per Run	0.1709 ppm	90.3024 %	92.3465 %	83.3456 %	92.9606 %	95.7601 %	93.5792 %
Concentration RSD	0.5 %	0.7 %	1.8 %	0.2 %	1.2 %	1.0 %	0.2 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2573385-02D10 WG2146050
Analysis started at: 11/28/2025 2:39:59 PM
Comment <Comment>
Rack Number 2
Vial Numbers 34

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	19.5044 ppm	0.0053 ppm	0.0347 ppm	0.1168 ppm	0.0007 ppm	380.6575 ppm
Concentration per Run	0.0001 ppm	19.3916 ppm	0.0037 ppm	0.0344 ppm	0.1164 ppm	0.0007 ppm	378.5218 ppm
Concentration per Run	0.0003 ppm	19.5584 ppm	0.0058 ppm	0.0339 ppm	0.1168 ppm	0.0006 ppm	381.9292 ppm
Concentration per Run	0.0003 ppm	19.5632 ppm	0.0064 ppm	0.0359 ppm	0.1172 ppm	0.0007 ppm	381.5215 ppm
Concentration RSD	40.4 %	0.5 %	26.1 %	3.0 %	0.4 %	5.4 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0083 ppm	0.0262 ppm	0.0338 ppm	24.7773 ppm	2.5664 ppm	0.0529 ppm
Concentration per Run	0.0002 ppm	0.0086 ppm	0.0257 ppm	0.0338 ppm	24.6706 ppm	2.5581 ppm	0.0525 ppm
Concentration per Run	0.0001 ppm	0.0080 ppm	0.0258 ppm	0.0331 ppm	24.8368 ppm	2.5768 ppm	0.0512 ppm
Concentration per Run	0.0002 ppm	0.0082 ppm	0.0273 ppm	0.0343 ppm	24.8243 ppm	2.5645 ppm	0.0550 ppm
Concentration RSD	43.7 %	4.1 %	3.4 %	1.8 %	0.4 %	0.4 %	3.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	129.0751 ppm	1.0382 ppm	0.0013 ppm	1.4370 ppm	0.0223 ppm	0.0136 ppm	0.0015 ppm
Concentration per Run	128.9555 ppm	1.0329 ppm	0.0015 ppm	1.4194 ppm	0.0217 ppm	0.0145 ppm	0.0053 ppm
Concentration per Run	129.4116 ppm	1.0415 ppm	0.0012 ppm	1.4439 ppm	0.0223 ppm	0.0128 ppm	-0.0016 ppm
Concentration per Run	128.8582 ppm	1.0403 ppm	0.0012 ppm	1.4479 ppm	0.0228 ppm	0.0135 ppm	0.0008 ppm
Concentration RSD	0.2 %	0.4 %	12.9 %	1.1 %	2.5 %	6.5 %	236.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0029 ppm	1.8128 ppm	0.0028 ppm	0.8537 ppm	0.5489 ppm	0.0010 ppm	0.0269 ppm
Concentration per Run	0.0033 ppm	1.8105 ppm	0.0028 ppm	0.8495 ppm	0.5479 ppm	-0.0003 ppm	0.0269 ppm
Concentration per Run	0.0033 ppm	1.8149 ppm	0.0031 ppm	0.8548 ppm	0.5497 ppm	0.0026 ppm	0.0272 ppm
Concentration per Run	0.0022 ppm	1.8130 ppm	0.0026 ppm	0.8569 ppm	0.5493 ppm	0.0006 ppm	0.0266 ppm
Concentration RSD	22.4 %	0.1 %	8.5 %	0.4 %	0.2 %	152.7 %	1.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0850 ppm	90.6620 %	94.0900 %	85.5654 %	92.2735 %	95.8467 %	92.9417 %
Concentration per Run	0.0850 ppm	90.6614 %	94.8295 %	85.6647 %	92.4872 %	96.1125 %	92.7850 %
Concentration per Run	0.0848 ppm	90.7136 %	93.3136 %	85.0618 %	92.0191 %	95.3614 %	92.4769 %
Concentration per Run	0.0851 ppm	90.6111 %	94.1268 %	85.9696 %	92.3142 %	96.0663 %	93.5630 %
Concentration RSD	0.2 %	0.1 %	0.8 %	0.5 %	0.3 %	0.4 %	0.6 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2574361-01D4 WG2146050
Analysis started at: 11/28/2025 2:42:09 PM
Comment <Comment>
Rack Number 2
Vial Numbers 35

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0065 ppm	22.6562 ppm	0.0479 ppm	0.0182 ppm	0.2288 ppm	0.0007 ppm	12.5061 ppm
Concentration per Run	0.0060 ppm	22.6157 ppm	0.0483 ppm	0.0206 ppm	0.2266 ppm	0.0007 ppm	12.3918 ppm
Concentration per Run	0.0069 ppm	22.6156 ppm	0.0486 ppm	0.0162 ppm	0.2275 ppm	0.0007 ppm	12.4828 ppm
Concentration per Run	0.0066 ppm	22.7374 ppm	0.0468 ppm	0.0177 ppm	0.2322 ppm	0.0006 ppm	12.6438 ppm
Concentration RSD	6.5 %	0.3 %	2.0 %	12.2 %	1.3 %	7.9 %	1.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0279 ppm	0.0740 ppm	0.1951 ppm	1.3901 ppm	476.6977 [SIC 800]	0.9625 ppm	0.0103 ppm
Concentration per Run	0.0277 ppm	0.0747 ppm	0.1949 ppm	1.3986 ppm	471.8558 ppm	0.9640 ppm	0.0105 ppm
Concentration per Run	0.0280 ppm	0.0729 ppm	0.1941 ppm	1.3822 ppm	474.8765 ppm	0.9665 ppm	0.0098 ppm
Concentration per Run	0.0280 ppm	0.0744 ppm	0.1962 ppm	1.3895 ppm	483.3606 ppm	0.9570 ppm	0.0105 ppm
Concentration RSD	0.7 %	1.3 %	0.5 %	0.6 %	1.3 %	0.5 %	3.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	2.1147 ppm	1.5800 ppm	0.0277 ppm	0.5286 ppm	0.3364 ppm	8.6630 ppm	0.0985 ppm
Concentration per Run	2.1168 ppm	1.5762 ppm	0.0277 ppm	0.5238 ppm	0.3360 ppm	8.6414 ppm	0.1009 ppm
Concentration per Run	2.1057 ppm	1.5765 ppm	0.0271 ppm	0.5306 ppm	0.3363 ppm	8.6786 ppm	0.0957 ppm
Concentration per Run	2.1217 ppm	1.5874 ppm	0.0281 ppm	0.5314 ppm	0.3370 ppm	8.6690 ppm	0.0990 ppm
Concentration RSD	0.4 %	0.4 %	1.8 %	0.8 %	0.1 %	0.2 %	2.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0052 ppm	2.1744 ppm	1.0599 [SIC 50]	0.0578 ppm	0.4059 ppm	0.0012 ppm	0.0625 ppm
Concentration per Run	0.0047 ppm	2.1865 ppm	1.0643 ppm	0.0571 ppm	0.4063 ppm	-0.0002 ppm	0.0636 ppm
Concentration per Run	0.0045 ppm	2.1591 ppm	1.0545 ppm	0.0577 ppm	0.4017 ppm	0.0023 ppm	0.0619 ppm
Concentration per Run	0.0063 ppm	2.1776 ppm	1.0608 ppm	0.0585 ppm	0.4096 ppm	0.0013 ppm	0.0619 ppm
Concentration RSD	18.5 %	0.6 %	0.5 %	1.2 %	1.0 %	107.3 %	1.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	14.4861 ppm	96.2354 %	99.0094 %	90.9480 %	95.5317 %	98.0046 %	97.3011 %
Concentration per Run	14.5834 ppm	95.7726 %	100.3344 %	91.2550 %	95.2906 %	98.6138 %	97.5225 %
Concentration per Run	14.3933 ppm	96.5097 %	98.4741 %	90.7734 %	95.6045 %	96.9613 %	97.3763 %
Concentration per Run	14.4815 ppm	96.4239 %	98.2196 %	90.8156 %	95.6999 %	98.4386 %	97.0045 %
Concentration RSD	0.7 %	0.4 %	1.2 %	0.3 %	0.2 %	0.9 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: eL2572667-15D2 WG2146050
Analysis started at: 11/28/2025 2:49:16 PM
Comment <Comment>
Rack Number 2
Vial Numbers 36

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0067 ppm	63.7726 ppm	0.1760 ppm	0.0412 ppm	2.4535 ppm	0.0069 ppm	50.3438 ppm
Concentration per Run	0.0074 ppm	63.6600 ppm	0.1751 ppm	0.0406 ppm	2.4483 ppm	0.0069 ppm	50.1777 ppm
Concentration per Run	0.0054 ppm	63.5206 ppm	0.1765 ppm	0.0407 ppm	2.4366 ppm	0.0068 ppm	50.0917 ppm
Concentration per Run	0.0073 ppm	64.1373 ppm	0.1762 ppm	0.0423 ppm	2.4755 ppm	0.0069 ppm	50.7619 ppm
Concentration RSD	17.1 %	0.5 %	0.4 %	2.3 %	0.8 %	0.4 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0202 ppm	0.1190 ppm	0.2445 ppm	0.8070 ppm	839.5692 [SIC 800]	7.1278 ppm	0.0814 ppm
Concentration per Run	0.0199 ppm	0.1183 ppm	0.2420 ppm	0.8017 ppm	835.8544 ppm	7.1281 ppm	0.0842 ppm
Concentration per Run	0.0201 ppm	0.1198 ppm	0.2458 ppm	0.8100 ppm	834.5400 ppm	7.0677 ppm	0.0791 ppm
Concentration per Run	0.0204 ppm	0.1189 ppm	0.2456 ppm	0.8091 ppm	848.3133 ppm	7.1877 ppm	0.0809 ppm
Concentration RSD	1.2 %	0.6 %	0.9 %	0.6 %	0.9 %	0.8 %	3.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	14.4602 ppm	30.3755 [SIC 80]	0.0091 ppm	0.3269 ppm	0.2035 ppm	13.3751 ppm	0.0263 ppm
Concentration per Run	14.4659 ppm	30.2903 ppm	0.0088 ppm	0.3314 ppm	0.2035 ppm	13.4057 ppm	0.0249 ppm
Concentration per Run	14.4673 ppm	30.2503 ppm	0.0093 ppm	0.3257 ppm	0.2042 ppm	13.3709 ppm	0.0256 ppm
Concentration per Run	14.4475 ppm	30.5860 ppm	0.0092 ppm	0.3237 ppm	0.2027 ppm	13.3487 ppm	0.0283 ppm
Concentration RSD	0.1 %	0.6 %	3.3 %	1.2 %	0.4 %	0.2 %	6.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0050 ppm	6.1102 ppm	6.0162 [SIC 50]	0.2213 ppm	0.2947 ppm	-0.0015 ppm	0.2382 ppm
Concentration per Run	0.0054 ppm	6.1081 ppm	6.0059 ppm	0.2211 ppm	0.2939 ppm	-0.0002 ppm	0.2357 ppm
Concentration per Run	0.0024 ppm	6.1387 ppm	6.0446 ppm	0.2198 ppm	0.2951 ppm	-0.0019 ppm	0.2391 ppm
Concentration per Run	0.0072 ppm	6.0837 ppm	5.9981 ppm	0.2231 ppm	0.2952 ppm	-0.0025 ppm	0.2397 ppm
Concentration RSD	48.8 %	0.5 %	0.4 %	0.8 %	0.2 %	80.1 %	0.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	4.7847 ppm	96.4469 %	99.7734 %	86.3115 %	115.3572 %	120.4390 %	117.3916 %
Concentration per Run	4.7538 ppm	96.5503 %	99.8871 %	86.2822 %	115.0814 %	120.5769 %	117.7045 %
Concentration per Run	4.8161 ppm	95.7890 %	100.5859 %	85.7986 %	114.8098 %	120.7619 %	116.3258 %
Concentration per Run	4.7842 ppm	97.0015 %	98.8473 %	86.8537 %	116.1804 %	119.9781 %	118.1445 %
Concentration RSD	0.7 %	0.6 %	0.9 %	0.6 %	0.6 %	0.3 %	0.8 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2146050-3d10 WG2146050
Analysis started at: 11/28/2025 3:19:47 PM
Comment ran MS before parent accidentally
Rack Number 2
Vial Numbers 37

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0110 ppm	14.2800 ppm	0.0552 ppm	0.1954 ppm	0.8821 ppm	0.0107 ppm	12.2803 ppm
Concentration per Run	0.0109 ppm	14.4018 ppm	0.0558 ppm	0.1943 ppm	0.8888 ppm	0.0108 ppm	12.3987 ppm
Concentration per Run	0.0104 ppm	14.2744 ppm	0.0562 ppm	0.1989 ppm	0.8801 ppm	0.0107 ppm	12.2607 ppm
Concentration per Run	0.0116 ppm	14.1638 ppm	0.0535 ppm	0.1931 ppm	0.8775 ppm	0.0106 ppm	12.1814 ppm
Concentration RSD	5.2 %	0.8 %	2.7 %	1.6 %	0.7 %	1.0 %	0.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0140 ppm	0.1164 ppm	0.0822 ppm	0.1925 ppm	157.0090 ppm	3.4178 ppm	0.2406 ppm
Concentration per Run	0.0140 ppm	0.1161 ppm	0.0824 ppm	0.1920 ppm	158.5067 ppm	3.4911 ppm	0.2480 ppm
Concentration per Run	0.0139 ppm	0.1176 ppm	0.0834 ppm	0.1937 ppm	156.6316 ppm	3.3829 ppm	0.2413 ppm
Concentration per Run	0.0141 ppm	0.1156 ppm	0.0808 ppm	0.1919 ppm	155.8888 ppm	3.3795 ppm	0.2325 ppm
Concentration RSD	0.6 %	0.9 %	1.6 %	0.5 %	0.9 %	1.9 %	3.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	4.8961 ppm	6.5175 ppm	0.1714 ppm	2.2298 ppm	0.1341 ppm	2.5471 ppm	0.0413 ppm
Concentration per Run	4.8838 ppm	6.5788 ppm	0.1713 ppm	2.2528 ppm	0.1325 ppm	2.5483 ppm	0.0450 ppm
Concentration per Run	4.9071 ppm	6.5089 ppm	0.1723 ppm	2.2277 ppm	0.1348 ppm	2.5447 ppm	0.0393 ppm
Concentration per Run	4.8973 ppm	6.4648 ppm	0.1704 ppm	2.2090 ppm	0.1350 ppm	2.5483 ppm	0.0394 ppm
Concentration RSD	0.2 %	0.9 %	0.6 %	1.0 %	1.0 %	0.1 %	8.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0163 ppm	1.7816 ppm	1.1007 [SIC 50]	0.2349 ppm	0.1327 ppm	0.0219 ppm	0.1343 ppm
Concentration per Run	0.0151 ppm	1.7865 ppm	1.1002 ppm	0.2379 ppm	0.1318 ppm	0.0212 ppm	0.1342 ppm
Concentration per Run	0.0155 ppm	1.7967 ppm	1.1093 ppm	0.2346 ppm	0.1325 ppm	0.0235 ppm	0.1358 ppm
Concentration per Run	0.0184 ppm	1.7615 ppm	1.0928 ppm	0.2320 ppm	0.1338 ppm	0.0211 ppm	0.1331 ppm
Concentration RSD	11.2 %	1.0 %	0.8 %	1.2 %	0.8 %	6.3 %	1.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0520 ppm	99.0329 %	98.3383 %	96.5364 %	101.2965 %	100.6351 %	102.6284 %
Concentration per Run	1.0465 ppm	98.7645 %	97.7454 %	96.5233 %	101.0948 %	100.8235 %	102.3535 %
Concentration per Run	1.0646 ppm	98.1656 %	98.5785 %	96.2548 %	100.5155 %	100.6571 %	102.5662 %
Concentration per Run	1.0450 ppm	100.1686 %	98.6909 %	96.8311 %	102.2793 %	100.4246 %	102.9656 %
Concentration RSD	1.0 %	1.0 %	0.5 %	0.3 %	0.9 %	0.2 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2572667-15d10 WG2146050
Analysis started at: 11/28/2025 3:22:41 PM
Comment <Comment>
Rack Number 2
Vial Numbers 38

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0020 ppm	13.2659 ppm	0.0413 ppm	0.0096 ppm	0.5069 ppm	0.0015 ppm	10.6680 ppm
Concentration per Run	0.0018 ppm	13.2588 ppm	0.0409 ppm	0.0110 ppm	0.5064 ppm	0.0015 ppm	10.6317 ppm
Concentration per Run	0.0018 ppm	13.2874 ppm	0.0421 ppm	0.0080 ppm	0.5066 ppm	0.0015 ppm	10.6959 ppm
Concentration per Run	0.0025 ppm	13.2514 ppm	0.0410 ppm	0.0098 ppm	0.5077 ppm	0.0015 ppm	10.6764 ppm
Concentration RSD	19.2 %	0.1 %	1.7 %	15.7 %	0.1 %	2.8 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0041 ppm	0.0253 ppm	0.0514 ppm	0.1656 ppm	197.0957 ppm	1.4444 ppm	0.0157 ppm
Concentration per Run	0.0043 ppm	0.0254 ppm	0.0516 ppm	0.1661 ppm	196.6581 ppm	1.4555 ppm	0.0153 ppm
Concentration per Run	0.0042 ppm	0.0254 ppm	0.0514 ppm	0.1648 ppm	197.1169 ppm	1.4318 ppm	0.0166 ppm
Concentration per Run	0.0039 ppm	0.0252 ppm	0.0511 ppm	0.1660 ppm	197.5121 ppm	1.4461 ppm	0.0150 ppm
Concentration RSD	4.7 %	0.4 %	0.6 %	0.4 %	0.2 %	0.8 %	5.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	3.1759 ppm	6.5024 ppm	0.0014 ppm	0.0599 ppm	0.0426 ppm	2.7192 ppm	0.0068 ppm
Concentration per Run	3.1709 ppm	6.4789 ppm	0.0019 ppm	0.0625 ppm	0.0424 ppm	2.6900 ppm	0.0098 ppm
Concentration per Run	3.1732 ppm	6.5108 ppm	0.0011 ppm	0.0585 ppm	0.0424 ppm	2.7842 ppm	0.0026 ppm
Concentration per Run	3.1837 ppm	6.5175 ppm	0.0011 ppm	0.0586 ppm	0.0431 ppm	2.6833 ppm	0.0079 ppm
Concentration RSD	0.2 %	0.3 %	36.5 %	3.9 %	1.0 %	2.1 %	55.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0054 ppm	1.2425 ppm	1.2846 [SIC 50]	0.0455 ppm	0.0592 ppm	0.0008 ppm	0.0484 ppm
Concentration per Run	0.0042 ppm	1.2475 ppm	1.2821 ppm	0.0454 ppm	0.0594 ppm	0.0010 ppm	0.0482 ppm
Concentration per Run	0.0076 ppm	1.2423 ppm	1.2825 ppm	0.0455 ppm	0.0583 ppm	0.0016 ppm	0.0486 ppm
Concentration per Run	0.0044 ppm	1.2378 ppm	1.2892 ppm	0.0457 ppm	0.0599 ppm	-0.0001 ppm	0.0484 ppm
Concentration RSD	34.6 %	0.4 %	0.3 %	0.3 %	1.5 %	107.0 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0284 ppm	98.8878 %	98.0172 %	94.4644 %	101.8356 %	101.1239 %	101.0915 %
Concentration per Run	1.0296 ppm	99.2746 %	97.6832 %	95.4443 %	102.3155 %	100.5705 %	102.2745 %
Concentration per Run	1.0279 ppm	98.9346 %	97.6063 %	92.7764 %	101.9107 %	100.8967 %	99.4706 %
Concentration per Run	1.0277 ppm	98.4543 %	98.7622 %	95.1724 %	101.2807 %	101.9046 %	101.5293 %
Concentration RSD	0.1 %	0.4 %	0.7 %	1.6 %	0.5 %	0.7 %	1.4 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2146050-4D10 WG2146050
Analysis started at: 11/28/2025 3:24:56 PM
Comment <Comment>
Rack Number 2
Vial Numbers 39

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0117 ppm	13.8612 ppm	0.0663 ppm	0.1639 ppm	0.8972 ppm	0.0108 ppm	12.3174 ppm
Concentration per Run	0.0119 ppm	13.8742 ppm	0.0678 ppm	0.1625 ppm	0.8987 ppm	0.0108 ppm	12.3205 ppm
Concentration per Run	0.0116 ppm	13.9236 ppm	0.0653 ppm	0.1641 ppm	0.8995 ppm	0.0108 ppm	12.3622 ppm
Concentration per Run	0.0115 ppm	13.7859 ppm	0.0657 ppm	0.1651 ppm	0.8933 ppm	0.0108 ppm	12.2694 ppm
Concentration RSD	1.6 %	0.5 %	2.0 %	0.8 %	0.4 %	0.3 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0145 ppm	0.1221 ppm	0.0891 ppm	0.2283 ppm	200.5421 ppm	3.4098 ppm	0.2464 ppm
Concentration per Run	0.0144 ppm	0.1217 ppm	0.0888 ppm	0.2287 ppm	200.7527 ppm	3.4380 ppm	0.2465 ppm
Concentration per Run	0.0143 ppm	0.1224 ppm	0.0896 ppm	0.2282 ppm	201.4448 ppm	3.4020 ppm	0.2427 ppm
Concentration per Run	0.0147 ppm	0.1223 ppm	0.0889 ppm	0.2280 ppm	199.4289 ppm	3.3894 ppm	0.2500 ppm
Concentration RSD	1.4 %	0.3 %	0.5 %	0.1 %	0.5 %	0.7 %	1.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	5.3389 ppm	6.7478 ppm	0.1746 ppm	2.1359 ppm	0.1438 ppm	3.1480 ppm	0.0432 ppm
Concentration per Run	5.3411 ppm	6.7473 ppm	0.1743 ppm	2.1378 ppm	0.1435 ppm	3.1512 ppm	0.0392 ppm
Concentration per Run	5.3220 ppm	6.7813 ppm	0.1747 ppm	2.1371 ppm	0.1440 ppm	3.1526 ppm	0.0453 ppm
Concentration per Run	5.3536 ppm	6.7149 ppm	0.1749 ppm	2.1327 ppm	0.1440 ppm	3.1402 ppm	0.0451 ppm
Concentration RSD	0.3 %	0.5 %	0.2 %	0.1 %	0.2 %	0.2 %	8.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0188 ppm	1.8024 ppm	1.3399 [SIC 50]	0.2386 ppm	0.1305 ppm	0.0220 ppm	0.1410 ppm
Concentration per Run	0.0157 ppm	1.8114 ppm	1.3447 ppm	0.2393 ppm	0.1303 ppm	0.0219 ppm	0.1417 ppm
Concentration per Run	0.0199 ppm	1.8051 ppm	1.3382 ppm	0.2390 ppm	0.1306 ppm	0.0205 ppm	0.1404 ppm
Concentration per Run	0.0209 ppm	1.7908 ppm	1.3367 ppm	0.2375 ppm	0.1306 ppm	0.0235 ppm	0.1408 ppm
Concentration RSD	14.6 %	0.6 %	0.3 %	0.4 %	0.1 %	6.7 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0959 ppm	99.6942 %	99.6894 %	96.4101 %	102.1908 %	101.8335 %	102.9738 %
Concentration per Run	1.0958 ppm	99.4583 %	99.8021 %	96.0456 %	101.8808 %	101.7835 %	102.6236 %
Concentration per Run	1.0971 ppm	100.1397 %	99.2463 %	96.0921 %	102.7469 %	101.7023 %	102.6848 %
Concentration per Run	1.0948 ppm	99.4846 %	100.0199 %	97.0924 %	101.9446 %	102.0146 %	103.6131 %
Concentration RSD	0.1 %	0.4 %	0.4 %	0.6 %	0.5 %	0.2 %	0.5 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2146050-5D10 WG2146050
Analysis started at: 11/28/2025 3:27:06 PM
Comment <Comment>
Rack Number 2
Vial Numbers 40

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0291 ppm	14.9252 ppm	0.1541 ppm	0.9851 ppm	2.6245 ppm	0.0554 ppm	20.6589 ppm
Concentration per Run	0.0238 ppm	14.8634 ppm	0.1536 ppm	0.9837 ppm	2.6116 ppm	0.0550 ppm	20.6125 ppm
Concentration per Run	0.0408 ppm	14.8809 ppm	0.1517 ppm	0.9845 ppm	2.6186 ppm	0.0551 ppm	20.5808 ppm
Concentration per Run	0.0228 ppm	15.0313 ppm	0.1571 ppm	0.9871 ppm	2.6431 ppm	0.0560 ppm	20.7835 ppm
Concentration RSD	34.6 %	0.6 %	1.8 %	0.2 %	0.6 %	1.0 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0591 ppm	0.5467 ppm	0.2658 ppm	0.4337 ppm	191.5256 ppm	12.3652 ppm	0.0183 ppm
Concentration per Run	0.0589 ppm	0.5457 ppm	0.2663 ppm	0.4319 ppm	190.4783 ppm	12.2920 ppm	0.0194 ppm
Concentration per Run	0.0592 ppm	0.5473 ppm	0.2657 ppm	0.4352 ppm	191.2406 ppm	12.3387 ppm	0.0162 ppm
Concentration per Run	0.0590 ppm	0.5470 ppm	0.2654 ppm	0.4340 ppm	192.8578 ppm	12.4650 ppm	0.0193 ppm
Concentration RSD	0.3 %	0.2 %	0.2 %	0.4 %	0.6 %	0.7 %	9.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	13.1097 ppm	6.7336 ppm	0.9955 ppm	11.1526 ppm	0.5693 ppm	3.1234 ppm	0.5063 ppm
Concentration per Run	13.0815 ppm	6.7042 ppm	0.9931 ppm	11.1382 ppm	0.5689 ppm	3.1305 ppm	0.5093 ppm
Concentration per Run	13.1274 ppm	6.7134 ppm	0.9950 ppm	11.0663 ppm	0.5700 ppm	3.1187 ppm	0.5066 ppm
Concentration per Run	13.1202 ppm	6.7833 ppm	0.9983 ppm	11.2532 ppm	0.5690 ppm	3.1209 ppm	0.5031 ppm
Concentration RSD	0.2 %	0.6 %	0.3 %	0.8 %	0.1 %	0.2 %	0.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1214 ppm	2.8021 ppm	2.2746 [SIC 50]	1.0533 ppm	1.0730 ppm	0.1206 ppm	0.5949 ppm
Concentration per Run	0.1205 ppm	2.8044 ppm	2.2685 ppm	1.0510 ppm	1.0704 ppm	0.1201 ppm	0.5940 ppm
Concentration per Run	0.1217 ppm	2.7998 ppm	2.2715 ppm	1.0506 ppm	1.0767 ppm	0.1203 ppm	0.5959 ppm
Concentration per Run	0.1219 ppm	2.8021 ppm	2.2838 ppm	1.0584 ppm	1.0720 ppm	0.1215 ppm	0.5948 ppm
Concentration RSD	0.6 %	0.1 %	0.4 %	0.4 %	0.3 %	0.6 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.5265 ppm	98.5097 %	98.5560 %	94.8507 %	101.1887 %	100.5637 %	101.5749 %
Concentration per Run	1.5257 ppm	98.5034 %	98.7476 %	94.3396 %	100.8509 %	100.9485 %	101.2985 %
Concentration per Run	1.5264 ppm	98.9667 %	98.8019 %	94.9271 %	101.6655 %	100.5150 %	101.4035 %
Concentration per Run	1.5274 ppm	98.0591 %	98.1184 %	95.2853 %	101.0497 %	100.2275 %	102.0228 %
Concentration RSD	0.1 %	0.5 %	0.4 %	0.5 %	0.4 %	0.4 %	0.4 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: WG2146050-6D50 WG2146050
Analysis started at: 11/28/2025 3:29:16 PM
Comment <Comment>
Rack Number 2
Vial Numbers 41

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0004 ppm	2.6094 ppm	0.0088 ppm	0.0027 ppm	0.1009 ppm	0.0003 ppm	2.0891 ppm
Concentration per Run	0.0003 ppm	2.6159 ppm	0.0069 ppm	0.0026 ppm	0.1011 ppm	0.0003 ppm	2.0897 ppm
Concentration per Run	-0.0001 ppm	2.6098 ppm	0.0090 ppm	0.0031 ppm	0.1009 ppm	0.0003 ppm	2.0904 ppm
Concentration per Run	0.0011 ppm	2.6025 ppm	0.0105 ppm	0.0024 ppm	0.1008 ppm	0.0003 ppm	2.0873 ppm
Concentration RSD	153.2 %	0.3 %	20.5 %	13.4 %	0.2 %	3.5 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0008 ppm	0.0054 ppm	0.0100 ppm	0.0322 ppm	40.2290 ppm	0.2554 ppm	0.0032 ppm
Concentration per Run	0.0009 ppm	0.0053 ppm	0.0101 ppm	0.0320 ppm	40.3630 ppm	0.2484 ppm	0.0035 ppm
Concentration per Run	0.0007 ppm	0.0056 ppm	0.0098 ppm	0.0322 ppm	40.1684 ppm	0.2598 ppm	0.0024 ppm
Concentration per Run	0.0008 ppm	0.0053 ppm	0.0102 ppm	0.0323 ppm	40.1557 ppm	0.2580 ppm	0.0036 ppm
Concentration RSD	8.6 %	3.5 %	2.0 %	0.4 %	0.3 %	2.4 %	22.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.6424 ppm	1.3084 ppm	0.0008 ppm	0.0014 ppm	0.0084 ppm	0.5269 ppm	0.0030 ppm
Concentration per Run	0.6408 ppm	1.3093 ppm	0.0012 ppm	0.0033 ppm	0.0082 ppm	0.5270 ppm	0.0022 ppm
Concentration per Run	0.6439 ppm	1.3089 ppm	0.0006 ppm	-0.0027 ppm	0.0085 ppm	0.5261 ppm	0.0015 ppm
Concentration per Run	0.6426 ppm	1.3069 ppm	0.0008 ppm	0.0037 ppm	0.0084 ppm	0.5276 ppm	0.0053 ppm
Concentration RSD	0.2 %	0.1 %	36.0 %	252.2 %	2.2 %	0.1 %	68.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0031 ppm	0.2502 ppm	0.2574 ppm	0.0091 ppm	0.0113 ppm	0.0006 ppm	0.0091 ppm
Concentration per Run	0.0001 ppm	0.2477 ppm	0.2578 ppm	0.0090 ppm	0.0113 ppm	0.0000 ppm	0.0088 ppm
Concentration per Run	0.0037 ppm	0.2517 ppm	0.2575 ppm	0.0090 ppm	0.0114 ppm	0.0022 ppm	0.0093 ppm
Concentration per Run	0.0054 ppm	0.2513 ppm	0.2570 ppm	0.0091 ppm	0.0112 ppm	-0.0004 ppm	0.0091 ppm
Concentration RSD	88.8 %	0.9 %	0.2 %	0.4 %	1.2 %	236.2 %	2.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2020 ppm	101.2001 %	98.5291 %	100.6884 %	100.8641 %	97.8448 %	101.0302 %
Concentration per Run	0.2009 ppm	100.9918 %	98.2357 %	100.5517 %	100.1791 %	97.4829 %	100.8648 %
Concentration per Run	0.2022 ppm	101.1865 %	99.0668 %	100.8664 %	101.3292 %	98.4775 %	101.1502 %
Concentration per Run	0.2029 ppm	101.4222 %	98.2849 %	100.6471 %	101.0840 %	97.5739 %	101.0757 %
Concentration RSD	0.5 %	0.2 %	0.5 %	0.2 %	0.6 %	0.6 %	0.1 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: CCV
Analysis started at: 11/28/2025 3:31:26 PM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5029 ppm	0.4808 ppm	0.4791 ppm	0.4765 ppm	0.5050 ppm	0.5038 ppm	0.4880 ppm
Concentration per Run	0.5052 ppm	0.4798 ppm	0.4787 ppm	0.4771 ppm	0.5057 ppm	0.5048 ppm	0.4885 ppm
Concentration per Run	0.5037 ppm	0.4777 ppm	0.4825 ppm	0.4789 ppm	0.5008 ppm	0.5012 ppm	0.4873 ppm
Concentration per Run	0.4998 ppm	0.4849 ppm	0.4761 ppm	0.4736 ppm	0.5087 ppm	0.5053 ppm	0.4881 ppm
Recovery Percentage	100.587 %	96.162 %	95.820 %	95.308 %	101.007 %	100.753 %	97.596 %
Concentration RSD	0.6 %	0.8 %	0.7 %	0.6 %	0.8 %	0.4 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5120 ppm	0.5086 ppm	0.5161 ppm	0.5163 ppm	0.4957 ppm	5.2291 ppm	0.5541 ppm
Concentration per Run	0.5135 ppm	0.5091 ppm	0.5169 ppm	0.5176 ppm	0.5005 ppm	5.2491 ppm	0.5464 ppm
Concentration per Run	0.5134 ppm	0.5092 ppm	0.5165 ppm	0.5175 ppm	0.4889 ppm	5.1992 ppm	0.5596 ppm
Concentration per Run	0.5091 ppm	0.5077 ppm	0.5150 ppm	0.5138 ppm	0.4978 ppm	5.2389 ppm	0.5564 ppm
Recovery Percentage	102.400 %	101.729 %	103.226 %	103.268 %	99.141 %	104.582 %	110.825 %
Concentration RSD	0.5 %	0.2 %	0.2 %	0.4 %	1.2 %	0.5 %	1.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5003 ppm	0.5069 ppm	0.4838 ppm	10.3682 ppm	0.5086 ppm	0.4944 ppm	0.5005 ppm
Concentration per Run	0.5018 ppm	0.5080 ppm	0.4845 ppm	10.3480 ppm	0.5084 ppm	0.4934 ppm	0.5000 ppm
Concentration per Run	0.5008 ppm	0.5046 ppm	0.4841 ppm	10.3724 ppm	0.5127 ppm	0.4954 ppm	0.5030 ppm
Concentration per Run	0.4982 ppm	0.5082 ppm	0.4828 ppm	10.3842 ppm	0.5048 ppm	0.4945 ppm	0.4985 ppm
Recovery Percentage	100.056 %	101.386 %	96.764 %	103.682 %	101.727 %	98.884 %	100.108 %
Concentration RSD	0.4 %	0.4 %	0.2 %	0.2 %	0.8 %	0.2 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4707 ppm	5.3446 ppm	0.4935 ppm	0.4992 ppm	0.4908 ppm	0.4898 ppm	0.5109 ppm
Concentration per Run	0.4718 ppm	5.3480 ppm	0.4939 ppm	0.5001 ppm	0.4898 ppm	0.4911 ppm	0.5128 ppm
Concentration per Run	0.4699 ppm	5.3512 ppm	0.4898 ppm	0.4951 ppm	0.4916 ppm	0.4894 ppm	0.5116 ppm
Concentration per Run	0.4703 ppm	5.3347 ppm	0.4967 ppm	0.5025 ppm	0.4911 ppm	0.4889 ppm	0.5083 ppm
Recovery Percentage	94.136 %	101.803 %	98.694 %	99.843 %	98.169 %	97.967 %	102.174 %
Concentration RSD	0.2 %	0.2 %	0.7 %	0.8 %	0.2 %	0.2 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4982 ppm	100.2682 %	98.1907 %	100.5296 %	99.2476 %	96.5471 %	99.3072 %
Concentration per Run	0.5014 ppm	100.0727 %	98.6183 %	100.8550 %	98.9220 %	97.1436 %	99.6897 %
Concentration per Run	0.4979 ppm	99.9591 %	99.0375 %	100.2273 %	98.8414 %	96.8447 %	98.9420 %
Concentration per Run	0.4952 ppm	100.7729 %	96.9164 %	100.5066 %	99.9794 %	95.6529 %	99.2898 %
Recovery Percentage	99.632 %						
Concentration RSD	0.6 %	0.4 %	1.1 %	0.3 %	0.6 %	0.8 %	0.4 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: CCB
Analysis started at: 11/28/2025 3:33:36 PM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	0.0056 ppm	-0.0009 ppm	0.0002 ppm	0.0001 ppm	0.0000 ppm	-0.0013 ppm
Concentration per Run	0.0003 ppm	0.0054 ppm	-0.0002 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0036 ppm
Concentration per Run	-0.0002 ppm	0.0046 ppm	0.0001 ppm	0.0009 ppm	0.0003 ppm	0.0000 ppm	-0.0058 ppm
Concentration per Run	0.0003 ppm	0.0067 ppm	-0.0025 ppm	-0.0005 ppm	0.0001 ppm	0.0000 ppm	-0.0017 ppm
Recovery Percentage	2.202 %	5.561 %	-17.797 %	0.659 %	1.349 %	0.434 %	-1.308 %
Concentration RSD	177.7 %	18.6 %	158.9 %	357.8 %	134.7 %	46.4 %	360.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0003 ppm	0.0003 ppm	-0.0002 ppm	0.0002 ppm	-0.0358 ppm	-0.0005 ppm
Concentration per Run	0.0001 ppm	-0.0002 ppm	0.0008 ppm	-0.0002 ppm	-0.0003 ppm	-0.0428 ppm	-0.0019 ppm
Concentration per Run	0.0000 ppm	-0.0003 ppm	0.0003 ppm	-0.0004 ppm	-0.0008 ppm	-0.0600 ppm	0.0014 ppm
Concentration per Run	-0.0001 ppm	-0.0003 ppm	-0.0001 ppm	0.0000 ppm	0.0018 ppm	-0.0046 ppm	-0.0011 ppm
Recovery Percentage	0.244 %	-1.390 %	3.194 %	-1.787 %	0.498 %	-1.431 %	-10.817 %
Concentration RSD	882.1 %	34.9 %	146.6 %	116.3 %	551.3 %	79.2 %	323.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0012 ppm	0.0001 ppm	-0.0001 ppm	-0.0084 ppm	-0.0011 ppm	-0.0008 ppm	0.0001 ppm
Concentration per Run	0.0006 ppm	-0.0001 ppm	0.0001 ppm	-0.0131 ppm	-0.0012 ppm	-0.0008 ppm	0.0030 ppm
Concentration per Run	-0.0034 ppm	0.0002 ppm	-0.0001 ppm	-0.0025 ppm	-0.0006 ppm	-0.0006 ppm	0.0002 ppm
Concentration per Run	-0.0008 ppm	0.0000 ppm	-0.0003 ppm	-0.0097 ppm	-0.0015 ppm	-0.0008 ppm	-0.0029 ppm
Recovery Percentage	-1.179 %	0.554 %	-0.214 %	-0.422 %	-4.414 %	-7.597 %	0.205 %
Concentration RSD	172.3 %	220.3 %	230.0 %	63.9 %	42.3 %	13.6 %	2,835.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0037 ppm	0.0030 ppm	0.0011 ppm	0.0002 ppm	-0.0003 ppm	0.0004 ppm	-0.0003 ppm
Concentration per Run	0.0033 ppm	-0.0011 ppm	0.0005 ppm	0.0001 ppm	-0.0002 ppm	0.0004 ppm	-0.0002 ppm
Concentration per Run	0.0047 ppm	0.0054 ppm	0.0021 ppm	0.0003 ppm	-0.0006 ppm	-0.0004 ppm	-0.0004 ppm
Concentration per Run	0.0033 ppm	0.0048 ppm	0.0007 ppm	0.0003 ppm	-0.0001 ppm	0.0012 ppm	-0.0002 ppm
Recovery Percentage	37.395 %	0.603 %	2.245 %	2.211 %	-2.850 %	1.979 %	-2.605 %
Concentration RSD	22.3 %	119.9 %	78.3 %	39.7 %	86.8 %	193.9 %	33.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	98.3711 %	96.1635 %	98.9491 %	99.4087 %	96.1756 %	98.5775 %
Concentration per Run	0.0002 ppm	98.4949 %	97.2245 %	98.7676 %	99.8454 %	96.4005 %	98.2019 %
Concentration per Run	0.0004 ppm	97.8298 %	95.5742 %	99.0540 %	98.4646 %	96.2569 %	98.7031 %
Concentration per Run	0.0000 ppm	98.7886 %	95.6919 %	99.0256 %	99.9159 %	95.8693 %	98.8276 %
Recovery Percentage	3.650 %						
Concentration RSD	106.9 %	0.5 %	1.0 %	0.2 %	0.8 %	0.3 %	0.3 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: WG2147181-1 WG2147181
Analysis started at: 11/28/2025 3:48:33 PM
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Rack Number 2
Vial Numbers 42

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	0.0061 ppm	-0.0014 ppm	-0.0005 ppm	0.0002 ppm	0.0000 ppm	0.0011 ppm
Concentration per Run	0.0000 ppm	-0.0013 ppm	-0.0019 ppm	0.0013 ppm	0.0001 ppm	0.0000 ppm	0.0004 ppm
Concentration per Run	0.0001 ppm	0.0079 ppm	0.0004 ppm	-0.0017 ppm	0.0003 ppm	0.0000 ppm	0.0017 ppm
Concentration per Run	0.0006 ppm	0.0116 ppm	-0.0027 ppm	-0.0010 ppm	0.0002 ppm	0.0000 ppm	0.0014 ppm
Recovery Percentage	2.919 %	6.078 %	-28.460 %	-1.548 %	1.934 %	0.663 %	1.144 %
Concentration RSD	152.7 %	108.9 %	115.5 %	330.6 %	43.6 %	58.8 %	60.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0003 ppm	0.0004 ppm	-0.0004 ppm	0.0005 ppm	-0.0392 ppm	0.0012 ppm
Concentration per Run	0.0001 ppm	-0.0002 ppm	0.0003 ppm	-0.0002 ppm	0.0012 ppm	-0.0296 ppm	0.0006 ppm
Concentration per Run	0.0000 ppm	-0.0003 ppm	0.0003 ppm	-0.0007 ppm	0.0010 ppm	-0.0470 ppm	0.0022 ppm
Concentration per Run	0.0000 ppm	-0.0004 ppm	0.0004 ppm	-0.0004 ppm	-0.0006 ppm	-0.0409 ppm	0.0007 ppm
Recovery Percentage	0.360 %	-1.536 %	3.515 %	-4.266 %	1.057 %	-1.567 %	23.066 %
Concentration RSD	415.2 %	20.2 %	11.8 %	64.6 %	184.0 %	22.6 %	79.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0002 ppm	-0.0002 ppm	-0.0001 ppm	-0.0146 ppm	-0.0008 ppm	-0.0014 ppm	0.0030 ppm
Concentration per Run	0.0012 ppm	-0.0004 ppm	0.0005 ppm	-0.0211 ppm	-0.0012 ppm	-0.0012 ppm	0.0036 ppm
Concentration per Run	-0.0015 ppm	-0.0001 ppm	-0.0005 ppm	-0.0129 ppm	0.0006 ppm	-0.0009 ppm	0.0045 ppm
Concentration per Run	-0.0004 ppm	-0.0001 ppm	-0.0002 ppm	-0.0099 ppm	-0.0018 ppm	-0.0020 ppm	0.0011 ppm
Recovery Percentage	-0.211 %	-1.843 %	-0.158 %	-0.731 %	-3.249 %	-13.842 %	6.068 %
Concentration RSD	645.1 %	103.4 %	631.4 %	39.5 %	156.4 %	39.2 %	58.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0025 ppm	0.0095 ppm	-0.0005 ppm	0.0001 ppm	-0.0004 ppm	0.0012 ppm	-0.0003 ppm
Concentration per Run	0.0022 ppm	0.0091 ppm	-0.0007 ppm	0.0001 ppm	-0.0005 ppm	0.0010 ppm	-0.0002 ppm
Concentration per Run	0.0010 ppm	0.0074 ppm	-0.0004 ppm	0.0002 ppm	-0.0004 ppm	0.0013 ppm	-0.0004 ppm
Concentration per Run	0.0043 ppm	0.0118 ppm	-0.0003 ppm	0.0001 ppm	-0.0004 ppm	0.0012 ppm	-0.0004 ppm
Recovery Percentage	25.121 %	1.890 %	-0.929 %	1.236 %	-4.130 %	5.985 %	-3.391 %
Concentration RSD	66.0 %	23.0 %	36.0 %	35.4 %	17.5 %	14.5 %	31.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0019 ppm	100.3012 %	98.3696 %	101.7778 %	101.2975 %	99.1373 %	101.1923 %
Concentration per Run	0.0018 ppm	99.7701 %	97.6437 %	101.5011 %	100.7426 %	99.1706 %	100.8195 %
Concentration per Run	0.0021 ppm	100.3591 %	98.0400 %	101.8822 %	101.3417 %	97.7949 %	101.3222 %
Concentration per Run	0.0019 ppm	100.7745 %	99.4251 %	101.9501 %	101.8081 %	100.4463 %	101.4353 %
Recovery Percentage	38.484 %						
Concentration RSD	8.5 %	0.5 %	1.0 %	0.2 %	0.5 %	1.3 %	0.3 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: WG2147181-2 WG2147181
Analysis started at: 11/28/2025 3:50:54 PM
Comment <Comment>
Rack Number 2
Vial Numbers 43

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0467 ppm	1.8937 ppm	0.1151 ppm	0.9727 ppm	1.8829 ppm	0.0470 ppm	10.0966 ppm
Concentration per Run	0.0471 ppm	1.9022 ppm	0.1155 ppm	0.9699 ppm	1.8858 ppm	0.0471 ppm	10.1081 ppm
Concentration per Run	0.0471 ppm	1.8924 ppm	0.1159 ppm	0.9736 ppm	1.8831 ppm	0.0471 ppm	10.1142 ppm
Concentration per Run	0.0460 ppm	1.8865 ppm	0.1139 ppm	0.9747 ppm	1.8797 ppm	0.0469 ppm	10.0674 ppm
Concentration RSD	1.3 %	0.4 %	0.9 %	0.3 %	0.2 %	0.2 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0536 ppm	0.4640 ppm	0.1897 ppm	0.2362 ppm	0.9333 ppm	10.5605 ppm	1.0828 ppm
Concentration per Run	0.0534 ppm	0.4638 ppm	0.1890 ppm	0.2351 ppm	0.9361 ppm	10.5945 ppm	1.0839 ppm
Concentration per Run	0.0539 ppm	0.4646 ppm	0.1900 ppm	0.2376 ppm	0.9341 ppm	10.5385 ppm	1.0783 ppm
Concentration per Run	0.0535 ppm	0.4635 ppm	0.1903 ppm	0.2358 ppm	0.9295 ppm	10.5484 ppm	1.0864 ppm
Concentration RSD	0.5 %	0.1 %	0.4 %	0.6 %	0.4 %	0.3 %	0.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	9.9195 ppm	0.4673 ppm	0.9767 ppm	10.2833 ppm	0.4709 ppm	0.5146 ppm	0.4560 ppm
Concentration per Run	9.8528 ppm	0.4677 ppm	0.9733 ppm	10.2224 ppm	0.4711 ppm	0.5144 ppm	0.4412 ppm
Concentration per Run	9.9469 ppm	0.4671 ppm	0.9778 ppm	10.2704 ppm	0.4707 ppm	0.5122 ppm	0.4634 ppm
Concentration per Run	9.9589 ppm	0.4671 ppm	0.9790 ppm	10.3570 ppm	0.4710 ppm	0.5172 ppm	0.4635 ppm
Concentration RSD	0.6 %	0.1 %	0.3 %	0.7 %	0.0 %	0.5 %	2.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1142 ppm	0.6497 ppm	0.9662 ppm	0.9793 ppm	0.9868 ppm	0.1171 ppm	0.4833 ppm
Concentration per Run	0.1143 ppm	0.6468 ppm	0.9688 ppm	0.9802 ppm	0.9839 ppm	0.1187 ppm	0.4820 ppm
Concentration per Run	0.1144 ppm	0.6498 ppm	0.9677 ppm	0.9792 ppm	0.9858 ppm	0.1159 ppm	0.4857 ppm
Concentration per Run	0.1137 ppm	0.6524 ppm	0.9621 ppm	0.9784 ppm	0.9907 ppm	0.1166 ppm	0.4821 ppm
Concentration RSD	0.3 %	0.4 %	0.4 %	0.1 %	0.4 %	1.3 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4727 ppm	100.1863 %	99.0013 %	99.4770 %	98.3690 %	97.8303 %	98.9426 %
Concentration per Run	0.4742 ppm	100.0849 %	99.2029 %	99.0815 %	98.1853 %	98.1593 %	98.3418 %
Concentration per Run	0.4726 ppm	100.3034 %	99.0954 %	100.0487 %	98.7343 %	97.8139 %	99.2768 %
Concentration per Run	0.4715 ppm	100.1706 %	98.7055 %	99.3010 %	98.1874 %	97.5178 %	99.2092 %
Concentration RSD	0.3 %	0.1 %	0.3 %	0.5 %	0.3 %	0.3 %	0.5 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2575346-01 WG2147181
Analysis started at: 11/28/2025 3:53:04 PM
Comment <Comment>
Rack Number 2
Vial Numbers 49

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	0.1942 ppm	0.0003 ppm	0.0197 ppm	0.0509 ppm	0.0001 ppm	82.6759 ppm
Concentration per Run	-0.0003 ppm	0.1960 ppm	-0.0009 ppm	0.0177 ppm	0.0513 ppm	0.0000 ppm	82.8383 ppm
Concentration per Run	-0.0003 ppm	0.1977 ppm	-0.0002 ppm	0.0204 ppm	0.0507 ppm	0.0001 ppm	82.5413 ppm
Concentration per Run	-0.0001 ppm	0.1889 ppm	0.0019 ppm	0.0210 ppm	0.0508 ppm	0.0001 ppm	82.6480 ppm
Concentration RSD	63.3 %	2.4 %	571.6 %	9.0 %	0.6 %	40.5 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0001 ppm	-0.0002 ppm	0.0006 ppm	0.0452 ppm	3.4025 ppm	0.0123 ppm
Concentration per Run	0.0000 ppm	-0.0008 ppm	-0.0002 ppm	0.0007 ppm	0.0446 ppm	3.4448 ppm	0.0138 ppm
Concentration per Run	0.0000 ppm	0.0007 ppm	0.0001 ppm	0.0006 ppm	0.0458 ppm	3.3930 ppm	0.0137 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	-0.0004 ppm	0.0006 ppm	0.0451 ppm	3.3698 ppm	0.0095 ppm
Concentration RSD	396.9 %	1,288.2 %	138.7 %	11.3 %	1.3 %	1.1 %	19.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	25.4795 ppm	0.0756 ppm	0.0018 ppm	70.2120 ppm	0.0040 ppm	-0.0016 ppm	0.0037 ppm
Concentration per Run	25.4916 ppm	0.0757 ppm	0.0015 ppm	70.3571 ppm	0.0036 ppm	-0.0027 ppm	0.0042 ppm
Concentration per Run	25.4660 ppm	0.0754 ppm	0.0021 ppm	70.0578 ppm	0.0046 ppm	-0.0008 ppm	0.0035 ppm
Concentration per Run	25.4810 ppm	0.0756 ppm	0.0019 ppm	70.2211 ppm	0.0038 ppm	-0.0011 ppm	0.0034 ppm
Concentration RSD	0.1 %	0.2 %	15.8 %	0.2 %	13.6 %	67.7 %	11.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0013 ppm	2.9584 ppm	0.0016 ppm	0.6137 ppm	0.0010 ppm	0.0006 ppm	0.0000 ppm
Concentration per Run	0.0002 ppm	2.9482 ppm	0.0015 ppm	0.6153 ppm	0.0009 ppm	0.0010 ppm	0.0000 ppm
Concentration per Run	0.0009 ppm	2.9493 ppm	0.0016 ppm	0.6137 ppm	0.0014 ppm	0.0007 ppm	-0.0002 ppm
Concentration per Run	0.0029 ppm	2.9777 ppm	0.0016 ppm	0.6120 ppm	0.0007 ppm	0.0001 ppm	0.0002 ppm
Concentration RSD	105.6 %	0.6 %	5.0 %	0.3 %	35.5 %	74.6 %	3,889.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0036 ppm	97.5616 %	99.4352 %	95.1297 %	95.9285 %	97.9736 %	96.4766 %
Concentration per Run	0.0037 ppm	98.1125 %	99.3724 %	95.5407 %	96.6662 %	97.9345 %	96.7793 %
Concentration per Run	0.0035 ppm	97.3377 %	100.0258 %	94.8951 %	95.3558 %	98.6342 %	96.4920 %
Concentration per Run	0.0035 ppm	97.2348 %	98.9073 %	94.9532 %	95.7635 %	97.3520 %	96.1586 %
Concentration RSD	3.6 %	0.5 %	0.6 %	0.4 %	0.7 %	0.7 %	0.3 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2575346-02 WG2147181
Analysis started at: 11/28/2025 3:55:14 PM
Comment <Comment>
Rack Number 2
Vial Numbers 50

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.1990 ppm	-0.0011 ppm	0.0194 ppm	0.0495 ppm	0.0001 ppm	80.5692 ppm
Concentration per Run	-0.0005 ppm	0.2004 ppm	-0.0007 ppm	0.0195 ppm	0.0496 ppm	0.0001 ppm	80.3209 ppm
Concentration per Run	0.0002 ppm	0.1956 ppm	-0.0013 ppm	0.0185 ppm	0.0495 ppm	0.0001 ppm	80.8071 ppm
Concentration per Run	0.0001 ppm	0.2008 ppm	-0.0014 ppm	0.0203 ppm	0.0493 ppm	0.0000 ppm	80.5796 ppm
Concentration RSD	728.6 %	1.4 %	31.5 %	4.5 %	0.3 %	82.1 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0004 ppm	0.0006 ppm	0.0570 ppm	3.1088 ppm	0.0094 ppm
Concentration per Run	-0.0001 ppm	-0.0001 ppm	0.0008 ppm	0.0008 ppm	0.0579 ppm	3.1143 ppm	0.0079 ppm
Concentration per Run	-0.0002 ppm	0.0002 ppm	0.0003 ppm	0.0003 ppm	0.0566 ppm	3.1168 ppm	0.0107 ppm
Concentration per Run	-0.0001 ppm	-0.0002 ppm	0.0000 ppm	0.0008 ppm	0.0566 ppm	3.0951 ppm	0.0095 ppm
Concentration RSD	64.1 %	840.7 %	102.4 %	48.6 %	1.3 %	0.4 %	14.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	24.7545 ppm	0.0589 ppm	0.0013 ppm	69.3500 ppm	0.0041 ppm	-0.0024 ppm	0.0035 ppm
Concentration per Run	24.7630 ppm	0.0586 ppm	0.0011 ppm	69.4991 ppm	0.0041 ppm	-0.0021 ppm	0.0025 ppm
Concentration per Run	24.7429 ppm	0.0590 ppm	0.0018 ppm	69.2044 ppm	0.0044 ppm	-0.0026 ppm	0.0063 ppm
Concentration per Run	24.7576 ppm	0.0591 ppm	0.0011 ppm	69.3466 ppm	0.0038 ppm	-0.0025 ppm	0.0015 ppm
Concentration RSD	0.0 %	0.4 %	27.2 %	0.2 %	7.3 %	11.9 %	72.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0002 ppm	2.8920 ppm	0.0008 ppm	0.5937 ppm	0.0018 ppm	0.0017 ppm	0.0000 ppm
Concentration per Run	0.0013 ppm	2.8893 ppm	0.0000 ppm	0.5938 ppm	0.0018 ppm	0.0013 ppm	-0.0001 ppm
Concentration per Run	-0.0022 ppm	2.8954 ppm	0.0006 ppm	0.5952 ppm	0.0017 ppm	0.0030 ppm	-0.0001 ppm
Concentration per Run	0.0002 ppm	2.8914 ppm	0.0019 ppm	0.5922 ppm	0.0018 ppm	0.0009 ppm	0.0002 ppm
Concentration RSD	765.6 %	0.1 %	120.8 %	0.3 %	5.2 %	63.4 %	3,432.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0028 ppm	97.7301 %	98.9324 %	95.2902 %	95.7457 %	97.3540 %	96.5095 %
Concentration per Run	0.0030 ppm	96.6554 %	99.6049 %	95.5642 %	94.9882 %	98.0390 %	96.7550 %
Concentration per Run	0.0030 ppm	98.2858 %	98.2378 %	95.3366 %	95.8021 %	96.5411 %	96.4120 %
Concentration per Run	0.0025 ppm	98.2491 %	98.9545 %	94.9697 %	96.4467 %	97.4820 %	96.3614 %
Concentration RSD	10.5 %	1.0 %	0.7 %	0.3 %	0.8 %	0.8 %	0.2 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2575359-01 WG2147181
Analysis started at: 11/28/2025 3:57:24 PM
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Rack Number 2
Vial Numbers 51

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0006 ppm	-0.0007 ppm	0.0015 ppm	0.5778 ppm	0.0285 ppm	0.0000 ppm	519.8103 ppm
Concentration per Run	-0.0009 ppm	0.0067 ppm	0.0027 ppm	0.5799 ppm	0.0286 ppm	0.0000 ppm	519.0357 ppm
Concentration per Run	-0.0001 ppm	-0.0075 ppm	0.0014 ppm	0.5760 ppm	0.0283 ppm	0.0000 ppm	518.4002 ppm
Concentration per Run	-0.0008 ppm	-0.0012 ppm	0.0006 ppm	0.5774 ppm	0.0286 ppm	0.0000 ppm	521.9949 ppm
Concentration RSD	70.9 %	1,058.6 %	69.2 %	0.3 %	0.7 %	136.2 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0017 ppm	-0.0001 ppm	0.0004 ppm	0.0055 ppm	96.8168 ppm	0.1418 ppm
Concentration per Run	0.0002 ppm	0.0021 ppm	0.0000 ppm	0.0000 ppm	0.0065 ppm	96.3822 ppm	0.1391 ppm
Concentration per Run	0.0003 ppm	0.0019 ppm	-0.0002 ppm	0.0001 ppm	0.0050 ppm	96.5926 ppm	0.1412 ppm
Concentration per Run	0.0002 ppm	0.0010 ppm	-0.0002 ppm	0.0012 ppm	0.0052 ppm	97.4758 ppm	0.1451 ppm
Concentration RSD	25.7 %	34.3 %	100.5 %	151.8 %	14.6 %	0.6 %	2.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	186.8489 ppm	5.3224 ppm	0.0044 ppm	1,549.2328 [SIC 800]	0.0060 ppm	-0.0034 ppm	0.0012 ppm
Concentration per Run	187.6484 ppm	5.3237 ppm	0.0044 ppm	1,550.2849 ppm	0.0055 ppm	-0.0042 ppm	-0.0017 ppm
Concentration per Run	186.4615 ppm	5.3056 ppm	0.0041 ppm	1,551.9927 ppm	0.0064 ppm	-0.0028 ppm	0.0015 ppm
Concentration per Run	186.4369 ppm	5.3380 ppm	0.0047 ppm	1,545.4208 ppm	0.0062 ppm	-0.0031 ppm	0.0036 ppm
Concentration RSD	0.4 %	0.3 %	5.9 %	0.2 %	8.3 %	21.1 %	229.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0001 ppm	6.7087 ppm	0.0000 ppm	9.1309 ppm	0.0001 ppm	0.0012 ppm	-0.0006 ppm
Concentration per Run	-0.0029 ppm	6.7303 ppm	-0.0001 ppm	9.1059 ppm	-0.0002 ppm	-0.0003 ppm	-0.0003 ppm
Concentration per Run	-0.0003 ppm	6.7174 ppm	-0.0001 ppm	9.0853 ppm	0.0001 ppm	0.0033 ppm	-0.0010 ppm
Concentration per Run	0.0029 ppm	6.6783 ppm	0.0001 ppm	9.2017 ppm	0.0004 ppm	0.0004 ppm	-0.0005 ppm
Concentration RSD	2,799.8 %	0.4 %	231.1 %	0.7 %	258.0 %	165.3 %	61.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0005 ppm	81.8545 %	93.2916 %	76.1267 %	80.0167 %	91.4802 %	82.1928 %
Concentration per Run	0.0004 ppm	81.1685 %	92.7691 %	76.3091 %	79.5255 %	91.0915 %	82.2624 %
Concentration per Run	0.0003 ppm	81.7282 %	93.6643 %	76.1254 %	79.9039 %	91.5945 %	82.4829 %
Concentration per Run	0.0007 ppm	82.6667 %	93.4414 %	75.9457 %	80.6207 %	91.7547 %	81.8330 %
Concentration RSD	45.1 %	0.9 %	0.5 %	0.2 %	0.7 %	0.4 %	0.4 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2575402-01 WG2147181
Analysis started at: 11/28/2025 3:59:34 PM
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Rack Number 2
Vial Numbers 44

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.8636 ppm	0.0006 ppm	0.1392 ppm	0.0374 ppm	0.0001 ppm	33.2054 ppm
Concentration per Run	-0.0007 ppm	0.8630 ppm	0.0007 ppm	0.1371 ppm	0.0373 ppm	0.0001 ppm	33.2055 ppm
Concentration per Run	0.0003 ppm	0.8572 ppm	0.0025 ppm	0.1426 ppm	0.0374 ppm	0.0001 ppm	33.2116 ppm
Concentration per Run	0.0000 ppm	0.8706 ppm	-0.0014 ppm	0.1378 ppm	0.0373 ppm	0.0001 ppm	33.1991 ppm
Concentration RSD	414.9 %	0.8 %	324.4 %	2.1 %	0.1 %	19.5 %	0.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0009 ppm	0.0028 ppm	0.0026 ppm	1.7209 ppm	14.1375 ppm	0.0097 ppm
Concentration per Run	0.0001 ppm	0.0015 ppm	0.0033 ppm	0.0025 ppm	1.7092 ppm	14.0386 ppm	0.0092 ppm
Concentration per Run	-0.0001 ppm	0.0006 ppm	0.0019 ppm	0.0027 ppm	1.7334 ppm	14.2679 ppm	0.0099 ppm
Concentration per Run	-0.0001 ppm	0.0006 ppm	0.0032 ppm	0.0027 ppm	1.7202 ppm	14.1061 ppm	0.0099 ppm
Concentration RSD	243.4 %	59.8 %	28.0 %	3.3 %	0.7 %	0.8 %	4.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	37.9227 ppm	0.0927 ppm	0.0009 ppm	267.2016 ppm	0.0022 ppm	0.0012 ppm	0.0012 ppm
Concentration per Run	37.8995 ppm	0.0926 ppm	0.0015 ppm	266.5863 ppm	0.0021 ppm	0.0031 ppm	0.0027 ppm
Concentration per Run	38.0008 ppm	0.0925 ppm	0.0002 ppm	266.3580 ppm	0.0022 ppm	-0.0011 ppm	0.0009 ppm
Concentration per Run	37.8678 ppm	0.0930 ppm	0.0009 ppm	268.6603 ppm	0.0022 ppm	0.0015 ppm	0.0000 ppm
Concentration RSD	0.2 %	0.3 %	75.2 %	0.5 %	2.3 %	177.2 %	113.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0027 ppm	2.9060 ppm	-0.0008 ppm	0.2937 ppm	0.0408 ppm	0.0018 ppm	0.0033 ppm
Concentration per Run	0.0065 ppm	2.8921 ppm	-0.0023 ppm	0.2938 ppm	0.0409 ppm	0.0012 ppm	0.0035 ppm
Concentration per Run	0.0037 ppm	2.9234 ppm	-0.0009 ppm	0.2935 ppm	0.0411 ppm	0.0030 ppm	0.0033 ppm
Concentration per Run	-0.0019 ppm	2.9027 ppm	0.0007 ppm	0.2938 ppm	0.0405 ppm	0.0012 ppm	0.0032 ppm
Concentration RSD	156.4 %	0.5 %	189.3 %	0.1 %	0.7 %	57.1 %	5.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0130 ppm	95.1183 %	98.5552 %	92.1043 %	93.6579 %	97.0478 %	94.9744 %
Concentration per Run	0.0130 ppm	95.2518 %	99.0201 %	91.7940 %	94.0136 %	97.6009 %	94.6870 %
Concentration per Run	0.0131 ppm	95.1804 %	97.9891 %	92.8402 %	93.4793 %	96.3823 %	95.7176 %
Concentration per Run	0.0129 ppm	94.9228 %	98.6563 %	91.6787 %	93.4807 %	97.1603 %	94.5187 %
Concentration RSD	0.7 %	0.2 %	0.5 %	0.7 %	0.3 %	0.6 %	0.7 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2147181-3 WG2147181
Analysis started at: 11/28/2025 4:01:45 PM
Comment <Comment>
Rack Number 2
Vial Numbers 45

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0456 ppm	2.7144 ppm	0.1176 ppm	1.0755 ppm	1.8422 ppm	0.0456 ppm	41.9864 ppm
Concentration per Run	0.0460 ppm	2.7154 ppm	0.1164 ppm	1.0796 ppm	1.8403 ppm	0.0457 ppm	41.9189 ppm
Concentration per Run	0.0454 ppm	2.7151 ppm	0.1171 ppm	1.0717 ppm	1.8493 ppm	0.0458 ppm	41.9872 ppm
Concentration per Run	0.0453 ppm	2.7128 ppm	0.1194 ppm	1.0752 ppm	1.8370 ppm	0.0454 ppm	42.0531 ppm
Concentration RSD	0.9 %	0.1 %	1.3 %	0.4 %	0.3 %	0.4 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0511 ppm	0.4389 ppm	0.1840 ppm	0.2256 ppm	2.5614 ppm	24.1575 ppm	1.0534 ppm
Concentration per Run	0.0513 ppm	0.4403 ppm	0.1851 ppm	0.2261 ppm	2.5536 ppm	24.1195 ppm	1.0568 ppm
Concentration per Run	0.0509 ppm	0.4363 ppm	0.1830 ppm	0.2250 ppm	2.5780 ppm	24.2107 ppm	1.0612 ppm
Concentration per Run	0.0510 ppm	0.4403 ppm	0.1840 ppm	0.2255 ppm	2.5526 ppm	24.1422 ppm	1.0422 ppm
Concentration RSD	0.4 %	0.5 %	0.6 %	0.2 %	0.6 %	0.2 %	0.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	46.3797 ppm	0.5366 ppm	0.9523 ppm	271.6415 ppm	0.4432 ppm	0.4957 ppm	0.4499 ppm
Concentration per Run	46.6780 ppm	0.5373 ppm	0.9552 ppm	271.4078 ppm	0.4429 ppm	0.4961 ppm	0.4435 ppm
Concentration per Run	46.0854 ppm	0.5376 ppm	0.9485 ppm	273.0035 ppm	0.4439 ppm	0.4954 ppm	0.4505 ppm
Concentration per Run	46.3756 ppm	0.5348 ppm	0.9532 ppm	270.5131 ppm	0.4427 ppm	0.4956 ppm	0.4558 ppm
Concentration RSD	0.6 %	0.3 %	0.4 %	0.5 %	0.1 %	0.1 %	1.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1180 ppm	3.6638 ppm	0.8976 ppm	1.2189 ppm	0.9932 ppm	0.1071 ppm	0.4749 ppm
Concentration per Run	0.1203 ppm	3.6744 ppm	0.8973 ppm	1.2170 ppm	0.9988 ppm	0.1072 ppm	0.4769 ppm
Concentration per Run	0.1174 ppm	3.6574 ppm	0.8953 ppm	1.2236 ppm	0.9880 ppm	0.1064 ppm	0.4746 ppm
Concentration per Run	0.1161 ppm	3.6595 ppm	0.9003 ppm	1.2160 ppm	0.9928 ppm	0.1078 ppm	0.4732 ppm
Concentration RSD	1.8 %	0.3 %	0.3 %	0.3 %	0.5 %	0.7 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4665 ppm	95.5612 %	98.2370 %	91.6937 %	93.7624 %	96.6447 %	94.6049 %
Concentration per Run	0.4692 ppm	95.0956 %	98.0937 %	91.7379 %	93.2566 %	96.6448 %	94.5002 %
Concentration per Run	0.4634 ppm	96.6736 %	97.2667 %	91.5257 %	94.8156 %	96.0092 %	94.4412 %
Concentration per Run	0.4670 ppm	94.9146 %	99.3506 %	91.8176 %	93.2149 %	97.2801 %	94.8733 %
Concentration RSD	0.6 %	1.0 %	1.1 %	0.2 %	1.0 %	0.7 %	0.2 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2147181-4 WG2147181
Analysis started at: 11/28/2025 4:03:55 PM
Comment <Comment>
Rack Number 2
Vial Numbers 46

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0005 ppm	0.8610 ppm	0.0008 ppm	0.1447 ppm	0.0383 ppm	0.0001 ppm	34.0983 ppm
Concentration per Run	-0.0013 ppm	0.8596 ppm	0.0009 ppm	0.1461 ppm	0.0384 ppm	0.0001 ppm	33.8381 ppm
Concentration per Run	0.0000 ppm	0.8546 ppm	-0.0009 ppm	0.1452 ppm	0.0385 ppm	0.0001 ppm	34.2147 ppm
Concentration per Run	-0.0001 ppm	0.8687 ppm	0.0023 ppm	0.1429 ppm	0.0381 ppm	0.0000 ppm	34.2421 ppm
Concentration RSD	167.7 %	0.8 %	209.5 %	1.1 %	0.6 %	37.0 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0012 ppm	0.0023 ppm	0.0030 ppm	1.7204 ppm	14.4659 ppm	0.0101 ppm
Concentration per Run	0.0000 ppm	0.0018 ppm	0.0024 ppm	0.0030 ppm	1.7113 ppm	14.3766 ppm	0.0124 ppm
Concentration per Run	-0.0001 ppm	0.0008 ppm	0.0024 ppm	0.0032 ppm	1.7293 ppm	14.5512 ppm	0.0085 ppm
Concentration per Run	0.0000 ppm	0.0011 ppm	0.0021 ppm	0.0028 ppm	1.7206 ppm	14.4699 ppm	0.0093 ppm
Concentration RSD	196.6 %	43.6 %	7.7 %	7.5 %	0.5 %	0.6 %	20.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	39.0611 ppm	0.0948 ppm	0.0019 ppm	274.8944 ppm	0.0017 ppm	0.0007 ppm	0.0034 ppm
Concentration per Run	39.1166 ppm	0.0942 ppm	0.0014 ppm	273.0211 ppm	0.0019 ppm	-0.0010 ppm	0.0023 ppm
Concentration per Run	39.0533 ppm	0.0954 ppm	0.0022 ppm	275.3685 ppm	0.0013 ppm	0.0005 ppm	0.0028 ppm
Concentration per Run	39.0135 ppm	0.0949 ppm	0.0022 ppm	276.2935 ppm	0.0019 ppm	0.0026 ppm	0.0051 ppm
Concentration RSD	0.1 %	0.6 %	25.2 %	0.6 %	20.3 %	251.6 %	43.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0013 ppm	2.9501 ppm	0.0019 ppm	0.3005 ppm	0.0411 ppm	0.0007 ppm	0.0031 ppm
Concentration per Run	0.0025 ppm	2.9364 ppm	0.0014 ppm	0.3009 ppm	0.0411 ppm	-0.0005 ppm	0.0031 ppm
Concentration per Run	0.0019 ppm	2.9592 ppm	0.0026 ppm	0.2999 ppm	0.0412 ppm	0.0009 ppm	0.0030 ppm
Concentration per Run	-0.0006 ppm	2.9547 ppm	0.0017 ppm	0.3007 ppm	0.0411 ppm	0.0017 ppm	0.0032 ppm
Concentration RSD	132.2 %	0.4 %	34.1 %	0.2 %	0.1 %	160.4 %	3.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0134 ppm	94.4495 %	97.2738 %	91.5740 %	93.0855 %	95.6580 %	94.5086 %
Concentration per Run	0.0134 ppm	94.6092 %	97.9182 %	91.1662 %	93.7040 %	95.8163 %	94.1675 %
Concentration per Run	0.0135 ppm	94.2385 %	96.8251 %	91.7684 %	92.7676 %	95.4006 %	94.6563 %
Concentration per Run	0.0133 ppm	94.5009 %	97.0781 %	91.7876 %	92.7849 %	95.7571 %	94.7020 %
Concentration RSD	0.8 %	0.2 %	0.6 %	0.4 %	0.6 %	0.2 %	0.3 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: WG2147181-5 WG2147181
Analysis started at: 11/28/2025 4:06:05 PM
Comment <Comment>
Rack Number 2
Vial Numbers 47

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0454 ppm	2.6961 ppm	0.1242 ppm	1.1168 ppm	1.8726 ppm	0.0464 ppm	42.7538 ppm
Concentration per Run	0.0454 ppm	2.7009 ppm	0.1254 ppm	1.1167 ppm	1.8727 ppm	0.0466 ppm	42.7863 ppm
Concentration per Run	0.0456 ppm	2.6933 ppm	0.1212 ppm	1.1131 ppm	1.8704 ppm	0.0465 ppm	42.7674 ppm
Concentration per Run	0.0453 ppm	2.6940 ppm	0.1260 ppm	1.1206 ppm	1.8746 ppm	0.0462 ppm	42.7075 ppm
Concentration RSD	0.4 %	0.2 %	2.1 %	0.3 %	0.1 %	0.4 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0523 ppm	0.4470 ppm	0.1867 ppm	0.2296 ppm	2.6051 ppm	24.4742 ppm	0.0112 ppm
Concentration per Run	0.0520 ppm	0.4465 ppm	0.1858 ppm	0.2295 ppm	2.6048 ppm	24.4284 ppm	0.0099 ppm
Concentration per Run	0.0524 ppm	0.4452 ppm	0.1857 ppm	0.2282 ppm	2.6040 ppm	24.4729 ppm	0.0124 ppm
Concentration per Run	0.0524 ppm	0.4492 ppm	0.1887 ppm	0.2310 ppm	2.6065 ppm	24.5213 ppm	0.0113 ppm
Concentration RSD	0.4 %	0.5 %	0.9 %	0.6 %	0.0 %	0.2 %	11.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	47.2996 ppm	0.5480 ppm	1.0024 ppm	275.0004 ppm	0.4534 ppm	0.5119 ppm	0.4295 ppm
Concentration per Run	47.3446 ppm	0.5486 ppm	1.0013 ppm	275.3847 ppm	0.4523 ppm	0.5134 ppm	0.4170 ppm
Concentration per Run	47.3193 ppm	0.5472 ppm	1.0016 ppm	274.0999 ppm	0.4522 ppm	0.5102 ppm	0.4314 ppm
Concentration per Run	47.2350 ppm	0.5481 ppm	1.0042 ppm	275.5166 ppm	0.4555 ppm	0.5121 ppm	0.4403 ppm
Concentration RSD	0.1 %	0.1 %	0.2 %	0.3 %	0.4 %	0.3 %	2.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1206 ppm	4.0112 ppm	0.9696 ppm	1.2499 ppm	1.0473 ppm	0.1111 ppm	0.4840 ppm
Concentration per Run	0.1222 ppm	4.0137 ppm	0.9661 ppm	1.2497 ppm	1.0390 ppm	0.1126 ppm	0.4846 ppm
Concentration per Run	0.1198 ppm	3.9903 ppm	0.9663 ppm	1.2484 ppm	1.0483 ppm	0.1104 ppm	0.4824 ppm
Concentration per Run	0.1198 ppm	4.0296 ppm	0.9764 ppm	1.2518 ppm	1.0545 ppm	0.1103 ppm	0.4850 ppm
Concentration RSD	1.1 %	0.5 %	0.6 %	0.1 %	0.7 %	1.2 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4758 ppm	95.1222 %	97.5692 %	91.2759 %	93.5984 %	96.1397 %	94.1967 %
Concentration per Run	0.4744 ppm	95.6364 %	97.7451 %	90.7382 %	94.0124 %	96.5220 %	93.6672 %
Concentration per Run	0.4750 ppm	95.3016 %	97.4803 %	91.6174 %	93.6904 %	96.1887 %	94.7574 %
Concentration per Run	0.4780 ppm	94.4287 %	97.4822 %	91.4721 %	93.0925 %	95.7084 %	94.1654 %
Concentration RSD	0.4 %	0.7 %	0.2 %	0.5 %	0.5 %	0.4 %	0.6 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2147181-6D5 WG2147181
Analysis started at: 11/28/2025 4:08:15 PM
Comment <Comment>
Rack Number 2
Vial Numbers 48

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	0.1818 ppm	0.0003 ppm	0.0298 ppm	0.0076 ppm	0.0001 ppm	6.7037 ppm
Concentration per Run	-0.0004 ppm	0.1765 ppm	0.0001 ppm	0.0306 ppm	0.0076 ppm	0.0000 ppm	6.7144 ppm
Concentration per Run	0.0000 ppm	0.1819 ppm	0.0006 ppm	0.0293 ppm	0.0074 ppm	0.0001 ppm	6.6736 ppm
Concentration per Run	-0.0002 ppm	0.1869 ppm	0.0000 ppm	0.0296 ppm	0.0076 ppm	0.0000 ppm	6.7231 ppm
Concentration RSD	108.2 %	2.9 %	118.6 %	2.2 %	2.0 %	62.3 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0006 ppm	0.0004 ppm	0.3472 ppm	2.8020 ppm	0.0030 ppm
Concentration per Run	-0.0001 ppm	-0.0001 ppm	0.0010 ppm	0.0006 ppm	0.3476 ppm	2.8337 ppm	0.0023 ppm
Concentration per Run	0.0001 ppm	-0.0003 ppm	0.0005 ppm	0.0006 ppm	0.3474 ppm	2.7706 ppm	0.0034 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	0.0004 ppm	-0.0001 ppm	0.3465 ppm	2.8015 ppm	0.0031 ppm
Concentration RSD	267.1 %	1,004.8 %	55.0 %	116.5 %	0.2 %	1.1 %	19.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	7.7271 ppm	0.0187 ppm	0.0010 ppm	55.1857 ppm	0.0002 ppm	-0.0017 ppm	0.0055 ppm
Concentration per Run	7.7163 ppm	0.0187 ppm	0.0007 ppm	55.1894 ppm	0.0006 ppm	-0.0002 ppm	0.0046 ppm
Concentration per Run	7.7376 ppm	0.0184 ppm	0.0015 ppm	54.7965 ppm	0.0001 ppm	-0.0038 ppm	0.0030 ppm
Concentration per Run	7.7275 ppm	0.0189 ppm	0.0009 ppm	55.5713 ppm	0.0001 ppm	-0.0011 ppm	0.0089 ppm
Concentration RSD	0.1 %	1.4 %	44.1 %	0.7 %	111.2 %	108.9 %	55.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0017 ppm	0.5678 ppm	0.0061 ppm	0.0589 ppm	0.0081 ppm	0.0017 ppm	0.0004 ppm
Concentration per Run	-0.0009 ppm	0.5629 ppm	0.0055 ppm	0.0590 ppm	0.0082 ppm	0.0000 ppm	0.0008 ppm
Concentration per Run	0.0024 ppm	0.5698 ppm	0.0066 ppm	0.0585 ppm	0.0080 ppm	0.0024 ppm	0.0002 ppm
Concentration per Run	0.0035 ppm	0.5706 ppm	0.0062 ppm	0.0592 ppm	0.0083 ppm	0.0027 ppm	0.0002 ppm
Concentration RSD	135.5 %	0.7 %	9.3 %	0.6 %	1.8 %	88.0 %	78.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0026 ppm	98.2674 %	98.5910 %	97.1883 %	96.4372 %	96.8466 %	96.8911 %
Concentration per Run	0.0025 ppm	99.0376 %	98.8850 %	97.5384 %	96.8757 %	97.2813 %	97.2678 %
Concentration per Run	0.0026 ppm	97.5728 %	98.4486 %	96.8551 %	95.5850 %	96.2637 %	96.4523 %
Concentration per Run	0.0027 ppm	98.1918 %	98.4393 %	97.1716 %	96.8509 %	96.9949 %	96.9533 %
Concentration RSD	4.6 %	0.7 %	0.3 %	0.4 %	0.8 %	0.5 %	0.4 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: CCV
Analysis started at: 11/28/2025 4:10:26 PM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4994 ppm	0.4761 ppm	0.4762 ppm	0.4752 ppm	0.4979 ppm	0.4993 ppm	0.4855 ppm
Concentration per Run	0.4998 ppm	0.4743 ppm	0.4732 ppm	0.4746 ppm	0.4940 ppm	0.4977 ppm	0.4787 ppm
Concentration per Run	0.4970 ppm	0.4685 ppm	0.4758 ppm	0.4731 ppm	0.5004 ppm	0.5003 ppm	0.4898 ppm
Concentration per Run	0.5014 ppm	0.4856 ppm	0.4797 ppm	0.4779 ppm	0.4992 ppm	0.4998 ppm	0.4879 ppm
Recovery Percentage	99.885 %	95.227 %	95.248 %	95.042 %	99.571 %	99.854 %	97.093 %
Concentration RSD	0.5 %	1.8 %	0.7 %	0.5 %	0.7 %	0.3 %	1.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5063 ppm	0.5054 ppm	0.5074 ppm	0.5101 ppm	0.4885 ppm	5.2035 ppm	0.5151 ppm
Concentration per Run	0.5061 ppm	0.5057 ppm	0.5075 ppm	0.5103 ppm	0.4879 ppm	5.1812 ppm	0.5168 ppm
Concentration per Run	0.5043 ppm	0.5038 ppm	0.5048 ppm	0.5080 ppm	0.4862 ppm	5.2135 ppm	0.5061 ppm
Concentration per Run	0.5084 ppm	0.5068 ppm	0.5098 ppm	0.5120 ppm	0.4913 ppm	5.2156 ppm	0.5223 ppm
Recovery Percentage	101.256 %	101.088 %	101.476 %	102.027 %	97.693 %	104.069 %	103.018 %
Concentration RSD	0.4 %	0.3 %	0.5 %	0.4 %	0.5 %	0.4 %	1.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4983 ppm	0.5033 ppm	0.4817 ppm	10.1788 ppm	0.5068 ppm	0.4898 ppm	0.5053 ppm
Concentration per Run	0.4982 ppm	0.5004 ppm	0.4812 ppm	10.1673 ppm	0.5088 ppm	0.4875 ppm	0.5057 ppm
Concentration per Run	0.4993 ppm	0.5045 ppm	0.4808 ppm	10.1365 ppm	0.5050 ppm	0.4929 ppm	0.5081 ppm
Concentration per Run	0.4976 ppm	0.5049 ppm	0.4831 ppm	10.2326 ppm	0.5068 ppm	0.4889 ppm	0.5022 ppm
Recovery Percentage	99.668 %	100.652 %	96.347 %	101.788 %	101.370 %	97.952 %	101.069 %
Concentration RSD	0.2 %	0.5 %	0.3 %	0.5 %	0.4 %	0.6 %	0.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4686 ppm	5.3014 ppm	0.4860 ppm	0.4924 ppm	0.4900 ppm	0.4876 ppm	0.5047 ppm
Concentration per Run	0.4684 ppm	5.2951 ppm	0.4859 ppm	0.4892 ppm	0.4896 ppm	0.4860 ppm	0.5051 ppm
Concentration per Run	0.4689 ppm	5.2819 ppm	0.4831 ppm	0.4941 ppm	0.4907 ppm	0.4909 ppm	0.5029 ppm
Concentration per Run	0.4683 ppm	5.3271 ppm	0.4889 ppm	0.4939 ppm	0.4896 ppm	0.4860 ppm	0.5061 ppm
Recovery Percentage	93.711 %	100.979 %	97.192 %	98.472 %	97.996 %	97.529 %	100.939 %
Concentration RSD	0.1 %	0.4 %	0.6 %	0.6 %	0.1 %	0.6 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4945 ppm	100.8811 %	98.9161 %	100.4092 %	99.1059 %	97.3316 %	99.0506 %
Concentration per Run	0.4947 ppm	101.2925 %	99.5004 %	100.7101 %	99.6659 %	97.3126 %	98.9749 %
Concentration per Run	0.4930 ppm	101.2686 %	98.6716 %	100.2663 %	99.5119 %	96.9708 %	99.2870 %
Concentration per Run	0.4958 ppm	100.0821 %	98.5762 %	100.2511 %	98.1399 %	97.7114 %	98.8899 %
Recovery Percentage	98.896 %						
Concentration RSD	0.3 %	0.7 %	0.5 %	0.3 %	0.8 %	0.4 %	0.2 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: CCB
Analysis started at: 11/28/2025 4:12:36 PM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0052 ppm	-0.0005 ppm	0.0001 ppm	0.0003 ppm	0.0000 ppm	-0.0029 ppm
Concentration per Run	0.0004 ppm	0.0076 ppm	-0.0012 ppm	0.0014 ppm	0.0004 ppm	0.0000 ppm	-0.0004 ppm
Concentration per Run	-0.0003 ppm	0.0046 ppm	0.0012 ppm	-0.0015 ppm	0.0004 ppm	0.0000 ppm	-0.0057 ppm
Concentration per Run	0.0000 ppm	0.0035 ppm	-0.0017 ppm	0.0005 ppm	0.0001 ppm	0.0000 ppm	-0.0026 ppm
Recovery Percentage	0.379 %	5.209 %	-10.981 %	0.492 %	2.698 %	0.438 %	-2.908 %
Concentration RSD	1,335.5 %	40.5 %	286.1 %	996.0 %	67.3 %	102.3 %	90.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0006 ppm	-0.0001 ppm	-0.0005 ppm	-0.0020 ppm	0.0157 ppm	0.0003 ppm
Concentration per Run	-0.0001 ppm	0.0008 ppm	0.0000 ppm	-0.0001 ppm	-0.0021 ppm	0.0255 ppm	-0.0006 ppm
Concentration per Run	-0.0001 ppm	0.0006 ppm	0.0000 ppm	-0.0008 ppm	-0.0028 ppm	0.0070 ppm	0.0014 ppm
Concentration per Run	-0.0001 ppm	0.0002 ppm	-0.0002 ppm	-0.0005 ppm	-0.0009 ppm	0.0146 ppm	-0.0001 ppm
Recovery Percentage	-1.610 %	2.845 %	-0.826 %	-4.894 %	-3.933 %	0.627 %	5.095 %
Concentration RSD	26.2 %	53.7 %	170.9 %	75.4 %	50.0 %	59.5 %	392.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0002 ppm	0.0002 ppm	0.0002 ppm	0.0851 ppm	-0.0011 ppm	-0.0014 ppm	0.0021 ppm
Concentration per Run	-0.0003 ppm	0.0001 ppm	0.0006 ppm	0.0811 ppm	-0.0010 ppm	-0.0012 ppm	0.0033 ppm
Concentration per Run	0.0009 ppm	0.0004 ppm	-0.0001 ppm	0.0916 ppm	-0.0019 ppm	-0.0021 ppm	0.0004 ppm
Concentration per Run	-0.0012 ppm	0.0001 ppm	0.0001 ppm	0.0824 ppm	-0.0005 ppm	-0.0009 ppm	0.0027 ppm
Recovery Percentage	-0.209 %	1.774 %	0.394 %	4.254 %	-4.455 %	-13.948 %	4.292 %
Concentration RSD	484.1 %	94.6 %	185.2 %	6.7 %	65.1 %	45.6 %	71.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0002 ppm	0.0026 ppm	0.0016 ppm	0.0001 ppm	-0.0004 ppm	0.0013 ppm	0.0000 ppm
Concentration per Run	-0.0033 ppm	0.0032 ppm	0.0024 ppm	0.0002 ppm	-0.0004 ppm	0.0006 ppm	-0.0001 ppm
Concentration per Run	0.0004 ppm	0.0034 ppm	0.0011 ppm	0.0001 ppm	-0.0006 ppm	-0.0003 ppm	0.0001 ppm
Concentration per Run	0.0023 ppm	0.0012 ppm	0.0014 ppm	0.0002 ppm	-0.0004 ppm	0.0035 ppm	0.0001 ppm
Recovery Percentage	-2.230 %	0.520 %	3.244 %	1.359 %	-4.385 %	6.311 %	-0.056 %
Concentration RSD	1,279.1 %	48.2 %	43.2 %	36.1 %	23.6 %	156.7 %	1,930.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0001 ppm	97.9698 %	96.3334 %	99.1262 %	98.6701 %	96.2097 %	98.7711 %
Concentration per Run	-0.0001 ppm	98.1034 %	96.2936 %	98.8856 %	98.9244 %	96.7544 %	98.1345 %
Concentration per Run	-0.0001 ppm	98.5774 %	96.5117 %	98.9478 %	99.1223 %	95.9784 %	98.6045 %
Concentration per Run	-0.0001 ppm	97.2285 %	96.1948 %	99.5452 %	97.9634 %	95.8964 %	99.5742 %
Recovery Percentage	-1.435 %						
Concentration RSD	16.8 %	0.7 %	0.2 %	0.4 %	0.6 %	0.5 %	0.7 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: WG2147184-1 WG2147184
Analysis started at: 11/28/2025 4:25:43 PM
Comment <Comment>
Rack Number 2
Vial Numbers 52

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0228 ppm	-0.0002 ppm	-0.0002 ppm	0.0003 ppm	0.0000 ppm	0.0068 ppm
Concentration per Run	-0.0002 ppm	0.0231 ppm	0.0004 ppm	0.0008 ppm	0.0004 ppm	0.0000 ppm	0.0070 ppm
Concentration per Run	0.0000 ppm	0.0166 ppm	-0.0007 ppm	-0.0016 ppm	0.0003 ppm	0.0000 ppm	0.0068 ppm
Concentration per Run	0.0001 ppm	0.0287 ppm	-0.0001 ppm	0.0003 ppm	0.0003 ppm	0.0000 ppm	0.0065 ppm
Recovery Percentage	-0.702 %	22.795 %	-3.378 %	-0.594 %	3.497 %	0.446 %	6.760 %
Concentration RSD	251.9 %	26.7 %	328.7 %	700.0 %	22.9 %	70.7 %	3.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0004 ppm	0.0001 ppm	0.0334 ppm	-0.0085 ppm	0.0025 ppm
Concentration per Run	-0.0001 ppm	-0.0003 ppm	0.0008 ppm	0.0000 ppm	0.0336 ppm	-0.0211 ppm	0.0013 ppm
Concentration per Run	-0.0001 ppm	-0.0001 ppm	0.0002 ppm	0.0001 ppm	0.0335 ppm	-0.0144 ppm	0.0043 ppm
Concentration per Run	-0.0001 ppm	0.0002 ppm	0.0002 ppm	0.0000 ppm	0.0332 ppm	0.0099 ppm	0.0017 ppm
Recovery Percentage	-1.715 %	-0.274 %	3.871 %	0.562 %	66.813 %	-0.341 %	49.016 %
Concentration RSD	7.9 %	501.8 %	101.4 %	128.3 %	0.6 %	191.2 %	67.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0078 ppm	0.0152 ppm	-0.0002 ppm	0.0448 ppm	-0.0005 ppm	-0.0012 ppm	0.0002 ppm
Concentration per Run	0.0077 ppm	0.0152 ppm	0.0001 ppm	0.0421 ppm	-0.0006 ppm	0.0000 ppm	-0.0001 ppm
Concentration per Run	0.0080 ppm	0.0153 ppm	-0.0005 ppm	0.0423 ppm	-0.0001 ppm	-0.0009 ppm	-0.0008 ppm
Concentration per Run	0.0077 ppm	0.0151 ppm	-0.0002 ppm	0.0500 ppm	-0.0009 ppm	-0.0026 ppm	0.0014 ppm
Recovery Percentage	7.793 %	151.849 %	-0.464 %	2.240 %	-2.112 %	-11.710 %	0.362 %
Concentration RSD	2.1 %	0.5 %	122.7 %	10.1 %	73.0 %	114.6 %	613.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0015 ppm	0.0246 ppm	0.0089 ppm	0.0002 ppm	0.0007 ppm	0.0005 ppm	-0.0003 ppm
Concentration per Run	0.0019 ppm	0.0217 ppm	0.0090 ppm	0.0002 ppm	0.0006 ppm	0.0011 ppm	-0.0001 ppm
Concentration per Run	0.0040 ppm	0.0271 ppm	0.0086 ppm	0.0001 ppm	0.0009 ppm	-0.0002 ppm	-0.0002 ppm
Concentration per Run	-0.0014 ppm	0.0249 ppm	0.0090 ppm	0.0003 ppm	0.0006 ppm	0.0007 ppm	-0.0004 ppm
Recovery Percentage	15.062 %	4.913 %	17.740 %	1.982 %	7.004 %	2.676 %	-2.571 %
Concentration RSD	183.2 %	10.9 %	2.3 %	37.9 %	30.0 %	122.8 %	55.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0006 ppm	100.0757 %	98.9385 %	99.0504 %	99.5007 %	98.6156 %	99.2435 %
Concentration per Run	0.0006 ppm	100.0540 %	99.2888 %	99.6392 %	99.2297 %	99.1154 %	99.6982 %
Concentration per Run	0.0004 ppm	99.7597 %	98.8542 %	98.4354 %	99.2659 %	98.7917 %	98.8988 %
Concentration per Run	0.0008 ppm	100.4134 %	98.6727 %	99.0766 %	100.0066 %	97.9398 %	99.1334 %
Recovery Percentage	11.667 %						
Concentration RSD	30.1 %	0.3 %	0.3 %	0.6 %	0.4 %	0.6 %	0.4 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: WG2147184-2d2 WG2147184
Analysis started at: 11/28/2025 4:28:05 PM
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Rack Number 2
Vial Numbers 53

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0474 ppm	1.9265 ppm	0.1152 ppm	0.9790 ppm	1.9186 ppm	0.0483 ppm	10.2037 ppm
Concentration per Run	0.0478 ppm	1.9335 ppm	0.1144 ppm	0.9782 ppm	1.9151 ppm	0.0483 ppm	10.2160 ppm
Concentration per Run	0.0470 ppm	1.9222 ppm	0.1158 ppm	0.9784 ppm	1.9182 ppm	0.0483 ppm	10.1871 ppm
Concentration per Run	0.0474 ppm	1.9237 ppm	0.1154 ppm	0.9805 ppm	1.9226 ppm	0.0483 ppm	10.2080 ppm
Concentration RSD	0.8 %	0.3 %	0.7 %	0.1 %	0.2 %	0.0 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0542 ppm	0.4727 ppm	0.1927 ppm	0.2418 ppm	0.9568 ppm	10.6225 ppm	1.0904 ppm
Concentration per Run	0.0540 ppm	0.4710 ppm	0.1922 ppm	0.2408 ppm	0.9578 ppm	10.6141 ppm	1.0840 ppm
Concentration per Run	0.0543 ppm	0.4727 ppm	0.1934 ppm	0.2424 ppm	0.9598 ppm	10.6087 ppm	1.0885 ppm
Concentration per Run	0.0544 ppm	0.4745 ppm	0.1925 ppm	0.2422 ppm	0.9529 ppm	10.6448 ppm	1.0985 ppm
Concentration RSD	0.3 %	0.4 %	0.3 %	0.3 %	0.4 %	0.2 %	0.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	9.9802 ppm	0.4771 ppm	0.9889 ppm	10.4072 ppm	0.4783 ppm	0.5192 ppm	0.5097 ppm
Concentration per Run	9.9765 ppm	0.4779 ppm	0.9852 ppm	10.4048 ppm	0.4763 ppm	0.5178 ppm	0.5090 ppm
Concentration per Run	9.9998 ppm	0.4754 ppm	0.9870 ppm	10.4008 ppm	0.4791 ppm	0.5184 ppm	0.5082 ppm
Concentration per Run	9.9644 ppm	0.4781 ppm	0.9945 ppm	10.4159 ppm	0.4794 ppm	0.5214 ppm	0.5120 ppm
Concentration RSD	0.2 %	0.3 %	0.5 %	0.1 %	0.4 %	0.4 %	0.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1132 ppm	0.7490 ppm	0.9896 ppm	0.9855 ppm	0.9946 ppm	0.1159 ppm	0.4932 ppm
Concentration per Run	0.1143 ppm	0.7426 ppm	0.9855 ppm	0.9835 ppm	0.9950 ppm	0.1139 ppm	0.4914 ppm
Concentration per Run	0.1143 ppm	0.7461 ppm	0.9859 ppm	0.9856 ppm	0.9959 ppm	0.1157 ppm	0.4931 ppm
Concentration per Run	0.1110 ppm	0.7584 ppm	0.9974 ppm	0.9874 ppm	0.9929 ppm	0.1181 ppm	0.4951 ppm
Concentration RSD	1.7 %	1.1 %	0.7 %	0.2 %	0.2 %	1.8 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4764 ppm	97.5912 %	97.5301 %	96.9908 %	95.6789 %	96.2071 %	97.0482 %
Concentration per Run	0.4752 ppm	97.4311 %	97.5456 %	97.0117 %	95.4236 %	96.5205 %	96.8747 %
Concentration per Run	0.4747 ppm	98.2616 %	98.1219 %	97.1648 %	96.2727 %	96.5276 %	97.4692 %
Concentration per Run	0.4792 ppm	97.0808 %	96.9227 %	96.7959 %	95.3405 %	95.5730 %	96.8005 %
Concentration RSD	0.5 %	0.6 %	0.6 %	0.2 %	0.5 %	0.6 %	0.4 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2575492-01d2 WG2147184
Analysis started at: 11/28/2025 4:30:15 PM
Comment <Comment>
Rack Number 2
Vial Numbers 54

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0026 ppm	102.0933 ppm	0.0722 ppm	0.0130 ppm	0.3304 ppm	0.0055 ppm	286.4639 ppm
Concentration per Run	0.0023 ppm	101.8202 ppm	0.0714 ppm	0.0136 ppm	0.3312 ppm	0.0055 ppm	285.7088 ppm
Concentration per Run	0.0027 ppm	102.5129 ppm	0.0703 ppm	0.0126 ppm	0.3308 ppm	0.0055 ppm	287.7523 ppm
Concentration per Run	0.0029 ppm	101.9469 ppm	0.0748 ppm	0.0129 ppm	0.3292 ppm	0.0055 ppm	285.9306 ppm
Concentration RSD	10.9 %	0.4 %	3.3 %	3.8 %	0.3 %	0.4 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0030 ppm	0.1389 ppm	0.1480 ppm	0.3767 ppm	247.2648 ppm	5.2441 ppm	0.3094 ppm
Concentration per Run	0.0028 ppm	0.1387 ppm	0.1476 ppm	0.3774 ppm	247.3888 ppm	5.2631 ppm	0.3023 ppm
Concentration per Run	0.0033 ppm	0.1387 ppm	0.1478 ppm	0.3757 ppm	248.4383 ppm	5.2622 ppm	0.3078 ppm
Concentration per Run	0.0030 ppm	0.1393 ppm	0.1485 ppm	0.3769 ppm	245.9674 ppm	5.2072 ppm	0.3181 ppm
Concentration RSD	8.4 %	0.2 %	0.3 %	0.2 %	0.5 %	0.6 %	2.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	74.7290 ppm	6.9788 ppm	0.0066 ppm	0.6522 ppm	0.2439 ppm	1.0021 ppm	0.0084 ppm
Concentration per Run	74.7502 ppm	6.9699 ppm	0.0075 ppm	0.6541 ppm	0.2444 ppm	0.9987 ppm	0.0112 ppm
Concentration per Run	74.7091 ppm	7.0161 ppm	0.0064 ppm	0.6579 ppm	0.2417 ppm	1.0047 ppm	0.0049 ppm
Concentration per Run	74.7275 ppm	6.9504 ppm	0.0060 ppm	0.6445 ppm	0.2457 ppm	1.0030 ppm	0.0092 ppm
Concentration RSD	0.0 %	0.5 %	11.7 %	1.1 %	0.8 %	0.3 %	38.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0039 ppm	3.9814 ppm	0.0088 ppm	2.4599 ppm	0.1572 ppm	-0.0011 ppm	0.1198 ppm
Concentration per Run	0.0060 ppm	3.9611 ppm	0.0078 ppm	2.4547 ppm	0.1589 ppm	-0.0017 ppm	0.1198 ppm
Concentration per Run	0.0026 ppm	3.9788 ppm	0.0100 ppm	2.4744 ppm	0.1544 ppm	0.0007 ppm	0.1195 ppm
Concentration per Run	0.0029 ppm	4.0043 ppm	0.0085 ppm	2.4507 ppm	0.1584 ppm	-0.0022 ppm	0.1202 ppm
Concentration RSD	49.1 %	0.5 %	12.5 %	0.5 %	1.6 %	142.2 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.8816 ppm	96.5165 %	99.7272 %	88.2483 %	106.9445 %	112.2101 %	108.6277 %
Concentration per Run	0.8849 ppm	96.4700 %	99.1351 %	88.9110 %	106.8670 %	111.0507 %	109.1680 %
Concentration per Run	0.8758 ppm	96.6391 %	99.5810 %	87.6752 %	106.8588 %	112.6250 %	108.0010 %
Concentration per Run	0.8841 ppm	96.4403 %	100.4656 %	88.1587 %	107.1076 %	112.9545 %	108.7141 %
Concentration RSD	0.6 %	0.1 %	0.7 %	0.7 %	0.1 %	0.9 %	0.5 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: WG2147184-3d2 WG2147184
Analysis started at: 11/28/2025 4:32:25 PM
Comment <Comment>
Rack Number 2
Vial Numbers 55

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0499 ppm	114.3876 ppm	0.1864 ppm	0.7828 ppm	2.7456 ppm	0.0537 ppm	155.2384 ppm
Concentration per Run	0.0500 ppm	114.2700 ppm	0.1851 ppm	0.7843 ppm	2.7441 ppm	0.0536 ppm	155.2309 ppm
Concentration per Run	0.0500 ppm	115.1823 ppm	0.1878 ppm	0.7811 ppm	2.7610 ppm	0.0541 ppm	156.2507 ppm
Concentration per Run	0.0495 ppm	113.7105 ppm	0.1865 ppm	0.7829 ppm	2.7318 ppm	0.0533 ppm	154.2336 ppm
Concentration RSD	0.6 %	0.6 %	0.7 %	0.2 %	0.5 %	0.7 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0587 ppm	0.5607 ppm	0.3435 ppm	0.5363 ppm	227.3744 ppm	13.7613 ppm	1.3443 ppm
Concentration per Run	0.0587 ppm	0.5594 ppm	0.3418 ppm	0.5357 ppm	227.1528 ppm	13.7571 ppm	1.3350 ppm
Concentration per Run	0.0588 ppm	0.5620 ppm	0.3444 ppm	0.5365 ppm	228.8424 ppm	13.8233 ppm	1.3722 ppm
Concentration per Run	0.0587 ppm	0.5606 ppm	0.3443 ppm	0.5368 ppm	226.1279 ppm	13.7036 ppm	1.3256 ppm
Concentration RSD	0.1 %	0.2 %	0.4 %	0.1 %	0.6 %	0.4 %	1.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	65.0321 ppm	12.4510 ppm	0.9380 ppm	11.1871 ppm	0.6826 ppm	4.8101 ppm	0.2075 ppm
Concentration per Run	64.9611 ppm	12.4373 ppm	0.9364 ppm	11.2560 ppm	0.6834 ppm	4.7829 ppm	0.2064 ppm
Concentration per Run	65.2655 ppm	12.5484 ppm	0.9378 ppm	11.1631 ppm	0.6815 ppm	4.8200 ppm	0.2037 ppm
Concentration per Run	64.8696 ppm	12.3674 ppm	0.9398 ppm	11.1422 ppm	0.6830 ppm	4.8275 ppm	0.2123 ppm
Concentration RSD	0.3 %	0.7 %	0.2 %	0.5 %	0.1 %	0.5 %	2.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1187 ppm	7.0169 ppm	0.9141 ppm	1.8752 ppm	0.6202 ppm	0.1085 ppm	0.6377 ppm
Concentration per Run	0.1177 ppm	7.0098 ppm	0.9095 ppm	1.8719 ppm	0.6221 ppm	0.1082 ppm	0.6358 ppm
Concentration per Run	0.1194 ppm	7.0151 ppm	0.9130 ppm	1.8902 ppm	0.6178 ppm	0.1078 ppm	0.6394 ppm
Concentration per Run	0.1188 ppm	7.0259 ppm	0.9198 ppm	1.8634 ppm	0.6207 ppm	0.1096 ppm	0.6379 ppm
Concentration RSD	0.7 %	0.1 %	0.6 %	0.7 %	0.4 %	0.8 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.2393 ppm	96.8767 %	100.5995 %	90.2243 %	111.0258 %	116.5675 %	113.2893 %
Concentration per Run	1.2398 ppm	97.3188 %	99.7956 %	90.7421 %	111.5653 %	115.6327 %	113.4895 %
Concentration per Run	1.2386 ppm	96.6785 %	100.7926 %	89.9787 %	110.7890 %	117.6203 %	113.0751 %
Concentration per Run	1.2394 ppm	96.6327 %	101.2102 %	89.9521 %	110.7232 %	116.4494 %	113.3033 %
Concentration RSD	0.1 %	0.4 %	0.7 %	0.5 %	0.4 %	0.9 %	0.2 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: WG2147184-4d2 WG2147184
Analysis started at: 11/28/2025 4:34:35 PM
Comment <Comment>
Rack Number 2
Vial Numbers 56

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0023 ppm	113.0688 ppm	0.0901 ppm	0.0106 ppm	0.5817 ppm	0.0060 ppm	99.7683 ppm
Concentration per Run	0.0027 ppm	113.2534 ppm	0.0906 ppm	0.0100 ppm	0.5837 ppm	0.0060 ppm	99.8120 ppm
Concentration per Run	0.0021 ppm	113.1504 ppm	0.0910 ppm	0.0110 ppm	0.5816 ppm	0.0060 ppm	99.9361 ppm
Concentration per Run	0.0021 ppm	112.8025 ppm	0.0888 ppm	0.0107 ppm	0.5799 ppm	0.0060 ppm	99.5567 ppm
Concentration RSD	14.9 %	0.2 %	1.3 %	4.6 %	0.3 %	0.5 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0056 ppm	0.1337 ppm	0.1605 ppm	0.3053 ppm	249.1781 ppm	5.0805 ppm	0.2821 ppm
Concentration per Run	0.0056 ppm	0.1328 ppm	0.1589 ppm	0.3043 ppm	249.6140 ppm	5.1214 ppm	0.2859 ppm
Concentration per Run	0.0056 ppm	0.1343 ppm	0.1608 ppm	0.3073 ppm	249.4387 ppm	5.0431 ppm	0.2795 ppm
Concentration per Run	0.0056 ppm	0.1341 ppm	0.1616 ppm	0.3045 ppm	248.4815 ppm	5.0770 ppm	0.2808 ppm
Concentration RSD	0.3 %	0.6 %	0.9 %	0.6 %	0.2 %	0.8 %	1.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	64.3131 ppm	6.6644 ppm	0.0073 ppm	0.9328 ppm	0.2471 ppm	2.9921 ppm	0.0214 ppm
Concentration per Run	64.0326 ppm	6.6669 ppm	0.0068 ppm	0.9352 ppm	0.2458 ppm	2.9841 ppm	0.0226 ppm
Concentration per Run	64.5071 ppm	6.6771 ppm	0.0078 ppm	0.9396 ppm	0.2469 ppm	2.9999 ppm	0.0207 ppm
Concentration per Run	64.3996 ppm	6.6492 ppm	0.0072 ppm	0.9235 ppm	0.2486 ppm	2.9922 ppm	0.0209 ppm
Concentration RSD	0.4 %	0.2 %	7.4 %	0.9 %	0.6 %	0.3 %	5.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0016 ppm	3.7321 ppm	0.0178 ppm	0.4529 ppm	0.1335 ppm	-0.0006 ppm	0.1473 ppm
Concentration per Run	0.0023 ppm	3.7413 ppm	0.0186 ppm	0.4543 ppm	0.1303 ppm	0.0018 ppm	0.1467 ppm
Concentration per Run	-0.0038 ppm	3.7467 ppm	0.0170 ppm	0.4521 ppm	0.1370 ppm	-0.0003 ppm	0.1475 ppm
Concentration per Run	0.0062 ppm	3.7083 ppm	0.0177 ppm	0.4524 ppm	0.1333 ppm	-0.0033 ppm	0.1475 ppm
Concentration RSD	317.3 %	0.6 %	4.3 %	0.3 %	2.5 %	446.4 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.7442 ppm	97.8912 %	100.3087 %	91.1751 %	108.3738 %	112.5643 %	109.8199 %
Concentration per Run	0.7403 ppm	97.9591 %	100.0641 %	91.8039 %	108.2113 %	112.5334 %	110.6579 %
Concentration per Run	0.7479 ppm	97.7807 %	100.2660 %	90.6689 %	108.5026 %	112.5117 %	109.0861 %
Concentration per Run	0.7443 ppm	97.9337 %	100.5960 %	91.0526 %	108.4076 %	112.6480 %	109.7157 %
Concentration RSD	0.5 %	0.1 %	0.3 %	0.6 %	0.1 %	0.1 %	0.7 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: WG2147184-5d2 WG2147184
Analysis started at: 11/28/2025 4:36:45 PM
Comment <Comment>
Rack Number 2
Vial Numbers 57

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0472 ppm	101.0157 ppm	0.1722 ppm	0.9448 ppm	2.1063 ppm	0.0500 ppm	287.2420 ppm
Concentration per Run	0.0472 ppm	101.6814 ppm	0.1739 ppm	0.9362 ppm	2.1293 ppm	0.0506 ppm	289.9014 ppm
Concentration per Run	0.0470 ppm	100.6167 ppm	0.1704 ppm	0.9432 ppm	2.0966 ppm	0.0496 ppm	285.4590 ppm
Concentration per Run	0.0475 ppm	100.7489 ppm	0.1724 ppm	0.9550 ppm	2.0929 ppm	0.0497 ppm	286.3656 ppm
Concentration RSD	0.6 %	0.6 %	1.0 %	1.0 %	1.0 %	1.1 %	0.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0513 ppm	0.5563 ppm	0.3229 ppm	0.5961 ppm	241.4284 ppm	15.4844 ppm	0.2902 ppm
Concentration per Run	0.0510 ppm	0.5534 ppm	0.3190 ppm	0.5916 ppm	244.2383 ppm	15.6886 ppm	0.2928 ppm
Concentration per Run	0.0512 ppm	0.5563 ppm	0.3238 ppm	0.5969 ppm	240.3542 ppm	15.4203 ppm	0.2926 ppm
Concentration per Run	0.0517 ppm	0.5591 ppm	0.3258 ppm	0.5999 ppm	239.6928 ppm	15.3444 ppm	0.2853 ppm
Concentration RSD	0.7 %	0.5 %	1.1 %	0.7 %	1.0 %	1.2 %	1.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	82.0233 ppm	7.1849 ppm	0.9558 ppm	10.8921 ppm	0.6632 ppm	1.4712 ppm	0.4687 ppm
Concentration per Run	82.1552 ppm	7.2399 ppm	0.9514 ppm	10.9518 ppm	0.6587 ppm	1.4777 ppm	0.4686 ppm
Concentration per Run	81.7976 ppm	7.1388 ppm	0.9590 ppm	10.8670 ppm	0.6634 ppm	1.4680 ppm	0.4692 ppm
Concentration per Run	82.1171 ppm	7.1760 ppm	0.9570 ppm	10.8574 ppm	0.6674 ppm	1.4680 ppm	0.4683 ppm
Concentration RSD	0.2 %	0.7 %	0.4 %	0.5 %	0.7 %	0.4 %	0.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1179 ppm	5.2282 ppm	0.9201 ppm	3.2998 ppm	1.1170 ppm	0.1080 ppm	0.5804 ppm
Concentration per Run	0.1192 ppm	5.2097 ppm	0.9145 ppm	3.3350 ppm	1.1028 ppm	0.1085 ppm	0.5756 ppm
Concentration per Run	0.1179 ppm	5.2469 ppm	0.9266 ppm	3.2844 ppm	1.1229 ppm	0.1075 ppm	0.5818 ppm
Concentration per Run	0.1166 ppm	5.2279 ppm	0.9193 ppm	3.2799 ppm	1.1254 ppm	0.1081 ppm	0.5836 ppm
Concentration RSD	1.1 %	0.4 %	0.7 %	0.9 %	1.1 %	0.4 %	0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.2919 ppm	95.0285 %	99.4184 %	87.7441 %	105.8701 %	111.8683 %	107.3723 %
Concentration per Run	1.2828 ppm	95.3773 %	98.2785 %	87.5305 %	105.8304 %	111.6271 %	107.1648 %
Concentration per Run	1.2868 ppm	95.4028 %	99.7697 %	87.9877 %	106.4633 %	111.5503 %	107.7186 %
Concentration per Run	1.3060 ppm	94.3054 %	100.2071 %	87.7140 %	105.3166 %	112.4274 %	107.2335 %
Concentration RSD	1.0 %	0.7 %	1.0 %	0.3 %	0.5 %	0.4 %	0.3 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: WG2147184-6d10 WG2147184
Analysis started at: 11/28/2025 4:38:55 PM
Comment <Comment>
Rack Number 2
Vial Numbers 58

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0003 ppm	21.3044 ppm	0.0149 ppm	0.0029 ppm	0.0685 ppm	0.0012 ppm	61.4507 ppm
Concentration per Run	-0.0003 ppm	21.3615 ppm	0.0164 ppm	0.0028 ppm	0.0686 ppm	0.0011 ppm	61.4683 ppm
Concentration per Run	0.0009 ppm	21.2287 ppm	0.0135 ppm	0.0031 ppm	0.0685 ppm	0.0012 ppm	61.2668 ppm
Concentration per Run	0.0004 ppm	21.3230 ppm	0.0149 ppm	0.0029 ppm	0.0684 ppm	0.0012 ppm	61.6171 ppm
Concentration RSD	186.8 %	0.3 %	9.9 %	4.6 %	0.2 %	4.7 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0006 ppm	0.0300 ppm	0.0317 ppm	0.0781 ppm	54.4223 ppm	1.0475 ppm	0.0642 ppm
Concentration per Run	0.0006 ppm	0.0299 ppm	0.0315 ppm	0.0788 ppm	54.5130 ppm	1.0856 ppm	0.0653 ppm
Concentration per Run	0.0005 ppm	0.0301 ppm	0.0318 ppm	0.0782 ppm	54.3361 ppm	1.0197 ppm	0.0609 ppm
Concentration per Run	0.0006 ppm	0.0299 ppm	0.0317 ppm	0.0774 ppm	54.4179 ppm	1.0373 ppm	0.0664 ppm
Concentration RSD	8.1 %	0.4 %	0.5 %	0.9 %	0.2 %	3.3 %	4.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	16.0613 ppm	1.5032 ppm	0.0016 ppm	0.1560 ppm	0.0520 ppm	0.2064 ppm	0.0050 ppm
Concentration per Run	16.0620 ppm	1.5048 ppm	0.0015 ppm	0.1576 ppm	0.0520 ppm	0.2050 ppm	0.0052 ppm
Concentration per Run	16.2197 ppm	1.4971 ppm	0.0016 ppm	0.1513 ppm	0.0524 ppm	0.2075 ppm	0.0045 ppm
Concentration per Run	15.9022 ppm	1.5076 ppm	0.0016 ppm	0.1591 ppm	0.0517 ppm	0.2066 ppm	0.0053 ppm
Concentration RSD	1.0 %	0.4 %	1.6 %	2.6 %	0.7 %	0.6 %	8.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0014 ppm	0.8180 ppm	0.0019 ppm	0.5115 ppm	0.0319 ppm	0.0009 ppm	0.0246 ppm
Concentration per Run	0.0025 ppm	0.8196 ppm	0.0029 ppm	0.5107 ppm	0.0331 ppm	0.0014 ppm	0.0249 ppm
Concentration per Run	-0.0007 ppm	0.8185 ppm	0.0015 ppm	0.5101 ppm	0.0317 ppm	0.0005 ppm	0.0242 ppm
Concentration per Run	0.0024 ppm	0.8158 ppm	0.0013 ppm	0.5136 ppm	0.0309 ppm	0.0007 ppm	0.0247 ppm
Concentration RSD	132.8 %	0.2 %	46.6 %	0.4 %	3.4 %	54.7 %	1.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1915 ppm	97.8524 %	97.3703 %	94.6383 %	98.6973 %	99.4827 %	98.9353 %
Concentration per Run	0.1923 ppm	97.5064 %	97.8036 %	94.4877 %	98.2655 %	100.0047 %	98.7477 %
Concentration per Run	0.1913 ppm	98.2112 %	96.7270 %	93.9053 %	99.2395 %	98.6363 %	98.4049 %
Concentration per Run	0.1909 ppm	97.8396 %	97.5803 %	95.5221 %	98.5868 %	99.8072 %	99.6533 %
Concentration RSD	0.4 %	0.4 %	0.6 %	0.9 %	0.5 %	0.7 %	0.7 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2575492-02d2 WG2147184
Analysis started at: 11/28/2025 4:41:06 PM
Comment <Comment>
Rack Number 2
Vial Numbers 59

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0020 ppm	110.4742 ppm	0.1146 ppm	0.0101 ppm	0.9054 ppm	0.0065 ppm	72.2491 ppm
Concentration per Run	0.0016 ppm	110.1917 ppm	0.1180 ppm	0.0097 ppm	0.9016 ppm	0.0065 ppm	71.9346 ppm
Concentration per Run	0.0021 ppm	110.4695 ppm	0.1106 ppm	0.0112 ppm	0.9069 ppm	0.0064 ppm	72.2864 ppm
Concentration per Run	0.0022 ppm	110.7614 ppm	0.1153 ppm	0.0094 ppm	0.9077 ppm	0.0065 ppm	72.5264 ppm
Concentration RSD	16.4 %	0.3 %	3.2 %	9.7 %	0.4 %	0.6 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0106 ppm	0.0977 ppm	0.1642 ppm	0.2778 ppm	213.1560 ppm	5.4196 ppm	0.2307 ppm
Concentration per Run	0.0108 ppm	0.0978 ppm	0.1649 ppm	0.2774 ppm	212.0109 ppm	5.4005 ppm	0.2306 ppm
Concentration per Run	0.0104 ppm	0.0972 ppm	0.1638 ppm	0.2774 ppm	213.0709 ppm	5.4251 ppm	0.2343 ppm
Concentration per Run	0.0107 ppm	0.0980 ppm	0.1640 ppm	0.2787 ppm	214.3861 ppm	5.4333 ppm	0.2270 ppm
Concentration RSD	1.9 %	0.4 %	0.4 %	0.3 %	0.6 %	0.3 %	1.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	60.4477 ppm	9.9956 ppm	0.0045 ppm	1.2341 ppm	0.2110 ppm	5.2777 ppm	0.0427 ppm
Concentration per Run	60.5805 ppm	9.9684 ppm	0.0046 ppm	1.2318 ppm	0.2115 ppm	5.2642 ppm	0.0435 ppm
Concentration per Run	60.3488 ppm	9.9716 ppm	0.0039 ppm	1.2337 ppm	0.2092 ppm	5.2789 ppm	0.0424 ppm
Concentration per Run	60.4137 ppm	10.0469 ppm	0.0049 ppm	1.2368 ppm	0.2123 ppm	5.2900 ppm	0.0421 ppm
Concentration RSD	0.2 %	0.4 %	11.1 %	0.2 %	0.8 %	0.2 %	1.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0068 ppm	2.9742 ppm	0.0291 ppm	0.2629 ppm	0.1444 ppm	0.0003 ppm	0.1639 ppm
Concentration per Run	0.0073 ppm	2.9726 ppm	0.0300 ppm	0.2612 ppm	0.1428 ppm	0.0002 ppm	0.1641 ppm
Concentration per Run	0.0052 ppm	2.9887 ppm	0.0290 ppm	0.2639 ppm	0.1461 ppm	0.0013 ppm	0.1632 ppm
Concentration per Run	0.0077 ppm	2.9612 ppm	0.0285 ppm	0.2636 ppm	0.1442 ppm	-0.0004 ppm	0.1643 ppm
Concentration RSD	20.4 %	0.5 %	2.6 %	0.6 %	1.1 %	255.2 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.9725 ppm	98.1018 %	99.6370 %	92.4109 %	111.8650 %	115.3936 %	114.2701 %
Concentration per Run	0.9746 ppm	97.5352 %	100.4415 %	92.6380 %	111.1978 %	116.2163 %	114.3461 %
Concentration per Run	0.9716 ppm	98.7936 %	99.6600 %	92.4835 %	112.3834 %	115.4866 %	114.2086 %
Concentration per Run	0.9714 ppm	97.9764 %	98.8094 %	92.1114 %	112.0138 %	114.4780 %	114.2555 %
Concentration RSD	0.2 %	0.7 %	0.8 %	0.3 %	0.5 %	0.8 %	0.1 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2575492-03d2 WG2147184
Analysis started at: 11/28/2025 4:43:16 PM
Comment <Comment>
Rack Number 2
Vial Numbers 60

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0020 ppm	100.5824 ppm	0.1267 ppm	0.0094 ppm	0.6186 ppm	0.0058 ppm	75.9740 ppm
Concentration per Run	0.0024 ppm	99.5028 ppm	0.1268 ppm	0.0092 ppm	0.6168 ppm	0.0058 ppm	75.1837 ppm
Concentration per Run	0.0017 ppm	101.4495 ppm	0.1267 ppm	0.0084 ppm	0.6225 ppm	0.0059 ppm	76.6942 ppm
Concentration per Run	0.0019 ppm	100.7949 ppm	0.1266 ppm	0.0106 ppm	0.6165 ppm	0.0058 ppm	76.0442 ppm
Concentration RSD	17.5 %	1.0 %	0.1 %	11.6 %	0.6 %	1.0 %	1.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0059 ppm	0.1134 ppm	0.1458 ppm	0.2684 ppm	226.1885 ppm	4.4395 ppm	0.2447 ppm
Concentration per Run	0.0060 ppm	0.1129 ppm	0.1443 ppm	0.2678 ppm	224.8982 ppm	4.4069 ppm	0.2509 ppm
Concentration per Run	0.0059 ppm	0.1135 ppm	0.1464 ppm	0.2686 ppm	227.5465 ppm	4.4677 ppm	0.2455 ppm
Concentration per Run	0.0058 ppm	0.1136 ppm	0.1468 ppm	0.2687 ppm	226.1209 ppm	4.4440 ppm	0.2377 ppm
Concentration RSD	1.1 %	0.4 %	0.9 %	0.2 %	0.6 %	0.7 %	2.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	57.2935 ppm	5.4581 ppm	0.0057 ppm	1.3514 ppm	0.2166 ppm	4.5786 ppm	0.0477 ppm
Concentration per Run	57.3326 ppm	5.4043 ppm	0.0057 ppm	1.3369 ppm	0.2154 ppm	4.5811 ppm	0.0475 ppm
Concentration per Run	57.2486 ppm	5.5114 ppm	0.0053 ppm	1.3698 ppm	0.2155 ppm	4.5691 ppm	0.0513 ppm
Concentration per Run	57.2992 ppm	5.4586 ppm	0.0062 ppm	1.3475 ppm	0.2190 ppm	4.5857 ppm	0.0443 ppm
Concentration RSD	0.1 %	1.0 %	7.3 %	1.2 %	0.9 %	0.2 %	7.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0025 ppm	3.5150 ppm	0.0236 ppm	0.3512 ppm	0.1482 ppm	-0.0007 ppm	0.1437 ppm
Concentration per Run	0.0067 ppm	3.4936 ppm	0.0224 ppm	0.3516 ppm	0.1459 ppm	-0.0019 ppm	0.1425 ppm
Concentration per Run	0.0000 ppm	3.5152 ppm	0.0242 ppm	0.3537 ppm	0.1492 ppm	0.0001 ppm	0.1441 ppm
Concentration per Run	0.0007 ppm	3.5362 ppm	0.0241 ppm	0.3483 ppm	0.1495 ppm	-0.0002 ppm	0.1444 ppm
Concentration RSD	149.1 %	0.6 %	4.2 %	0.8 %	1.4 %	163.9 %	0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.7066 ppm	97.1887 %	98.6154 %	91.6307 %	107.8563 %	110.8837 %	109.7994 %
Concentration per Run	0.7036 ppm	97.6934 %	99.4586 %	91.2064 %	108.2868 %	110.7679 %	109.3861 %
Concentration per Run	0.7073 ppm	96.8644 %	98.3338 %	91.7448 %	107.3668 %	111.4854 %	109.6913 %
Concentration per Run	0.7090 ppm	97.0084 %	98.0540 %	91.9408 %	107.9152 %	110.3977 %	110.3208 %
Concentration RSD	0.4 %	0.5 %	0.8 %	0.4 %	0.4 %	0.5 %	0.4 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2575492-04d2 WG2147184
Analysis started at: 11/28/2025 4:45:26 PM
Comment <Comment>
Rack Number 3
Vial Numbers 1

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0027 ppm	110.2013 ppm	0.1073 ppm	0.0109 ppm	0.8744 ppm	0.0063 ppm	61.4137 ppm
Concentration per Run	0.0019 ppm	110.1254 ppm	0.1057 ppm	0.0099 ppm	0.8728 ppm	0.0063 ppm	61.3943 ppm
Concentration per Run	0.0035 ppm	110.3560 ppm	0.1081 ppm	0.0105 ppm	0.8757 ppm	0.0062 ppm	61.4753 ppm
Concentration per Run	0.0027 ppm	110.1223 ppm	0.1082 ppm	0.0123 ppm	0.8749 ppm	0.0063 ppm	61.3716 ppm
Concentration RSD	29.9 %	0.1 %	1.3 %	11.2 %	0.2 %	0.6 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0093 ppm	0.1100 ppm	0.1636 ppm	0.2622 ppm	236.2890 ppm	5.5054 ppm	0.2618 ppm
Concentration per Run	0.0093 ppm	0.1109 ppm	0.1639 ppm	0.2626 ppm	236.2961 ppm	5.4969 ppm	0.2616 ppm
Concentration per Run	0.0092 ppm	0.1093 ppm	0.1620 ppm	0.2598 ppm	236.1870 ppm	5.4886 ppm	0.2606 ppm
Concentration per Run	0.0094 ppm	0.1096 ppm	0.1649 ppm	0.2642 ppm	236.3840 ppm	5.5306 ppm	0.2633 ppm
Concentration RSD	1.0 %	0.7 %	0.9 %	0.8 %	0.0 %	0.4 %	0.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	52.1739 ppm	9.2058 ppm	0.0040 ppm	0.8570 ppm	0.2422 ppm	5.5965 ppm	0.0433 ppm
Concentration per Run	52.2310 ppm	9.2136 ppm	0.0041 ppm	0.8527 ppm	0.2438 ppm	5.5927 ppm	0.0411 ppm
Concentration per Run	52.1793 ppm	9.2108 ppm	0.0040 ppm	0.8658 ppm	0.2396 ppm	5.5717 ppm	0.0454 ppm
Concentration per Run	52.1114 ppm	9.1930 ppm	0.0038 ppm	0.8524 ppm	0.2433 ppm	5.6251 ppm	0.0433 ppm
Concentration RSD	0.1 %	0.1 %	3.0 %	0.9 %	1.0 %	0.5 %	5.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0055 ppm	4.2460 ppm	0.0269 ppm	0.2869 ppm	0.1939 ppm	-0.0004 ppm	0.1657 ppm
Concentration per Run	0.0060 ppm	4.2762 ppm	0.0255 ppm	0.2861 ppm	0.1928 ppm	-0.0006 ppm	0.1669 ppm
Concentration per Run	0.0036 ppm	4.2241 ppm	0.0287 ppm	0.2876 ppm	0.1942 ppm	-0.0005 ppm	0.1645 ppm
Concentration per Run	0.0070 ppm	4.2378 ppm	0.0265 ppm	0.2870 ppm	0.1948 ppm	-0.0003 ppm	0.1657 ppm
Concentration RSD	31.1 %	0.6 %	6.0 %	0.3 %	0.5 %	40.2 %	0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.8851 ppm	98.5807 %	99.9853 %	93.0153 %	115.5893 %	119.2828 %	118.2841 %
Concentration per Run	0.8867 ppm	98.8188 %	99.9581 %	93.3556 %	116.2338 %	119.3976 %	118.8311 %
Concentration per Run	0.8818 ppm	98.9758 %	99.4529 %	93.3574 %	115.6620 %	118.5772 %	118.2698 %
Concentration per Run	0.8869 ppm	97.9475 %	100.5450 %	92.3330 %	114.8721 %	119.8736 %	117.7514 %
Concentration RSD	0.3 %	0.6 %	0.5 %	0.6 %	0.6 %	0.5 %	0.5 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: CCV
Analysis started at: 11/28/2025 4:47:36 PM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5006 ppm	0.4747 ppm	0.4740 ppm	0.4766 ppm	0.4947 ppm	0.4984 ppm	0.4858 ppm
Concentration per Run	0.4969 ppm	0.4713 ppm	0.4728 ppm	0.4729 ppm	0.4948 ppm	0.4978 ppm	0.4851 ppm
Concentration per Run	0.4998 ppm	0.4760 ppm	0.4733 ppm	0.4753 ppm	0.4928 ppm	0.4979 ppm	0.4839 ppm
Concentration per Run	0.5051 ppm	0.4766 ppm	0.4760 ppm	0.4816 ppm	0.4966 ppm	0.4996 ppm	0.4886 ppm
Recovery Percentage	100.123 %	94.931 %	94.807 %	95.319 %	98.943 %	99.682 %	97.168 %
Concentration RSD	0.8 %	0.6 %	0.4 %	0.9 %	0.4 %	0.2 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5080 ppm	0.5079 ppm	0.5080 ppm	0.5142 ppm	0.4943 ppm	5.1863 ppm	0.5136 ppm
Concentration per Run	0.5052 ppm	0.5054 ppm	0.5026 ppm	0.5110 ppm	0.4977 ppm	5.1853 ppm	0.5192 ppm
Concentration per Run	0.5072 ppm	0.5069 ppm	0.5069 ppm	0.5125 ppm	0.4932 ppm	5.1717 ppm	0.5079 ppm
Concentration per Run	0.5116 ppm	0.5114 ppm	0.5145 ppm	0.5192 ppm	0.4919 ppm	5.2020 ppm	0.5138 ppm
Recovery Percentage	101.606 %	101.586 %	101.598 %	102.843 %	98.851 %	103.727 %	102.729 %
Concentration RSD	0.6 %	0.6 %	1.2 %	0.8 %	0.6 %	0.3 %	1.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5046 ppm	0.5008 ppm	0.4813 ppm	10.0789 ppm	0.5076 ppm	0.4931 ppm	0.5004 ppm
Concentration per Run	0.5068 ppm	0.5014 ppm	0.4791 ppm	10.1032 ppm	0.5061 ppm	0.4909 ppm	0.5030 ppm
Concentration per Run	0.5051 ppm	0.4996 ppm	0.4819 ppm	10.0423 ppm	0.5063 ppm	0.4953 ppm	0.4977 ppm
Concentration per Run	0.5019 ppm	0.5013 ppm	0.4828 ppm	10.0913 ppm	0.5105 ppm	0.4931 ppm	0.5005 ppm
Recovery Percentage	100.922 %	100.151 %	96.258 %	100.789 %	101.523 %	98.623 %	100.079 %
Concentration RSD	0.5 %	0.2 %	0.4 %	0.3 %	0.5 %	0.4 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4674 ppm	5.3105 ppm	0.4839 ppm	0.4881 ppm	0.4928 ppm	0.4864 ppm	0.5067 ppm
Concentration per Run	0.4699 ppm	5.2661 ppm	0.4809 ppm	0.4878 ppm	0.4926 ppm	0.4846 ppm	0.5030 ppm
Concentration per Run	0.4674 ppm	5.2980 ppm	0.4856 ppm	0.4863 ppm	0.4933 ppm	0.4866 ppm	0.5048 ppm
Concentration per Run	0.4649 ppm	5.3674 ppm	0.4852 ppm	0.4902 ppm	0.4925 ppm	0.4880 ppm	0.5123 ppm
Recovery Percentage	93.482 %	101.152 %	96.785 %	97.628 %	98.561 %	97.274 %	101.341 %
Concentration RSD	0.5 %	1.0 %	0.5 %	0.4 %	0.1 %	0.4 %	1.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4981 ppm	100.1104 %	97.7907 %	99.7292 %	98.3286 %	95.6387 %	98.6500 %
Concentration per Run	0.4951 ppm	100.5117 %	98.4154 %	99.7980 %	98.8665 %	96.2279 %	98.7410 %
Concentration per Run	0.4971 ppm	99.9202 %	97.3855 %	99.1613 %	97.7761 %	95.0858 %	98.2848 %
Concentration per Run	0.5020 ppm	99.8992 %	97.5712 %	100.2284 %	98.3430 %	95.6025 %	98.9241 %
Recovery Percentage	99.620 %						
Concentration RSD	0.7 %	0.3 %	0.6 %	0.5 %	0.6 %	0.6 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: CCB
Analysis started at: 11/28/2025 4:49:46 PM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	-0.0002 ppm	-0.0007 ppm	-0.0005 ppm	0.0002 ppm	0.0000 ppm	-0.0026 ppm
Concentration per Run	0.0006 ppm	0.0052 ppm	-0.0002 ppm	-0.0001 ppm	0.0002 ppm	0.0000 ppm	-0.0004 ppm
Concentration per Run	0.0002 ppm	-0.0002 ppm	-0.0007 ppm	0.0000 ppm	0.0001 ppm	0.0000 ppm	-0.0021 ppm
Concentration per Run	-0.0002 ppm	-0.0055 ppm	-0.0013 ppm	-0.0013 ppm	0.0001 ppm	0.0000 ppm	-0.0054 ppm
Recovery Percentage	3.058 %	-0.164 %	-14.912 %	-1.619 %	1.639 %	0.730 %	-2.626 %
Concentration RSD	167.7 %	3,265.8 %	73.6 %	140.6 %	33.9 %	77.7 %	97.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0001 ppm	-0.0001 ppm	-0.0003 ppm	0.0002 ppm	-0.0356 ppm	0.0010 ppm
Concentration per Run	-0.0001 ppm	-0.0001 ppm	-0.0001 ppm	-0.0002 ppm	0.0011 ppm	-0.0302 ppm	0.0013 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	-0.0001 ppm	-0.0004 ppm	-0.0008 ppm	-0.0499 ppm	-0.0002 ppm
Concentration per Run	0.0000 ppm	0.0003 ppm	0.0000 ppm	-0.0001 ppm	0.0003 ppm	-0.0268 ppm	0.0020 ppm
Recovery Percentage	-0.178 %	0.321 %	-0.918 %	-2.562 %	0.410 %	-1.426 %	20.628 %
Concentration RSD	622.0 %	314.5 %	93.1 %	57.4 %	468.7 %	34.9 %	106.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0019 ppm	0.0000 ppm	0.0001 ppm	0.0171 ppm	-0.0005 ppm	-0.0011 ppm	0.0038 ppm
Concentration per Run	-0.0005 ppm	0.0002 ppm	0.0005 ppm	0.0190 ppm	-0.0010 ppm	-0.0010 ppm	0.0057 ppm
Concentration per Run	-0.0038 ppm	-0.0001 ppm	0.0000 ppm	0.0129 ppm	0.0001 ppm	-0.0013 ppm	0.0056 ppm
Concentration per Run	-0.0015 ppm	-0.0001 ppm	-0.0003 ppm	0.0193 ppm	-0.0006 ppm	-0.0011 ppm	0.0000 ppm
Recovery Percentage	-1.931 %	-0.044 %	0.178 %	0.854 %	-1.987 %	-11.307 %	7.520 %
Concentration RSD	88.3 %	3,338.1 %	442.2 %	21.5 %	109.4 %	11.4 %	85.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0011 ppm	0.0071 ppm	0.0001 ppm	0.0001 ppm	-0.0003 ppm	0.0017 ppm	-0.0002 ppm
Concentration per Run	0.0030 ppm	0.0045 ppm	0.0012 ppm	0.0001 ppm	-0.0002 ppm	0.0005 ppm	-0.0003 ppm
Concentration per Run	0.0017 ppm	0.0065 ppm	-0.0007 ppm	0.0000 ppm	-0.0004 ppm	0.0028 ppm	0.0000 ppm
Concentration per Run	-0.0014 ppm	0.0102 ppm	-0.0002 ppm	0.0001 ppm	-0.0004 ppm	0.0018 ppm	-0.0001 ppm
Recovery Percentage	11.135 %	1.417 %	0.144 %	0.862 %	-3.235 %	8.493 %	-1.668 %
Concentration RSD	201.0 %	41.0 %	1,392.0 %	54.2 %	37.6 %	67.3 %	101.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	96.9023 %	95.0063 %	97.9501 %	97.1284 %	95.3038 %	97.8577 %
Concentration per Run	0.0002 ppm	96.8327 %	96.2334 %	97.7591 %	96.9497 %	96.0391 %	97.9052 %
Concentration per Run	0.0003 ppm	96.6026 %	94.6030 %	98.0485 %	96.9580 %	94.7153 %	97.8612 %
Concentration per Run	-0.0001 ppm	97.2717 %	94.1825 %	98.0426 %	97.4774 %	95.1571 %	97.8068 %
Recovery Percentage	3.399 %						
Concentration RSD	129.1 %	0.4 %	1.1 %	0.2 %	0.3 %	0.7 %	0.1 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: xWG2147184-1 WG2147184
Analysis started at: 11/28/2025 5:01:29 PM
Comment <Comment>
Rack Number 2
Vial Numbers 52

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0187 ppm	-0.0002 ppm	0.0003 ppm	0.0003 ppm	0.0000 ppm	0.0096 ppm
Concentration per Run	0.0000 ppm	0.0170 ppm	-0.0009 ppm	-0.0003 ppm	0.0002 ppm	0.0001 ppm	0.0097 ppm
Concentration per Run	0.0002 ppm	0.0234 ppm	-0.0003 ppm	0.0003 ppm	0.0005 ppm	0.0001 ppm	0.0084 ppm
Concentration per Run	-0.0001 ppm	0.0156 ppm	0.0005 ppm	0.0011 ppm	0.0003 ppm	0.0000 ppm	0.0107 ppm
Recovery Percentage	0.534 %	18.657 %	-4.651 %	1.161 %	3.142 %	0.996 %	9.603 %
Concentration RSD	305.1 %	22.5 %	305.6 %	191.5 %	51.9 %	53.8 %	11.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0002 ppm	0.0003 ppm	-0.0002 ppm	0.0328 ppm	-0.0359 ppm	0.0027 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	0.0003 ppm	-0.0003 ppm	0.0338 ppm	-0.0467 ppm	0.0013 ppm
Concentration per Run	0.0000 ppm	-0.0004 ppm	0.0002 ppm	0.0001 ppm	0.0315 ppm	-0.0203 ppm	0.0029 ppm
Concentration per Run	0.0001 ppm	-0.0002 ppm	0.0005 ppm	-0.0006 ppm	0.0330 ppm	-0.0407 ppm	0.0039 ppm
Recovery Percentage	1.665 %	-1.027 %	3.324 %	-2.494 %	65.521 %	-1.436 %	54.327 %
Concentration RSD	66.6 %	91.6 %	36.2 %	154.6 %	3.5 %	38.6 %	49.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0091 ppm	0.0152 ppm	-0.0003 ppm	0.0144 ppm	-0.0007 ppm	-0.0012 ppm	0.0009 ppm
Concentration per Run	0.0092 ppm	0.0154 ppm	-0.0003 ppm	0.0116 ppm	0.0000 ppm	-0.0009 ppm	0.0011 ppm
Concentration per Run	0.0075 ppm	0.0152 ppm	-0.0005 ppm	0.0144 ppm	-0.0012 ppm	-0.0001 ppm	0.0028 ppm
Concentration per Run	0.0107 ppm	0.0150 ppm	-0.0002 ppm	0.0173 ppm	-0.0010 ppm	-0.0025 ppm	-0.0011 ppm
Recovery Percentage	9.149 %	152.040 %	-0.649 %	0.722 %	-2.908 %	-11.544 %	1.875 %
Concentration RSD	17.1 %	1.1 %	47.1 %	20.0 %	83.8 %	109.4 %	206.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0027 ppm	0.0252 ppm	0.0085 ppm	0.0002 ppm	0.0011 ppm	0.0004 ppm	0.0000 ppm
Concentration per Run	0.0026 ppm	0.0221 ppm	0.0078 ppm	0.0001 ppm	0.0014 ppm	0.0012 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0270 ppm	0.0096 ppm	0.0002 ppm	0.0012 ppm	-0.0001 ppm	-0.0002 ppm
Concentration per Run	0.0057 ppm	0.0264 ppm	0.0080 ppm	0.0003 ppm	0.0007 ppm	-0.0001 ppm	0.0001 ppm
Recovery Percentage	27.486 %	5.035 %	16.909 %	1.622 %	10.757 %	1.816 %	-0.163 %
Concentration RSD	103.0 %	10.6 %	11.9 %	59.2 %	29.7 %	203.5 %	810.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0007 ppm	99.5122 %	96.9402 %	99.0587 %	99.5916 %	96.1821 %	99.2177 %
Concentration per Run	0.0008 ppm	99.3897 %	98.1429 %	98.8274 %	99.4827 %	96.9375 %	98.8980 %
Concentration per Run	0.0008 ppm	99.9135 %	96.4621 %	99.1207 %	100.1933 %	96.2651 %	99.2079 %
Concentration per Run	0.0007 ppm	99.2334 %	96.2157 %	99.2279 %	99.0988 %	95.3437 %	99.5472 %
Recovery Percentage	14.765 %						
Concentration RSD	4.5 %	0.4 %	1.1 %	0.2 %	0.6 %	0.8 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2575492-05d2 WG2147184
Analysis started at: 11/28/2025 5:03:51 PM
Comment <Comment>
Rack Number 3
Vial Numbers 2

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0019 ppm	125.8061 ppm	0.1287 ppm	0.0268 ppm	0.7692 ppm	0.0071 ppm	109.3380 ppm
Concentration per Run	0.0016 ppm	125.3884 ppm	0.1273 ppm	0.0271 ppm	0.7665 ppm	0.0071 ppm	109.0828 ppm
Concentration per Run	0.0028 ppm	125.8585 ppm	0.1295 ppm	0.0270 ppm	0.7699 ppm	0.0071 ppm	109.3357 ppm
Concentration per Run	0.0012 ppm	126.1714 ppm	0.1292 ppm	0.0262 ppm	0.7712 ppm	0.0070 ppm	109.5954 ppm
Concentration RSD	43.8 %	0.3 %	0.9 %	1.9 %	0.3 %	0.3 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0088 ppm	0.1247 ppm	0.1808 ppm	0.3651 ppm	260.8248 ppm	6.2576 ppm	0.3085 ppm
Concentration per Run	0.0087 ppm	0.1240 ppm	0.1803 ppm	0.3632 ppm	260.1068 ppm	6.2563 ppm	0.3090 ppm
Concentration per Run	0.0088 ppm	0.1246 ppm	0.1795 ppm	0.3630 ppm	260.7233 ppm	6.2436 ppm	0.3075 ppm
Concentration per Run	0.0089 ppm	0.1256 ppm	0.1828 ppm	0.3690 ppm	261.6442 ppm	6.2729 ppm	0.3089 ppm
Concentration RSD	0.8 %	0.7 %	1.0 %	0.9 %	0.3 %	0.2 %	0.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	133.2725 ppm	9.0777 ppm	0.0090 ppm	1.1312 ppm	0.2520 ppm	6.9017 ppm	0.0510 ppm
Concentration per Run	132.8213 ppm	9.0519 ppm	0.0091 ppm	1.1339 ppm	0.2513 ppm	6.9187 ppm	0.0472 ppm
Concentration per Run	133.2520 ppm	9.0838 ppm	0.0091 ppm	1.1279 ppm	0.2511 ppm	6.9289 ppm	0.0520 ppm
Concentration per Run	133.7441 ppm	9.0975 ppm	0.0088 ppm	1.1319 ppm	0.2536 ppm	6.8575 ppm	0.0537 ppm
Concentration RSD	0.3 %	0.3 %	1.7 %	0.3 %	0.6 %	0.6 %	6.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0039 ppm	6.3147 ppm	0.0313 ppm	0.5474 ppm	0.1787 ppm	0.0015 ppm	0.1803 ppm
Concentration per Run	0.0045 ppm	6.2855 ppm	0.0304 ppm	0.5454 ppm	0.1785 ppm	0.0010 ppm	0.1797 ppm
Concentration per Run	0.0035 ppm	6.2383 ppm	0.0320 ppm	0.5483 ppm	0.1767 ppm	0.0024 ppm	0.1785 ppm
Concentration per Run	0.0037 ppm	6.4202 ppm	0.0316 ppm	0.5484 ppm	0.1810 ppm	0.0011 ppm	0.1827 ppm
Concentration RSD	13.5 %	1.5 %	2.6 %	0.3 %	1.2 %	52.8 %	1.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0528 ppm	97.4131 %	98.8409 %	89.7566 %	111.4874 %	114.7100 %	111.9444 %
Concentration per Run	1.0461 ppm	98.2257 %	98.7156 %	89.3235 %	112.0855 %	114.3270 %	111.6137 %
Concentration per Run	1.0454 ppm	97.3559 %	99.5279 %	89.6772 %	111.4334 %	115.6519 %	112.0085 %
Concentration per Run	1.0668 ppm	96.6577 %	98.2792 %	90.2692 %	110.9432 %	114.1512 %	112.2112 %
Concentration RSD	1.2 %	0.8 %	0.6 %	0.5 %	0.5 %	0.7 %	0.3 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2575492-06d2 WG2147184
Analysis started at: 11/28/2025 5:06:01 PM
Comment <Comment>
Rack Number 3
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0021 ppm	111.7326 ppm	0.0979 ppm	0.0150 ppm	0.4194 ppm	0.0061 ppm	143.3567 ppm
Concentration per Run	0.0021 ppm	111.9244 ppm	0.1000 ppm	0.0145 ppm	0.4217 ppm	0.0062 ppm	143.8524 ppm
Concentration per Run	0.0018 ppm	111.5214 ppm	0.0982 ppm	0.0147 ppm	0.4161 ppm	0.0061 ppm	143.3224 ppm
Concentration per Run	0.0024 ppm	111.7520 ppm	0.0956 ppm	0.0158 ppm	0.4205 ppm	0.0060 ppm	142.8954 ppm
Concentration RSD	14.4 %	0.2 %	2.3 %	4.6 %	0.7 %	1.2 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0038 ppm	0.1658 ppm	0.1659 ppm	0.3901 ppm	281.4463 ppm	6.0442 ppm	0.3161 ppm
Concentration per Run	0.0038 ppm	0.1649 ppm	0.1647 ppm	0.3891 ppm	282.7371 ppm	6.0833 ppm	0.3192 ppm
Concentration per Run	0.0037 ppm	0.1665 ppm	0.1674 ppm	0.3917 ppm	281.1350 ppm	6.0667 ppm	0.3116 ppm
Concentration per Run	0.0039 ppm	0.1658 ppm	0.1655 ppm	0.3896 ppm	280.4669 ppm	5.9828 ppm	0.3174 ppm
Concentration RSD	3.1 %	0.5 %	0.8 %	0.4 %	0.4 %	0.9 %	1.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	79.8994 ppm	6.6049 ppm	0.0175 ppm	0.6017 ppm	0.3051 ppm	1.4544 ppm	0.0108 ppm
Concentration per Run	79.9231 ppm	6.6154 ppm	0.0175 ppm	0.6024 ppm	0.3036 ppm	1.4579 ppm	0.0116 ppm
Concentration per Run	79.7910 ppm	6.6002 ppm	0.0177 ppm	0.6022 ppm	0.3056 ppm	1.4580 ppm	0.0076 ppm
Concentration per Run	79.9840 ppm	6.5990 ppm	0.0173 ppm	0.6005 ppm	0.3060 ppm	1.4472 ppm	0.0133 ppm
Concentration RSD	0.1 %	0.1 %	1.1 %	0.2 %	0.4 %	0.4 %	26.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0054 ppm	4.0857 ppm	0.0113 ppm	0.6288 ppm	0.1897 ppm	0.0000 ppm	0.1373 ppm
Concentration per Run	0.0030 ppm	4.0866 ppm	0.0118 ppm	0.6304 ppm	0.1899 ppm	0.0006 ppm	0.1367 ppm
Concentration per Run	0.0064 ppm	4.0832 ppm	0.0121 ppm	0.6252 ppm	0.1859 ppm	-0.0004 ppm	0.1378 ppm
Concentration per Run	0.0068 ppm	4.0873 ppm	0.0100 ppm	0.6308 ppm	0.1933 ppm	-0.0003 ppm	0.1373 ppm
Concentration RSD	38.2 %	0.1 %	9.9 %	0.5 %	2.0 %	2,658.4 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.7596 ppm	96.6370 %	99.3954 %	89.9977 %	106.6407 %	109.4221 %	107.6372 %
Concentration per Run	0.7589 ppm	96.2590 %	98.7222 %	89.5835 %	105.9371 %	109.0193 %	107.1588 %
Concentration per Run	0.7597 ppm	96.7422 %	99.7194 %	90.0043 %	107.0421 %	109.8313 %	107.8291 %
Concentration per Run	0.7603 ppm	96.9099 %	99.7447 %	90.4052 %	106.9430 %	109.4158 %	107.9237 %
Concentration RSD	0.1 %	0.3 %	0.6 %	0.5 %	0.6 %	0.4 %	0.4 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2575492-07d2 WG2147184
Analysis started at: 11/28/2025 5:08:11 PM
Comment <Comment>
Rack Number 3
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0017 ppm	111.0860 ppm	0.1427 ppm	0.0139 ppm	0.6805 ppm	0.0061 ppm	97.2146 ppm
Concentration per Run	0.0014 ppm	110.2324 ppm	0.1423 ppm	0.0142 ppm	0.6758 ppm	0.0061 ppm	96.4881 ppm
Concentration per Run	0.0019 ppm	111.2244 ppm	0.1407 ppm	0.0158 ppm	0.6810 ppm	0.0061 ppm	97.2742 ppm
Concentration per Run	0.0016 ppm	111.8012 ppm	0.1451 ppm	0.0119 ppm	0.6848 ppm	0.0061 ppm	97.8814 ppm
Concentration RSD	12.8 %	0.7 %	1.6 %	14.0 %	0.7 %	0.4 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0107 ppm	0.1250 ppm	0.1709 ppm	0.3527 ppm	238.2414 ppm	6.1911 ppm	0.2647 ppm
Concentration per Run	0.0108 ppm	0.1239 ppm	0.1709 ppm	0.3519 ppm	236.8535 ppm	6.1791 ppm	0.2689 ppm
Concentration per Run	0.0108 ppm	0.1266 ppm	0.1728 ppm	0.3544 ppm	237.9422 ppm	6.1793 ppm	0.2620 ppm
Concentration per Run	0.0106 ppm	0.1246 ppm	0.1689 ppm	0.3518 ppm	239.9285 ppm	6.2148 ppm	0.2632 ppm
Concentration RSD	0.9 %	1.1 %	1.1 %	0.4 %	0.7 %	0.3 %	1.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	55.1761 ppm	9.2058 ppm	0.0051 ppm	1.1820 ppm	0.2592 ppm	5.9858 ppm	0.0466 ppm
Concentration per Run	54.9924 ppm	9.1385 ppm	0.0054 ppm	1.1725 ppm	0.2601 ppm	5.9765 ppm	0.0411 ppm
Concentration per Run	55.2995 ppm	9.2112 ppm	0.0045 ppm	1.1805 ppm	0.2608 ppm	5.9767 ppm	0.0488 ppm
Concentration per Run	55.2366 ppm	9.2678 ppm	0.0053 ppm	1.1929 ppm	0.2566 ppm	6.0041 ppm	0.0500 ppm
Concentration RSD	0.3 %	0.7 %	9.9 %	0.9 %	0.9 %	0.3 %	10.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0041 ppm	4.5464 ppm	0.0321 ppm	0.3009 ppm	0.2319 ppm	-0.0004 ppm	0.1712 ppm
Concentration per Run	0.0045 ppm	4.5304 ppm	0.0327 ppm	0.2981 ppm	0.2313 ppm	0.0004 ppm	0.1705 ppm
Concentration per Run	0.0042 ppm	4.5802 ppm	0.0330 ppm	0.3015 ppm	0.2312 ppm	-0.0011 ppm	0.1727 ppm
Concentration per Run	0.0036 ppm	4.5286 ppm	0.0305 ppm	0.3030 ppm	0.2333 ppm	-0.0007 ppm	0.1702 ppm
Concentration RSD	10.8 %	0.6 %	4.3 %	0.8 %	0.5 %	175.4 %	0.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0119 ppm	98.0217 %	101.5392 %	91.4910 %	113.1010 %	117.2290 %	114.1010 %
Concentration per Run	1.0111 ppm	97.7686 %	102.4192 %	91.7581 %	113.0664 %	118.1556 %	114.4480 %
Concentration per Run	1.0194 ppm	97.2295 %	101.2903 %	91.3110 %	112.5011 %	116.6036 %	113.4802 %
Concentration per Run	1.0053 ppm	99.0671 %	100.9082 %	91.4038 %	113.7355 %	116.9278 %	114.3748 %
Concentration RSD	0.7 %	1.0 %	0.8 %	0.3 %	0.5 %	0.7 %	0.5 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2575492-08d2 WG2147184
Analysis started at: 11/28/2025 5:10:22 PM
Comment <Comment>
Rack Number 3
Vial Numbers 5

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0018 ppm	109.3869 ppm	0.1044 ppm	0.0136 ppm	0.8900 ppm	0.0066 ppm	89.2101 ppm
Concentration per Run	0.0014 ppm	109.1670 ppm	0.1027 ppm	0.0134 ppm	0.8895 ppm	0.0066 ppm	89.0153 ppm
Concentration per Run	0.0027 ppm	109.8462 ppm	0.1050 ppm	0.0145 ppm	0.8971 ppm	0.0067 ppm	89.7385 ppm
Concentration per Run	0.0013 ppm	109.1473 ppm	0.1053 ppm	0.0130 ppm	0.8835 ppm	0.0065 ppm	88.8764 ppm
Concentration RSD	43.7 %	0.4 %	1.4 %	5.8 %	0.8 %	1.4 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0104 ppm	0.1151 ppm	0.1665 ppm	0.3453 ppm	218.2923 ppm	6.7275 ppm	0.2426 ppm
Concentration per Run	0.0103 ppm	0.1152 ppm	0.1665 ppm	0.3444 ppm	217.3170 ppm	6.7070 ppm	0.2472 ppm
Concentration per Run	0.0103 ppm	0.1143 ppm	0.1652 ppm	0.3433 ppm	220.1773 ppm	6.7998 ppm	0.2473 ppm
Concentration per Run	0.0105 ppm	0.1157 ppm	0.1679 ppm	0.3481 ppm	217.3826 ppm	6.6755 ppm	0.2332 ppm
Concentration RSD	1.4 %	0.6 %	0.8 %	0.7 %	0.7 %	1.0 %	3.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	51.4717 ppm	11.7159 ppm	0.0063 ppm	1.4307 ppm	0.2430 ppm	4.3002 ppm	0.0323 ppm
Concentration per Run	51.3549 ppm	11.6861 ppm	0.0062 ppm	1.4381 ppm	0.2418 ppm	4.3072 ppm	0.0315 ppm
Concentration per Run	51.5038 ppm	11.8027 ppm	0.0064 ppm	1.4373 ppm	0.2414 ppm	4.2894 ppm	0.0357 ppm
Concentration per Run	51.5563 ppm	11.6588 ppm	0.0063 ppm	1.4167 ppm	0.2459 ppm	4.3041 ppm	0.0296 ppm
Concentration RSD	0.2 %	0.7 %	1.2 %	0.8 %	1.0 %	0.2 %	9.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0059 ppm	4.5641 ppm	0.0272 ppm	0.3606 ppm	0.1692 ppm	-0.0001 ppm	0.1681 ppm
Concentration per Run	0.0046 ppm	4.5575 ppm	0.0271 ppm	0.3618 ppm	0.1657 ppm	0.0014 ppm	0.1680 ppm
Concentration per Run	0.0078 ppm	4.5807 ppm	0.0272 ppm	0.3605 ppm	0.1759 ppm	-0.0015 ppm	0.1668 ppm
Concentration per Run	0.0052 ppm	4.5540 ppm	0.0272 ppm	0.3595 ppm	0.1661 ppm	-0.0002 ppm	0.1696 ppm
Concentration RSD	28.8 %	0.3 %	0.4 %	0.3 %	3.4 %	1,275.7 %	0.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.1947 ppm	98.9176 %	101.2158 %	92.4327 %	115.2795 %	118.0034 %	116.1867 %
Concentration per Run	1.1890 ppm	98.7775 %	101.8618 %	92.6574 %	115.2234 %	118.5165 %	116.5127 %
Concentration per Run	1.1911 ppm	99.8667 %	100.4947 %	92.5931 %	115.9918 %	117.8338 %	116.0278 %
Concentration per Run	1.2041 ppm	98.1087 %	101.2908 %	92.0477 %	114.6232 %	117.6599 %	116.0197 %
Concentration RSD	0.7 %	0.9 %	0.7 %	0.4 %	0.6 %	0.4 %	0.2 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: CCV
Analysis started at: 11/28/2025 5:12:33 PM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5010 ppm	0.4778 ppm	0.4744 ppm	0.4757 ppm	0.4974 ppm	0.5020 ppm	0.4871 ppm
Concentration per Run	0.5020 ppm	0.4815 ppm	0.4782 ppm	0.4740 ppm	0.4972 ppm	0.5029 ppm	0.4845 ppm
Concentration per Run	0.5037 ppm	0.4811 ppm	0.4722 ppm	0.4817 ppm	0.5003 ppm	0.5038 ppm	0.4896 ppm
Concentration per Run	0.4972 ppm	0.4707 ppm	0.4727 ppm	0.4713 ppm	0.4947 ppm	0.4994 ppm	0.4871 ppm
Recovery Percentage	100.201 %	95.556 %	94.874 %	95.134 %	99.484 %	100.402 %	97.413 %
Concentration RSD	0.7 %	1.3 %	0.7 %	1.1 %	0.6 %	0.5 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5073 ppm	0.5070 ppm	0.5092 ppm	0.5166 ppm	0.4982 ppm	5.1947 ppm	0.5273 ppm
Concentration per Run	0.5079 ppm	0.5060 ppm	0.5100 ppm	0.5168 ppm	0.5031 ppm	5.1847 ppm	0.5286 ppm
Concentration per Run	0.5114 ppm	0.5098 ppm	0.5146 ppm	0.5192 ppm	0.4965 ppm	5.2130 ppm	0.5326 ppm
Concentration per Run	0.5027 ppm	0.5054 ppm	0.5031 ppm	0.5139 ppm	0.4950 ppm	5.1864 ppm	0.5207 ppm
Recovery Percentage	101.467 %	101.408 %	101.850 %	103.328 %	99.635 %	103.894 %	105.461 %
Concentration RSD	0.9 %	0.5 %	1.1 %	0.5 %	0.9 %	0.3 %	1.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5070 ppm	0.5029 ppm	0.4818 ppm	10.2197 ppm	0.5087 ppm	0.4920 ppm	0.5003 ppm
Concentration per Run	0.5068 ppm	0.5032 ppm	0.4819 ppm	10.2532 ppm	0.5101 ppm	0.4930 ppm	0.4999 ppm
Concentration per Run	0.5100 ppm	0.5037 ppm	0.4839 ppm	10.2710 ppm	0.5099 ppm	0.4922 ppm	0.5015 ppm
Concentration per Run	0.5043 ppm	0.5019 ppm	0.4796 ppm	10.1347 ppm	0.5062 ppm	0.4909 ppm	0.4996 ppm
Recovery Percentage	101.402 %	100.590 %	96.360 %	102.197 %	101.748 %	98.404 %	100.062 %
Concentration RSD	0.6 %	0.2 %	0.5 %	0.7 %	0.4 %	0.2 %	0.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4656 ppm	5.3155 ppm	0.4840 ppm	0.4922 ppm	0.4936 ppm	0.4852 ppm	0.5085 ppm
Concentration per Run	0.4699 ppm	5.3011 ppm	0.4812 ppm	0.4928 ppm	0.4929 ppm	0.4861 ppm	0.5083 ppm
Concentration per Run	0.4623 ppm	5.3464 ppm	0.4863 ppm	0.4954 ppm	0.4952 ppm	0.4844 ppm	0.5116 ppm
Concentration per Run	0.4646 ppm	5.2989 ppm	0.4846 ppm	0.4883 ppm	0.4928 ppm	0.4851 ppm	0.5056 ppm
Recovery Percentage	93.124 %	101.247 %	96.807 %	98.433 %	98.726 %	97.038 %	101.692 %
Concentration RSD	0.8 %	0.5 %	0.5 %	0.7 %	0.3 %	0.2 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4962 ppm	100.0020 %	97.6698 %	99.1204 %	98.4804 %	95.7637 %	97.7730 %
Concentration per Run	0.4969 ppm	100.6207 %	98.1328 %	98.5179 %	98.9475 %	96.4305 %	97.2967 %
Concentration per Run	0.5004 ppm	99.1991 %	96.9480 %	99.1972 %	98.0014 %	95.3145 %	97.6987 %
Concentration per Run	0.4913 ppm	100.1860 %	97.9285 %	99.6460 %	98.4923 %	95.5462 %	98.3235 %
Recovery Percentage	99.237 %						
Concentration RSD	0.9 %	0.7 %	0.6 %	0.6 %	0.5 %	0.6 %	0.5 %

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LabBook: WG2147204_11282025T11.imexp

Sample: CCB
Analysis started at: 11/28/2025 5:14:43 PM
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Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	0.0028 ppm	-0.0006 ppm	0.0002 ppm	0.0003 ppm	0.0000 ppm	-0.0027 ppm
Concentration per Run	0.0008 ppm	0.0097 ppm	-0.0006 ppm	0.0000 ppm	0.0003 ppm	0.0000 ppm	-0.0050 ppm
Concentration per Run	0.0003 ppm	0.0017 ppm	-0.0010 ppm	0.0004 ppm	0.0004 ppm	0.0000 ppm	-0.0049 ppm
Concentration per Run	-0.0003 ppm	-0.0029 ppm	-0.0002 ppm	0.0001 ppm	0.0002 ppm	0.0000 ppm	0.0019 ppm
Recovery Percentage	3.356 %	2.812 %	-11.899 %	0.510 %	3.024 %	0.894 %	-2.686 %
Concentration RSD	231.4 %	226.9 %	67.6 %	148.6 %	23.8 %	42.3 %	147.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0001 ppm	-0.0005 ppm	-0.0005 ppm	0.0020 ppm	-0.0283 ppm	0.0012 ppm
Concentration per Run	0.0000 ppm	0.0003 ppm	-0.0004 ppm	-0.0007 ppm	0.0032 ppm	-0.0359 ppm	0.0029 ppm
Concentration per Run	-0.0001 ppm	0.0001 ppm	-0.0008 ppm	-0.0006 ppm	0.0026 ppm	-0.0052 ppm	0.0000 ppm
Concentration per Run	-0.0001 ppm	-0.0002 ppm	-0.0003 ppm	-0.0001 ppm	0.0003 ppm	-0.0436 ppm	0.0008 ppm
Recovery Percentage	-0.714 %	0.411 %	-4.953 %	-4.537 %	4.096 %	-1.130 %	24.478 %
Concentration RSD	140.2 %	291.7 %	47.9 %	75.5 %	73.7 %	71.9 %	121.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0005 ppm	0.0000 ppm	0.0002 ppm	0.0085 ppm	-0.0007 ppm	-0.0014 ppm	0.0007 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	-0.0003 ppm	0.0106 ppm	-0.0006 ppm	-0.0016 ppm	0.0020 ppm
Concentration per Run	0.0009 ppm	0.0001 ppm	0.0006 ppm	0.0053 ppm	-0.0004 ppm	-0.0019 ppm	-0.0021 ppm
Concentration per Run	0.0005 ppm	0.0000 ppm	0.0002 ppm	0.0094 ppm	-0.0011 ppm	-0.0006 ppm	0.0023 ppm
Recovery Percentage	0.501 %	0.454 %	0.321 %	0.423 %	-2.674 %	-13.777 %	1.465 %
Concentration RSD	79.1 %	202.1 %	280.0 %	33.1 %	54.3 %	50.8 %	339.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0027 ppm	0.0044 ppm	0.0006 ppm	0.0001 ppm	-0.0005 ppm	0.0012 ppm	0.0001 ppm
Concentration per Run	0.0008 ppm	0.0042 ppm	0.0014 ppm	0.0000 ppm	-0.0004 ppm	0.0020 ppm	0.0002 ppm
Concentration per Run	0.0054 ppm	0.0034 ppm	0.0011 ppm	0.0002 ppm	-0.0007 ppm	0.0017 ppm	-0.0003 ppm
Concentration per Run	0.0020 ppm	0.0055 ppm	-0.0007 ppm	0.0000 ppm	-0.0003 ppm	0.0000 ppm	0.0003 ppm
Recovery Percentage	27.438 %	0.879 %	1.199 %	0.850 %	-4.680 %	6.218 %	0.812 %
Concentration RSD	85.3 %	24.2 %	192.2 %	124.8 %	38.6 %	87.4 %	396.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0002 ppm	97.9940 %	95.1015 %	97.5890 %	98.5768 %	95.3015 %	97.3477 %
Concentration per Run	-0.0001 ppm	98.1413 %	94.1746 %	97.5658 %	98.7150 %	94.5407 %	97.2889 %
Concentration per Run	-0.0001 ppm	97.5446 %	94.6771 %	97.4475 %	98.4223 %	95.1415 %	97.5477 %
Concentration per Run	-0.0003 ppm	98.2961 %	96.4528 %	97.7539 %	98.5930 %	96.2222 %	97.2065 %
Recovery Percentage	-3.622 %						
Concentration RSD	81.2 %	0.4 %	1.3 %	0.2 %	0.1 %	0.9 %	0.2 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: WG2145172-1 WG2145172
Analysis started at: 11/28/2025 5:18:42 PM
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Rack Number 3
Vial Numbers 6

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0072 ppm	0.0002 ppm	0.0011 ppm	0.0003 ppm	0.0000 ppm	0.0460 ppm
Concentration per Run	-0.0001 ppm	0.0133 ppm	-0.0013 ppm	0.0012 ppm	0.0003 ppm	0.0000 ppm	0.0462 ppm
Concentration per Run	0.0004 ppm	0.0053 ppm	0.0009 ppm	0.0018 ppm	0.0004 ppm	0.0000 ppm	0.0501 ppm
Concentration per Run	-0.0003 ppm	0.0029 ppm	0.0009 ppm	0.0004 ppm	0.0004 ppm	0.0000 ppm	0.0416 ppm
Recovery Percentage	0.148 %	7.153 %	3.944 %	3.799 %	3.467 %	-0.183 %	45.955 %
Concentration RSD	3,424.2 %	76.5 %	650.0 %	58.9 %	13.9 %	193.5 %	9.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0003 ppm	0.0012 ppm	0.0006 ppm	**0.0604 ppm**	-0.0106 ppm	0.0012 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	0.0007 ppm	0.0010 ppm	0.0603 ppm	-0.0004 ppm	0.0024 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	0.0012 ppm	0.0003 ppm	0.0599 ppm	-0.0174 ppm	0.0002 ppm
Concentration per Run	0.0001 ppm	0.0005 ppm	0.0017 ppm	0.0006 ppm	0.0610 ppm	-0.0141 ppm	0.0009 ppm
Recovery Percentage	1.102 %	1.538 %	12.396 %	6.152 %	120.806 %	-0.424 %	23.700 %
Concentration RSD	125.4 %	61.0 %	40.5 %	51.6 %	**1.0 %**	84.8 %	95.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0057 ppm	0.0018 ppm	-0.0001 ppm	0.0147 ppm	-0.0013 ppm	-0.0013 ppm	0.0034 ppm
Concentration per Run	0.0062 ppm	0.0016 ppm	0.0005 ppm	0.0138 ppm	-0.0009 ppm	-0.0021 ppm	0.0061 ppm
Concentration per Run	0.0051 ppm	0.0018 ppm	-0.0003 ppm	0.0162 ppm	-0.0013 ppm	-0.0007 ppm	0.0052 ppm
Concentration per Run	0.0059 ppm	0.0019 ppm	-0.0003 ppm	0.0141 ppm	-0.0017 ppm	-0.0013 ppm	-0.0011 ppm
Recovery Percentage	5.722 %	17.610 %	-0.118 %	0.735 %	-5.233 %	-13.489 %	6.777 %
Concentration RSD	10.5 %	6.5 %	751.8 %	8.6 %	28.6 %	51.5 %	116.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0023 ppm	0.0224 ppm	0.0093 ppm	0.0002 ppm	-0.0001 ppm	-0.0009 ppm	-0.0002 ppm
Concentration per Run	0.0044 ppm	0.0232 ppm	0.0088 ppm	0.0002 ppm	0.0001 ppm	-0.0012 ppm	-0.0003 ppm
Concentration per Run	0.0017 ppm	0.0203 ppm	0.0095 ppm	0.0001 ppm	0.0000 ppm	0.0016 ppm	-0.0003 ppm
Concentration per Run	0.0009 ppm	0.0235 ppm	0.0094 ppm	0.0002 ppm	-0.0003 ppm	-0.0029 ppm	-0.0001 ppm
Recovery Percentage	23.443 %	4.471 %	18.524 %	1.618 %	-0.532 %	-4.332 %	-2.160 %
Concentration RSD	78.4 %	8.1 %	4.2 %	19.7 %	395.0 %	261.9 %	48.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	**0.0148 ppm**	98.4793 %	96.5922 %	98.1367 %	98.9023 %	96.0970 %	98.7022 %
Concentration per Run	0.0148 ppm	98.6150 %	96.4475 %	97.6749 %	98.4722 %	96.3344 %	98.0441 %
Concentration per Run	0.0149 ppm	98.5483 %	96.6583 %	98.2986 %	99.2249 %	95.5112 %	99.3694 %
Concentration per Run	0.0148 ppm	98.2746 %	96.6707 %	98.4365 %	99.0099 %	96.4453 %	98.6931 %
Recovery Percentage	296.473 %						
Concentration RSD	**0.3 %**	0.2 %	0.1 %	0.4 %	0.4 %	0.5 %	0.7 %

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LabBook: WG2147204_11282025T11.imexp

Sample: WG2145172-2d2 WG2145172
Analysis started at: 11/28/2025 5:20:57 PM
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Rack Number 3
Vial Numbers 7

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0507 ppm	2.0795 ppm	0.1251 ppm	1.0520 ppm	2.0809 ppm	0.0523 ppm	11.2781 ppm
Concentration per Run	0.0511 ppm	2.0771 ppm	0.1204 ppm	1.0562 ppm	2.0762 ppm	0.0522 ppm	11.2211 ppm
Concentration per Run	0.0503 ppm	2.0873 ppm	0.1250 ppm	1.0432 ppm	2.0873 ppm	0.0523 ppm	11.3163 ppm
Concentration per Run	0.0508 ppm	2.0742 ppm	0.1299 ppm	1.0568 ppm	2.0792 ppm	0.0524 ppm	11.2968 ppm
Concentration RSD	0.8 %	0.3 %	3.8 %	0.7 %	0.3 %	0.2 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0571 ppm	0.5003 ppm	0.2049 ppm	0.2589 ppm	1.0549 ppm	11.5175 ppm	0.0015 ppm
Concentration per Run	0.0573 ppm	0.5028 ppm	0.2056 ppm	0.2595 ppm	1.0504 ppm	11.4963 ppm	0.0021 ppm
Concentration per Run	0.0564 ppm	0.4955 ppm	0.2022 ppm	0.2567 ppm	1.0565 ppm	11.5029 ppm	0.0022 ppm
Concentration per Run	0.0576 ppm	0.5026 ppm	0.2070 ppm	0.2603 ppm	1.0577 ppm	11.5532 ppm	0.0002 ppm
Concentration RSD	1.0 %	0.8 %	1.2 %	0.7 %	0.4 %	0.3 %	76.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	10.9031 ppm	0.5159 ppm	1.0769 ppm	11.5561 ppm	0.5056 ppm	0.5623 ppm	0.5384 ppm
Concentration per Run	10.9439 ppm	0.5130 ppm	1.0798 ppm	11.4965 ppm	0.5066 ppm	0.5614 ppm	0.5398 ppm
Concentration per Run	10.7853 ppm	0.5169 ppm	1.0695 ppm	11.6058 ppm	0.5020 ppm	0.5615 ppm	0.5327 ppm
Concentration per Run	10.9801 ppm	0.5179 ppm	1.0814 ppm	11.5661 ppm	0.5081 ppm	0.5640 ppm	0.5426 ppm
Concentration RSD	0.9 %	0.5 %	0.6 %	0.5 %	0.6 %	0.3 %	0.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1247 ppm	1.2012 ppm	1.0655 [SIC 50]	1.0772 ppm	1.0797 ppm	0.1256 ppm	0.5240 ppm
Concentration per Run	0.1210 ppm	1.2012 ppm	1.0695 ppm	1.0740 ppm	1.0817 ppm	0.1263 ppm	0.5262 ppm
Concentration per Run	0.1229 ppm	1.1891 ppm	1.0552 ppm	1.0810 ppm	1.0731 ppm	0.1252 ppm	0.5183 ppm
Concentration per Run	0.1301 ppm	1.2132 ppm	1.0717 ppm	1.0765 ppm	1.0844 ppm	0.1253 ppm	0.5275 ppm
Concentration RSD	3.8 %	1.0 %	0.8 %	0.3 %	0.5 %	0.5 %	0.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5050 ppm	97.5999 %	96.6145 %	96.2626 %	96.2983 %	94.9487 %	96.3537 %
Concentration per Run	0.5086 ppm	96.8171 %	97.0169 %	96.8275 %	95.4859 %	95.1543 %	96.9154 %
Concentration per Run	0.4996 ppm	98.1695 %	96.2132 %	96.3418 %	96.7726 %	94.8490 %	96.2796 %
Concentration per Run	0.5069 ppm	97.8132 %	96.6136 %	95.6187 %	96.6366 %	94.8430 %	95.8660 %
Concentration RSD	0.9 %	0.7 %	0.4 %	0.6 %	0.7 %	0.2 %	0.5 %

ICP DataTrace 11

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Sample: L2573952-15d2 WG2145172
Analysis started at: 11/28/2025 5:23:08 PM
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Rack Number 3
Vial Numbers 8

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0006 ppm	77.1683 ppm	0.2453 ppm	0.1280 ppm	0.1983 ppm	0.0061 ppm	7.0496 ppm
Concentration per Run	-0.0001 ppm	76.7700 ppm	0.2430 ppm	0.1286 ppm	0.1966 ppm	0.0060 ppm	7.0088 ppm
Concentration per Run	-0.0005 ppm	77.6385 ppm	0.2456 ppm	0.1289 ppm	0.2002 ppm	0.0061 ppm	7.1012 ppm
Concentration per Run	-0.0012 ppm	77.0964 ppm	0.2474 ppm	0.1265 ppm	0.1981 ppm	0.0061 ppm	7.0387 ppm
Concentration RSD	95.2 %	0.6 %	0.9 %	1.0 %	0.9 %	0.7 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0009 ppm	0.0148 ppm	0.3237 ppm	0.0764 ppm	245.9066 ppm	29.4018 ppm	0.0637 ppm
Concentration per Run	0.0009 ppm	0.0149 ppm	0.3225 ppm	0.0765 ppm	244.0616 ppm	29.2155 ppm	0.0642 ppm
Concentration per Run	0.0010 ppm	0.0146 ppm	0.3238 ppm	0.0762 ppm	247.7081 ppm	29.6470 ppm	0.0632 ppm
Concentration per Run	0.0009 ppm	0.0148 ppm	0.3249 ppm	0.0764 ppm	245.9502 ppm	29.3429 ppm	0.0636 ppm
Concentration RSD	6.4 %	1.0 %	0.4 %	0.2 %	0.7 %	0.8 %	0.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	12.9323 ppm	0.5817 ppm	0.0017 ppm	0.5376 ppm	0.0336 ppm	0.1619 ppm	0.0001 ppm
Concentration per Run	13.0023 ppm	0.5771 ppm	0.0013 ppm	0.5348 ppm	0.0334 ppm	0.1625 ppm	-0.0007 ppm
Concentration per Run	12.8700 ppm	0.5867 ppm	0.0024 ppm	0.5401 ppm	0.0339 ppm	0.1606 ppm	0.0023 ppm
Concentration per Run	12.9246 ppm	0.5812 ppm	0.0014 ppm	0.5380 ppm	0.0334 ppm	0.1627 ppm	-0.0011 ppm
Concentration RSD	0.5 %	0.8 %	37.1 %	0.5 %	0.9 %	0.7 %	1,392.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0042 ppm	11.5162 ppm	0.0087 ppm	0.0622 ppm	0.8758 ppm	-0.0039 ppm	0.7663 ppm
Concentration per Run	0.0040 ppm	11.4848 ppm	0.0085 ppm	0.0618 ppm	0.8842 ppm	-0.0055 ppm	0.7653 ppm
Concentration per Run	0.0034 ppm	11.5072 ppm	0.0079 ppm	0.0627 ppm	0.8701 ppm	-0.0026 ppm	0.7649 ppm
Concentration per Run	0.0052 ppm	11.5567 ppm	0.0099 ppm	0.0621 ppm	0.8729 ppm	-0.0036 ppm	0.7689 ppm
Concentration RSD	22.1 %	0.3 %	11.8 %	0.7 %	0.9 %	37.1 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1812 ppm	103.2892 %	103.3054 %	97.2161 %	110.0218 %	110.3766 %	110.5396 %
Concentration per Run	0.1813 ppm	102.9497 %	104.5291 %	97.4072 %	109.2163 %	111.0502 %	110.9557 %
Concentration per Run	0.1798 ppm	103.7584 %	102.0151 %	96.7475 %	110.7787 %	109.7480 %	109.9922 %
Concentration per Run	0.1826 ppm	103.1596 %	103.3722 %	97.4937 %	110.0705 %	110.3315 %	110.6709 %
Concentration RSD	0.8 %	0.4 %	1.2 %	0.4 %	0.7 %	0.6 %	0.4 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2145172-3d2 WG2145172
Analysis started at: 11/28/2025 5:25:18 PM
Comment <Comment>
Rack Number 3
Vial Numbers 9

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0502 ppm	82.0350 ppm	0.2565 ppm	1.0421 ppm	2.4480 ppm	0.0578 ppm	20.6052 ppm
Concentration per Run	0.0499 ppm	82.0974 ppm	0.2556 ppm	1.0409 ppm	2.4516 ppm	0.0580 ppm	20.6796 ppm
Concentration per Run	0.0504 ppm	82.0860 ppm	0.2540 ppm	1.0419 ppm	2.4523 ppm	0.0577 ppm	20.6329 ppm
Concentration per Run	0.0503 ppm	81.9217 ppm	0.2598 ppm	1.0436 ppm	2.4401 ppm	0.0577 ppm	20.5029 ppm
Concentration RSD	0.5 %	0.1 %	1.2 %	0.1 %	0.3 %	0.3 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0571 ppm	0.5250 ppm	0.4869 ppm	0.3410 ppm	201.6419 ppm	30.8234 ppm	0.0990 ppm
Concentration per Run	0.0569 ppm	0.5237 ppm	0.4859 ppm	0.3408 ppm	202.3001 ppm	30.8185 ppm	0.1006 ppm
Concentration per Run	0.0571 ppm	0.5233 ppm	0.4844 ppm	0.3395 ppm	201.8766 ppm	30.9081 ppm	0.0984 ppm
Concentration per Run	0.0572 ppm	0.5280 ppm	0.4904 ppm	0.3429 ppm	200.7490 ppm	30.7437 ppm	0.0979 ppm
Concentration RSD	0.3 %	0.5 %	0.6 %	0.5 %	0.4 %	0.3 %	1.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	30.2061 ppm	1.5821 ppm	0.9218 ppm	12.1279 ppm	0.5691 ppm	2.5264 ppm	0.1903 ppm
Concentration per Run	30.1707 ppm	1.5857 ppm	0.9192 ppm	12.1458 ppm	0.5691 ppm	2.5051 ppm	0.1931 ppm
Concentration per Run	30.1391 ppm	1.5801 ppm	0.9208 ppm	12.1527 ppm	0.5683 ppm	2.5307 ppm	0.1874 ppm
Concentration per Run	30.3083 ppm	1.5805 ppm	0.9253 ppm	12.0851 ppm	0.5699 ppm	2.5435 ppm	0.1905 ppm
Concentration RSD	0.3 %	0.2 %	0.3 %	0.3 %	0.1 %	0.8 %	1.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1132 ppm	16.2549 ppm	0.9838 ppm	1.1423 ppm	2.6983 ppm	0.1165 ppm	1.1436 ppm
Concentration per Run	0.1127 ppm	16.2632 ppm	0.9802 ppm	1.1447 ppm	2.6848 ppm	0.1168 ppm	1.1421 ppm
Concentration per Run	0.1173 ppm	16.2281 ppm	0.9812 ppm	1.1440 ppm	2.6956 ppm	0.1164 ppm	1.1388 ppm
Concentration per Run	0.1095 ppm	16.2732 ppm	0.9901 ppm	1.1383 ppm	2.7145 ppm	0.1163 ppm	1.1500 ppm
Concentration RSD	3.5 %	0.1 %	0.6 %	0.3 %	0.6 %	0.3 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.8629 ppm	100.5555 %	101.9847 %	94.8478 %	108.7055 %	110.2219 %	109.0821 %
Concentration per Run	0.8633 ppm	100.1953 %	101.8964 %	94.5501 %	108.3194 %	111.0171 %	108.5652 %
Concentration per Run	0.8583 ppm	100.9533 %	101.0389 %	95.2576 %	109.1142 %	108.9991 %	109.7833 %
Concentration per Run	0.8670 ppm	100.5177 %	103.0189 %	94.7358 %	108.6830 %	110.6494 %	108.8979 %
Concentration RSD	0.5 %	0.4 %	1.0 %	0.4 %	0.4 %	1.0 %	0.6 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2145172-4d2 WG2145172
Analysis started at: 11/28/2025 5:27:28 PM
Comment <Comment>
Rack Number 3
Vial Numbers 10

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0498 ppm	93.9034 ppm	0.4605 ppm	1.0597 ppm	2.3708 ppm	0.0611 ppm	19.8587 ppm
Concentration per Run	0.0497 ppm	93.0711 ppm	0.4593 ppm	1.0438 ppm	2.3541 ppm	0.0606 ppm	19.7835 ppm
Concentration per Run	0.0500 ppm	95.1279 ppm	0.4629 ppm	1.0623 ppm	2.4091 ppm	0.0620 ppm	19.9853 ppm
Concentration per Run	0.0496 ppm	93.5112 ppm	0.4593 ppm	1.0728 ppm	2.3490 ppm	0.0606 ppm	19.8073 ppm
Concentration RSD	0.4 %	1.2 %	0.4 %	1.4 %	1.4 %	1.3 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0574 ppm	0.5094 ppm	0.5789 ppm	0.3712 ppm	247.4911 ppm	43.4138 ppm	0.0756 ppm
Concentration per Run	0.0570 ppm	0.5067 ppm	0.5721 ppm	0.3683 ppm	246.3884 ppm	43.1522 ppm	0.0771 ppm
Concentration per Run	0.0575 ppm	0.5091 ppm	0.5788 ppm	0.3709 ppm	250.4285 ppm	43.9428 ppm	0.0761 ppm
Concentration per Run	0.0579 ppm	0.5125 ppm	0.5858 ppm	0.3744 ppm	245.6565 ppm	43.1463 ppm	0.0735 ppm
Concentration RSD	0.9 %	0.6 %	1.2 %	0.8 %	1.0 %	1.1 %	2.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	24.1712 ppm	1.1587 ppm	0.8773 ppm	12.5453 ppm	0.5378 ppm	0.7207 ppm	0.1522 ppm
Concentration per Run	24.1019 ppm	1.1476 ppm	0.8706 ppm	12.5471 ppm	0.5355 ppm	0.7184 ppm	0.1475 ppm
Concentration per Run	24.1593 ppm	1.1733 ppm	0.8774 ppm	12.6617 ppm	0.5363 ppm	0.7231 ppm	0.1542 ppm
Concentration per Run	24.2523 ppm	1.1552 ppm	0.8839 ppm	12.4269 ppm	0.5418 ppm	0.7207 ppm	0.1548 ppm
Concentration RSD	0.3 %	1.1 %	0.8 %	0.9 %	0.6 %	0.3 %	2.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1075 ppm	15.3790 ppm	0.9759 ppm	1.1970 ppm	1.6212 ppm	0.1170 ppm	1.4139 ppm
Concentration per Run	0.1019 ppm	15.2405 ppm	0.9693 ppm	1.1913 ppm	1.6130 ppm	0.1145 ppm	1.3988 ppm
Concentration per Run	0.1066 ppm	15.4027 ppm	0.9788 ppm	1.2160 ppm	1.6185 ppm	0.1184 ppm	1.4172 ppm
Concentration per Run	0.1141 ppm	15.4939 ppm	0.9796 ppm	1.1839 ppm	1.6322 ppm	0.1183 ppm	1.4257 ppm
Concentration RSD	5.7 %	0.8 %	0.6 %	1.4 %	0.6 %	1.9 %	1.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.7295 ppm	102.9837 %	105.2617 %	97.7858 %	112.6709 %	116.0179 %	115.0018 %
Concentration per Run	0.7227 ppm	103.2831 %	105.0053 %	97.7665 %	112.6438 %	115.3077 %	114.9371 %
Concentration per Run	0.7295 ppm	103.3724 %	104.9352 %	98.1290 %	112.9362 %	117.1453 %	115.3670 %
Concentration per Run	0.7365 ppm	102.2957 %	105.8446 %	97.4620 %	112.4327 %	115.6005 %	114.7014 %
Concentration RSD	0.9 %	0.6 %	0.5 %	0.3 %	0.2 %	0.9 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2145172-5d2 WG2145172
Analysis started at: 11/28/2025 5:29:41 PM
Comment <Comment>
Rack Number 3
Vial Numbers 11

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0465 ppm	85.0872 ppm	0.3806 ppm	1.0988 ppm	2.1754 ppm	0.0557 ppm	18.4017 ppm
Concentration per Run	0.0465 ppm	84.9033 ppm	0.3762 ppm	1.0935 ppm	2.1731 ppm	0.0558 ppm	18.3624 ppm
Concentration per Run	0.0467 ppm	85.1552 ppm	0.3850 ppm	1.0988 ppm	2.1779 ppm	0.0558 ppm	18.4170 ppm
Concentration per Run	0.0462 ppm	85.2031 ppm	0.3806 ppm	1.1041 ppm	2.1752 ppm	0.0555 ppm	18.4256 ppm
Concentration RSD	0.5 %	0.2 %	1.1 %	0.5 %	0.1 %	0.3 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0532 ppm	0.4706 ppm	0.5315 ppm	0.3258 ppm	265.8470 ppm	42.5378 ppm	0.0690 ppm
Concentration per Run	0.0527 ppm	0.4676 ppm	0.5257 ppm	0.3243 ppm	264.9887 ppm	42.3130 ppm	0.0693 ppm
Concentration per Run	0.0534 ppm	0.4703 ppm	0.5351 ppm	0.3256 ppm	266.6971 ppm	42.6489 ppm	0.0690 ppm
Concentration per Run	0.0534 ppm	0.4741 ppm	0.5337 ppm	0.3274 ppm	265.8551 ppm	42.6516 ppm	0.0687 ppm
Concentration RSD	0.7 %	0.7 %	0.9 %	0.5 %	0.3 %	0.5 %	0.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	23.3739 ppm	1.1176 ppm	1.0035 ppm	11.5942 ppm	0.4958 ppm	0.7199 ppm	0.4774 ppm
Concentration per Run	23.2728 ppm	1.1162 ppm	0.9974 ppm	11.5886 ppm	0.4919 ppm	0.7165 ppm	0.4740 ppm
Concentration per Run	23.3921 ppm	1.1195 ppm	1.0002 ppm	11.5795 ppm	0.4977 ppm	0.7207 ppm	0.4824 ppm
Concentration per Run	23.4568 ppm	1.1172 ppm	1.0130 ppm	11.6146 ppm	0.4977 ppm	0.7224 ppm	0.4759 ppm
Concentration RSD	0.4 %	0.2 %	0.8 %	0.2 %	0.7 %	0.4 %	0.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1247 ppm	10.9683 ppm	0.9903 ppm	1.0932 ppm	1.9652 ppm	0.1105 ppm	1.2871 ppm
Concentration per Run	0.1188 ppm	10.8924 ppm	0.9900 ppm	1.0931 ppm	1.9619 ppm	0.1083 ppm	1.2787 ppm
Concentration per Run	0.1299 ppm	10.9730 ppm	0.9801 ppm	1.0944 ppm	1.9659 ppm	0.1130 ppm	1.2870 ppm
Concentration per Run	0.1255 ppm	11.0395 ppm	1.0009 ppm	1.0920 ppm	1.9678 ppm	0.1102 ppm	1.2957 ppm
Concentration RSD	4.5 %	0.7 %	1.1 %	0.1 %	0.2 %	2.2 %	0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6492 ppm	101.7317 %	104.4402 %	95.5486 %	109.4016 %	112.1188 %	110.2278 %
Concentration per Run	0.6446 ppm	101.4170 %	105.2387 %	95.2352 %	108.9278 %	113.4310 %	109.9871 %
Concentration per Run	0.6479 ppm	102.0418 %	103.8959 %	95.2224 %	109.7865 %	111.6222 %	109.7837 %
Concentration per Run	0.6551 ppm	101.7362 %	104.1858 %	96.1883 %	109.4906 %	111.3032 %	110.9126 %
Concentration RSD	0.8 %	0.3 %	0.7 %	0.6 %	0.4 %	1.0 %	0.5 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: WG2145172-6d10 WG2145172
Analysis started at: 11/28/2025 5:31:51 PM
Comment <Comment>
Rack Number 3
Vial Numbers 12

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	16.1017 ppm	0.0545 ppm	0.0260 ppm	0.0418 ppm	0.0013 ppm	1.4974 ppm
Concentration per Run	0.0003 ppm	16.1007 ppm	0.0551 ppm	0.0252 ppm	0.0420 ppm	0.0013 ppm	1.5005 ppm
Concentration per Run	-0.0004 ppm	16.0926 ppm	0.0547 ppm	0.0255 ppm	0.0417 ppm	0.0012 ppm	1.4883 ppm
Concentration per Run	0.0006 ppm	16.1119 ppm	0.0536 ppm	0.0273 ppm	0.0416 ppm	0.0013 ppm	1.5034 ppm
Concentration RSD	296.9 %	0.1 %	1.4 %	4.4 %	0.4 %	2.3 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0032 ppm	0.0673 ppm	0.0165 ppm	53.4684 ppm	6.0480 ppm	0.0152 ppm
Concentration per Run	0.0001 ppm	0.0035 ppm	0.0674 ppm	0.0168 ppm	53.4565 ppm	6.0494 ppm	0.0161 ppm
Concentration per Run	0.0002 ppm	0.0026 ppm	0.0667 ppm	0.0165 ppm	53.5373 ppm	6.0289 ppm	0.0146 ppm
Concentration per Run	0.0003 ppm	0.0035 ppm	0.0677 ppm	0.0162 ppm	53.4115 ppm	6.0657 ppm	0.0148 ppm
Concentration RSD	41.7 %	15.8 %	0.8 %	1.9 %	0.1 %	0.3 %	5.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	2.7656 ppm	0.1241 ppm	0.0005 ppm	0.1254 ppm	0.0078 ppm	0.0336 ppm	0.0020 ppm
Concentration per Run	2.7705 ppm	0.1246 ppm	0.0004 ppm	0.1264 ppm	0.0088 ppm	0.0341 ppm	0.0012 ppm
Concentration per Run	2.7679 ppm	0.1240 ppm	0.0003 ppm	0.1223 ppm	0.0073 ppm	0.0328 ppm	0.0010 ppm
Concentration per Run	2.7585 ppm	0.1238 ppm	0.0009 ppm	0.1275 ppm	0.0072 ppm	0.0339 ppm	0.0038 ppm
Concentration RSD	0.2 %	0.4 %	63.3 %	2.2 %	12.0 %	2.0 %	77.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0021 ppm	1.7922 ppm	0.0020 ppm	0.0131 ppm	0.1891 ppm	0.0010 ppm	0.1569 ppm
Concentration per Run	0.0007 ppm	1.7990 ppm	0.0003 ppm	0.0132 ppm	0.1891 ppm	0.0004 ppm	0.1574 ppm
Concentration per Run	0.0042 ppm	1.7842 ppm	0.0041 ppm	0.0130 ppm	0.1895 ppm	0.0017 ppm	0.1558 ppm
Concentration per Run	0.0014 ppm	1.7934 ppm	0.0018 ppm	0.0132 ppm	0.1889 ppm	0.0009 ppm	0.1576 ppm
Concentration RSD	88.8 %	0.4 %	93.8 %	0.6 %	0.2 %	62.7 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0386 ppm	100.8955 %	98.9143 %	99.6782 %	101.3906 %	99.0050 %	101.6199 %
Concentration per Run	0.0392 ppm	99.9270 %	99.3716 %	99.5272 %	100.5140 %	99.9477 %	101.4966 %
Concentration per Run	0.0380 ppm	101.5330 %	98.4205 %	99.5980 %	101.7517 %	98.1798 %	101.6882 %
Concentration per Run	0.0387 ppm	101.2264 %	98.9508 %	99.9095 %	101.9060 %	98.8876 %	101.6750 %
Concentration RSD	1.5 %	0.8 %	0.5 %	0.2 %	0.8 %	0.9 %	0.1 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: L2571628-13d2 WG2145172
Analysis started at: 11/28/2025 5:34:02 PM
Comment <Comment>
Rack Number 3
Vial Numbers 13

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	51.1018 ppm	0.0244 ppm	0.1178 ppm	0.1432 ppm	0.0038 ppm	8.9711 ppm
Concentration per Run	0.0005 ppm	51.2561 ppm	0.0228 ppm	0.1161 ppm	0.1436 ppm	0.0038 ppm	9.0112 ppm
Concentration per Run	0.0004 ppm	51.0567 ppm	0.0241 ppm	0.1200 ppm	0.1434 ppm	0.0038 ppm	8.9897 ppm
Concentration per Run	-0.0002 ppm	50.9925 ppm	0.0262 ppm	0.1174 ppm	0.1426 ppm	0.0037 ppm	8.9123 ppm
Concentration RSD	154.2 %	0.3 %	7.0 %	1.7 %	0.4 %	1.3 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0007 ppm	0.0077 ppm	0.2161 ppm	0.0328 ppm	86.3150 ppm	20.1787 ppm	0.0234 ppm
Concentration per Run	0.0008 ppm	0.0076 ppm	0.2143 ppm	0.0330 ppm	86.6594 ppm	20.2762 ppm	0.0235 ppm
Concentration per Run	0.0007 ppm	0.0074 ppm	0.2137 ppm	0.0324 ppm	86.5260 ppm	20.2396 ppm	0.0234 ppm
Concentration per Run	0.0006 ppm	0.0079 ppm	0.2204 ppm	0.0330 ppm	85.7596 ppm	20.0203 ppm	0.0232 ppm
Concentration RSD	16.1 %	3.0 %	1.7 %	1.1 %	0.6 %	0.7 %	0.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	8.5194 ppm	0.1117 ppm	0.0044 ppm	0.9718 ppm	0.0187 ppm	0.0824 ppm	0.0005 ppm
Concentration per Run	8.5343 ppm	0.1121 ppm	0.0042 ppm	0.9802 ppm	0.0185 ppm	0.0819 ppm	0.0027 ppm
Concentration per Run	8.4542 ppm	0.1122 ppm	0.0047 ppm	0.9777 ppm	0.0185 ppm	0.0831 ppm	-0.0007 ppm
Concentration per Run	8.5697 ppm	0.1107 ppm	0.0043 ppm	0.9577 ppm	0.0191 ppm	0.0820 ppm	-0.0006 ppm
Concentration RSD	0.7 %	0.8 %	6.4 %	1.3 %	1.7 %	0.8 %	405.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0020 ppm	11.1729 ppm	0.0066 ppm	0.0769 ppm	0.8620 ppm	-0.0018 ppm	0.1558 ppm
Concentration per Run	-0.0007 ppm	11.1118 ppm	0.0070 ppm	0.0771 ppm	0.8624 ppm	-0.0016 ppm	0.1551 ppm
Concentration per Run	0.0032 ppm	11.0882 ppm	0.0074 ppm	0.0772 ppm	0.8603 ppm	-0.0018 ppm	0.1537 ppm
Concentration per Run	0.0034 ppm	11.3187 ppm	0.0055 ppm	0.0763 ppm	0.8632 ppm	-0.0020 ppm	0.1584 ppm
Concentration RSD	118.8 %	1.1 %	15.2 %	0.6 %	0.2 %	11.8 %	1.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1075 ppm	100.4369 %	99.3407 %	96.8307 %	110.6640 %	110.3397 %	111.4682 %
Concentration per Run	0.1059 ppm	100.6528 %	98.1394 %	96.4880 %	110.8541 %	109.7532 %	111.4390 %
Concentration per Run	0.1063 ppm	101.2939 %	99.2478 %	97.1025 %	111.1088 %	110.3447 %	111.6017 %
Concentration per Run	0.1104 ppm	99.3639 %	100.6348 %	96.9016 %	110.0291 %	110.9213 %	111.3638 %
Concentration RSD	2.3 %	1.0 %	1.3 %	0.3 %	0.5 %	0.5 %	0.1 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2572956-01d2 WG2145172
Analysis started at: 11/28/2025 5:36:12 PM
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Rack Number 3
Vial Numbers 14

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0011 ppm	91.3713 ppm	0.0025 ppm	0.0501 ppm	0.0760 ppm	0.0001 ppm	61.5677 ppm
Concentration per Run	0.0008 ppm	91.3241 ppm	0.0005 ppm	0.0487 ppm	0.0760 ppm	0.0001 ppm	61.5528 ppm
Concentration per Run	0.0007 ppm	91.3570 ppm	0.0037 ppm	0.0493 ppm	0.0759 ppm	0.0001 ppm	61.5422 ppm
Concentration per Run	0.0019 ppm	91.4328 ppm	0.0031 ppm	0.0523 ppm	0.0763 ppm	0.0001 ppm	61.6080 ppm
Concentration RSD	57.7 %	0.1 %	68.6 %	3.9 %	0.3 %	21.7 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0004 ppm	0.0661 ppm	0.1567 ppm	0.6823 ppm	82.2396 ppm	6.6796 ppm	0.0520 ppm
Concentration per Run	0.0003 ppm	0.0675 ppm	0.1588 ppm	0.6895 ppm	81.9898 ppm	6.7104 ppm	0.0532 ppm
Concentration per Run	0.0004 ppm	0.0646 ppm	0.1557 ppm	0.6795 ppm	82.1625 ppm	6.6672 ppm	0.0523 ppm
Concentration per Run	0.0005 ppm	0.0660 ppm	0.1556 ppm	0.6780 ppm	82.5666 ppm	6.6613 ppm	0.0504 ppm
Concentration RSD	22.3 %	2.2 %	1.2 %	0.9 %	0.4 %	0.4 %	2.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	49.7714 ppm	0.7154 ppm	-0.0003 ppm	13.8968 ppm	0.1398 ppm	0.0037 ppm	0.0015 ppm
Concentration per Run	49.9723 ppm	0.7152 ppm	-0.0001 ppm	13.9932 ppm	0.1407 ppm	0.0045 ppm	0.0012 ppm
Concentration per Run	49.4211 ppm	0.7132 ppm	-0.0003 ppm	13.8702 ppm	0.1397 ppm	0.0032 ppm	0.0009 ppm
Concentration per Run	49.9209 ppm	0.7176 ppm	-0.0004 ppm	13.8269 ppm	0.1391 ppm	0.0034 ppm	0.0023 ppm
Concentration RSD	0.6 %	0.3 %	71.0 %	0.6 %	0.6 %	19.5 %	49.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0013 ppm	6.7406 ppm	0.0045 ppm	0.2161 ppm	1.8120 ppm	0.0012 ppm	0.1518 ppm
Concentration per Run	-0.0036 ppm	6.7960 ppm	0.0046 ppm	0.2162 ppm	1.8172 ppm	0.0017 ppm	0.1536 ppm
Concentration per Run	0.0022 ppm	6.7084 ppm	0.0051 ppm	0.2156 ppm	1.8051 ppm	0.0021 ppm	0.1517 ppm
Concentration per Run	0.0053 ppm	6.7174 ppm	0.0037 ppm	0.2165 ppm	1.8137 ppm	-0.0002 ppm	0.1503 ppm
Concentration RSD	348.7 %	0.7 %	15.9 %	0.2 %	0.3 %	101.0 %	1.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1231 ppm	95.6520 %	96.3225 %	89.5844 %	96.0177 %	97.2767 %	95.6682 %
Concentration per Run	0.1246 ppm	94.2528 %	96.2284 %	89.6131 %	94.7528 %	97.2523 %	95.8304 %
Concentration per Run	0.1224 ppm	96.9829 %	96.3315 %	89.6114 %	97.6449 %	97.0566 %	95.3870 %
Concentration per Run	0.1224 ppm	95.7204 %	96.4075 %	89.5286 %	95.6555 %	97.5212 %	95.7872 %
Concentration RSD	1.0 %	1.4 %	0.1 %	0.1 %	1.5 %	0.2 %	0.3 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2573952-01d2 WG2145172
Analysis started at: 11/28/2025 5:38:22 PM
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Rack Number 3
Vial Numbers 15

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0003 ppm	139.7204 ppm	0.0512 ppm	0.0276 ppm	1.1562 ppm	0.0095 ppm	12.6296 ppm
Concentration per Run	0.0004 ppm	138.6625 ppm	0.0524 ppm	0.0281 ppm	1.1429 ppm	0.0093 ppm	12.5624 ppm
Concentration per Run	-0.0001 ppm	140.0898 ppm	0.0506 ppm	0.0263 ppm	1.1661 ppm	0.0095 ppm	12.6233 ppm
Concentration per Run	0.0006 ppm	140.4089 ppm	0.0506 ppm	0.0283 ppm	1.1597 ppm	0.0095 ppm	12.7032 ppm
Concentration RSD	108.0 %	0.7 %	2.0 %	4.1 %	1.0 %	1.2 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0011 ppm	0.0505 ppm	0.3494 ppm	0.0811 ppm	140.4798 ppm	8.5367 ppm	0.1740 ppm
Concentration per Run	0.0010 ppm	0.0507 ppm	0.3471 ppm	0.0809 ppm	139.6596 ppm	8.4752 ppm	0.1715 ppm
Concentration per Run	0.0013 ppm	0.0503 ppm	0.3478 ppm	0.0808 ppm	140.4219 ppm	8.5458 ppm	0.1751 ppm
Concentration per Run	0.0011 ppm	0.0506 ppm	0.3534 ppm	0.0817 ppm	141.3579 ppm	8.5893 ppm	0.1753 ppm
Concentration RSD	13.9 %	0.5 %	1.0 %	0.6 %	0.6 %	0.7 %	1.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	29.7605 ppm	1.2848 ppm	0.0017 ppm	1.4043 ppm	0.1630 ppm	0.2987 ppm	0.0002 ppm
Concentration per Run	29.4980 ppm	1.2761 ppm	0.0010 ppm	1.3897 ppm	0.1616 ppm	0.2973 ppm	-0.0034 ppm
Concentration per Run	29.8311 ppm	1.2934 ppm	0.0017 ppm	1.4138 ppm	0.1631 ppm	0.2966 ppm	0.0032 ppm
Concentration per Run	29.9525 ppm	1.2849 ppm	0.0023 ppm	1.4094 ppm	0.1643 ppm	0.3023 ppm	0.0006 ppm
Concentration RSD	0.8 %	0.7 %	39.1 %	0.9 %	0.8 %	1.0 %	2,221.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0055 ppm	11.2937 ppm	0.0105 ppm	0.1188 ppm	3.5593 ppm	-0.0024 ppm	0.3625 ppm
Concentration per Run	0.0060 ppm	11.2100 ppm	0.0119 ppm	0.1177 ppm	3.5325 ppm	-0.0022 ppm	0.3607 ppm
Concentration per Run	0.0054 ppm	11.2474 ppm	0.0103 ppm	0.1196 ppm	3.5635 ppm	-0.0014 ppm	0.3606 ppm
Concentration per Run	0.0052 ppm	11.4236 ppm	0.0093 ppm	0.1191 ppm	3.5818 ppm	-0.0035 ppm	0.3662 ppm
Concentration RSD	7.2 %	1.0 %	12.5 %	0.8 %	0.7 %	44.9 %	0.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4725 ppm	101.0464 %	103.2105 %	96.7964 %	120.5167 %	124.2517 %	123.4613 %
Concentration per Run	0.4689 ppm	101.4753 %	102.9643 %	97.5653 %	121.2593 %	123.3146 %	124.2238 %
Concentration per Run	0.4703 ppm	101.2947 %	103.8138 %	96.8047 %	120.2900 %	125.3505 %	123.2723 %
Concentration per Run	0.4784 ppm	100.3690 %	102.8533 %	96.0193 %	120.0010 %	124.0900 %	122.8878 %
Concentration RSD	1.1 %	0.6 %	0.5 %	0.8 %	0.5 %	0.8 %	0.6 %

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LabBook: WG2147204_11282025T11.imexp

Sample: CCV
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Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5027 ppm	0.4856 ppm	0.4752 ppm	0.4775 ppm	0.5008 ppm	0.5019 ppm	0.4856 ppm
Concentration per Run	0.5016 ppm	0.4823 ppm	0.4770 ppm	0.4768 ppm	0.4962 ppm	0.4990 ppm	0.4803 ppm
Concentration per Run	0.5021 ppm	0.4877 ppm	0.4765 ppm	0.4797 ppm	0.5043 ppm	0.5038 ppm	0.4855 ppm
Concentration per Run	0.5046 ppm	0.4867 ppm	0.4721 ppm	0.4761 ppm	0.5018 ppm	0.5029 ppm	0.4912 ppm
Recovery Percentage	100.549 %	97.111 %	95.040 %	95.509 %	100.152 %	100.381 %	97.127 %
Concentration RSD	0.3 %	0.6 %	0.6 %	0.4 %	0.8 %	0.5 %	1.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5095 ppm	0.5093 ppm	0.5131 ppm	0.5199 ppm	0.5001 ppm	5.2527 ppm	0.5359 ppm
Concentration per Run	0.5090 ppm	0.5083 ppm	0.5113 ppm	0.5194 ppm	0.4953 ppm	5.2141 ppm	0.5308 ppm
Concentration per Run	0.5106 ppm	0.5105 ppm	0.5133 ppm	0.5213 ppm	0.4997 ppm	5.2688 ppm	0.5404 ppm
Concentration per Run	0.5089 ppm	0.5089 ppm	0.5148 ppm	0.5191 ppm	0.5054 ppm	5.2751 ppm	0.5367 ppm
Recovery Percentage	101.900 %	101.850 %	102.626 %	103.989 %	100.028 %	105.054 %	107.190 %
Concentration RSD	0.2 %	0.2 %	0.3 %	0.2 %	1.0 %	0.6 %	0.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5041 ppm	0.5048 ppm	0.4820 ppm	10.2035 ppm	0.5105 ppm	0.4955 ppm	0.4995 ppm
Concentration per Run	0.5055 ppm	0.5001 ppm	0.4812 ppm	10.1269 ppm	0.5106 ppm	0.4953 ppm	0.5009 ppm
Concentration per Run	0.5057 ppm	0.5062 ppm	0.4814 ppm	10.2607 ppm	0.5109 ppm	0.4958 ppm	0.5008 ppm
Concentration per Run	0.5012 ppm	0.5081 ppm	0.4832 ppm	10.2231 ppm	0.5101 ppm	0.4954 ppm	0.4969 ppm
Recovery Percentage	100.828 %	100.958 %	96.393 %	102.035 %	102.102 %	99.099 %	99.905 %
Concentration RSD	0.5 %	0.8 %	0.2 %	0.7 %	0.1 %	0.1 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4689 ppm	5.3366 ppm	0.4847 ppm	0.4928 ppm	0.4961 ppm	0.4882 ppm	0.5114 ppm
Concentration per Run	0.4714 ppm	5.3222 ppm	0.4878 ppm	0.4890 ppm	0.4980 ppm	0.4896 ppm	0.5104 ppm
Concentration per Run	0.4678 ppm	5.3379 ppm	0.4846 ppm	0.4966 ppm	0.4963 ppm	0.4871 ppm	0.5119 ppm
Concentration per Run	0.4673 ppm	5.3496 ppm	0.4818 ppm	0.4928 ppm	0.4940 ppm	0.4880 ppm	0.5120 ppm
Recovery Percentage	93.772 %	101.649 %	96.946 %	98.561 %	99.219 %	97.642 %	102.290 %
Concentration RSD	0.5 %	0.3 %	0.6 %	0.8 %	0.4 %	0.3 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4975 ppm	99.1675 %	96.8723 %	98.8849 %	98.1504 %	95.0399 %	97.7209 %
Concentration per Run	0.4960 ppm	99.4639 %	97.6367 %	99.1589 %	98.2101 %	95.1436 %	98.0425 %
Concentration per Run	0.4984 ppm	99.0795 %	96.9210 %	98.5503 %	98.3996 %	95.5621 %	97.2925 %
Concentration per Run	0.4982 ppm	98.9593 %	96.0592 %	98.9455 %	97.8414 %	94.4140 %	97.8278 %
Recovery Percentage	99.502 %						
Concentration RSD	0.3 %	0.3 %	0.8 %	0.3 %	0.3 %	0.6 %	0.4 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: CCB
Analysis started at: 11/28/2025 5:42:43 PM
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Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	0.0047 ppm	-0.0016 ppm	0.0015 ppm	0.0002 ppm	0.0000 ppm	-0.0031 ppm
Concentration per Run	-0.0004 ppm	0.0144 ppm	0.0004 ppm	0.0018 ppm	0.0001 ppm	0.0000 ppm	-0.0063 ppm
Concentration per Run	0.0006 ppm	-0.0023 ppm	-0.0008 ppm	0.0012 ppm	0.0002 ppm	0.0000 ppm	-0.0015 ppm
Concentration per Run	0.0003 ppm	0.0020 ppm	-0.0044 ppm	0.0015 ppm	0.0002 ppm	-0.0001 ppm	-0.0014 ppm
Recovery Percentage	2.217 %	4.691 %	-32.079 %	4.957 %	1.735 %	-0.357 %	-3.073 %
Concentration RSD	344.6 %	185.0 %	158.0 %	18.5 %	31.0 %	259.7 %	91.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0001 ppm	-0.0002 ppm	0.0022 ppm	-0.0109 ppm	0.0019 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	0.0000 ppm	-0.0004 ppm	0.0022 ppm	-0.0085 ppm	0.0020 ppm
Concentration per Run	0.0000 ppm	0.0004 ppm	0.0001 ppm	-0.0002 ppm	0.0032 ppm	-0.0214 ppm	0.0017 ppm
Concentration per Run	0.0001 ppm	-0.0003 ppm	0.0000 ppm	-0.0001 ppm	0.0013 ppm	-0.0029 ppm	0.0019 ppm
Recovery Percentage	0.719 %	0.092 %	0.574 %	-2.306 %	4.478 %	-0.438 %	37.183 %
Concentration RSD	160.6 %	1,976.2 %	93.8 %	71.0 %	43.6 %	86.8 %	9.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0012 ppm	0.0001 ppm	0.0002 ppm	0.0020 ppm	-0.0010 ppm	-0.0008 ppm	0.0053 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0011 ppm	-0.0008 ppm	-0.0009 ppm	0.0048 ppm
Concentration per Run	-0.0007 ppm	0.0000 ppm	0.0002 ppm	0.0052 ppm	-0.0014 ppm	-0.0004 ppm	0.0068 ppm
Concentration per Run	-0.0031 ppm	0.0001 ppm	0.0001 ppm	-0.0003 ppm	-0.0008 ppm	-0.0010 ppm	0.0042 ppm
Recovery Percentage	-1.248 %	0.502 %	0.311 %	0.100 %	-3.859 %	-7.708 %	10.521 %
Concentration RSD	131.4 %	189.6 %	44.3 %	142.6 %	35.3 %	41.8 %	26.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0027 ppm	0.0039 ppm	0.0007 ppm	0.0001 ppm	-0.0001 ppm	0.0007 ppm	-0.0001 ppm
Concentration per Run	0.0023 ppm	0.0037 ppm	0.0010 ppm	0.0001 ppm	-0.0001 ppm	-0.0001 ppm	0.0000 ppm
Concentration per Run	0.0040 ppm	0.0057 ppm	0.0007 ppm	0.0001 ppm	-0.0008 ppm	0.0005 ppm	-0.0001 ppm
Concentration per Run	0.0017 ppm	0.0024 ppm	0.0003 ppm	0.0001 ppm	0.0004 ppm	0.0015 ppm	-0.0002 ppm
Recovery Percentage	26.734 %	0.788 %	1.350 %	0.860 %	-1.493 %	3.258 %	-0.889 %
Concentration RSD	44.5 %	42.8 %	53.3 %	21.2 %	418.1 %	125.4 %	67.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0001 ppm	96.7798 %	94.3799 %	97.4738 %	97.9952 %	94.6815 %	97.3233 %
Concentration per Run	0.0001 ppm	97.2287 %	94.0609 %	96.9000 %	98.8561 %	94.8914 %	96.7859 %
Concentration per Run	0.0002 ppm	96.5308 %	94.3215 %	98.0749 %	97.7968 %	94.2855 %	97.6903 %
Concentration per Run	0.0001 ppm	96.5800 %	94.7574 %	97.4466 %	97.3327 %	94.8676 %	97.4938 %
Recovery Percentage	2.851 %						
Concentration RSD	25.5 %	0.4 %	0.4 %	0.6 %	0.8 %	0.4 %	0.5 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: WG2145172-1 WG2145172
Analysis started at: 11/28/2025 5:48:44 PM
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Rack Number 3
Vial Numbers 6

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	0.0106 ppm	0.0001 ppm	0.0007 ppm	0.0001 ppm	0.0000 ppm	0.0437 ppm
Concentration per Run	0.0003 ppm	0.0127 ppm	-0.0027 ppm	-0.0009 ppm	0.0001 ppm	0.0000 ppm	0.0480 ppm
Concentration per Run	0.0001 ppm	0.0066 ppm	0.0016 ppm	0.0026 ppm	0.0000 ppm	0.0000 ppm	0.0413 ppm
Concentration per Run	0.0002 ppm	0.0124 ppm	0.0013 ppm	0.0006 ppm	0.0003 ppm	0.0000 ppm	0.0416 ppm
Recovery Percentage	3.132 %	10.573 %	1.154 %	2.447 %	1.407 %	-0.237 %	43.660 %
Concentration RSD	49.0 %	32.5 %	4,081.0 %	239.0 %	104.8 %	345.2 %	8.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0013 ppm	0.0000 ppm	**0.0604 ppm**	-0.0179 ppm	0.0018 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	0.0011 ppm	0.0000 ppm	0.0611 ppm	-0.0333 ppm	0.0013 ppm
Concentration per Run	-0.0001 ppm	-0.0001 ppm	0.0014 ppm	-0.0001 ppm	0.0600 ppm	0.0010 ppm	0.0028 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	0.0014 ppm	0.0001 ppm	0.0600 ppm	-0.0215 ppm	0.0014 ppm
Recovery Percentage	-0.465 %	-0.127 %	13.225 %	-0.131 %	120.742 %	-0.718 %	36.101 %
Concentration RSD	411.1 %	552.9 %	12.8 %	577.9 %	**1.0 %**	97.2 %	46.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0060 ppm	0.0017 ppm	-0.0003 ppm	0.0099 ppm	-0.0005 ppm	-0.0012 ppm	-0.0004 ppm
Concentration per Run	0.0060 ppm	0.0015 ppm	-0.0002 ppm	0.0056 ppm	-0.0014 ppm	-0.0017 ppm	-0.0005 ppm
Concentration per Run	0.0063 ppm	0.0017 ppm	-0.0004 ppm	0.0075 ppm	-0.0001 ppm	-0.0006 ppm	-0.0013 ppm
Concentration per Run	0.0055 ppm	0.0019 ppm	-0.0002 ppm	0.0167 ppm	0.0001 ppm	-0.0011 ppm	0.0006 ppm
Recovery Percentage	5.955 %	16.889 %	-0.503 %	0.497 %	-1.872 %	-11.591 %	-0.775 %
Concentration RSD	7.3 %	9.8 %	50.9 %	59.9 %	175.3 %	47.9 %	251.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0034 ppm	0.0224 ppm	0.0084 ppm	0.0002 ppm	0.0001 ppm	0.0002 ppm	0.0000 ppm
Concentration per Run	0.0023 ppm	0.0205 ppm	0.0073 ppm	0.0002 ppm	-0.0001 ppm	0.0013 ppm	0.0002 ppm
Concentration per Run	0.0034 ppm	0.0258 ppm	0.0080 ppm	0.0002 ppm	0.0002 ppm	-0.0003 ppm	0.0000 ppm
Concentration per Run	0.0046 ppm	0.0209 ppm	0.0097 ppm	0.0002 ppm	0.0000 ppm	-0.0004 ppm	-0.0001 ppm
Recovery Percentage	34.274 %	4.475 %	16.701 %	1.836 %	0.557 %	0.964 %	0.356 %
Concentration RSD	32.8 %	13.1 %	15.1 %	6.0 %	245.6 %	518.0 %	476.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	**0.0148 ppm**	98.0420 %	95.9473 %	97.8144 %	98.7971 %	95.2426 %	98.3468 %
Concentration per Run	0.0148 ppm	97.9066 %	95.3191 %	97.4387 %	98.3837 %	94.6834 %	98.2703 %
Concentration per Run	0.0151 ppm	98.4849 %	96.2352 %	97.9292 %	99.4104 %	95.8034 %	98.4282 %
Concentration per Run	0.0146 ppm	97.7346 %	96.2877 %	98.0753 %	98.5974 %	95.2410 %	98.3421 %
Recovery Percentage	296.634 %						
Concentration RSD	**1.8 %**	0.4 %	0.6 %	0.3 %	0.5 %	0.6 %	0.1 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2573952-05d2 WG2145172
Analysis started at: 11/28/2025 5:51:03 PM
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Rack Number 3
Vial Numbers 16

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0003 ppm	116.6057 ppm	0.0576 ppm	0.0352 ppm	0.9164 ppm	0.0073 ppm	14.1581 ppm
Concentration per Run	0.0003 ppm	116.3251 ppm	0.0571 ppm	0.0350 ppm	0.9177 ppm	0.0073 ppm	14.1407 ppm
Concentration per Run	0.0003 ppm	116.8747 ppm	0.0592 ppm	0.0342 ppm	0.9147 ppm	0.0073 ppm	14.1770 ppm
Concentration per Run	0.0003 ppm	116.6175 ppm	0.0564 ppm	0.0363 ppm	0.9167 ppm	0.0073 ppm	14.1566 ppm
Concentration RSD	7.7 %	0.2 %	2.5 %	3.1 %	0.2 %	0.4 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0010 ppm	0.0744 ppm	0.3091 ppm	0.0839 ppm	171.2103 ppm	12.0118 ppm	0.1914 ppm
Concentration per Run	0.0012 ppm	0.0734 ppm	0.3064 ppm	0.0831 ppm	171.3905 ppm	12.0380 ppm	0.1931 ppm
Concentration per Run	0.0009 ppm	0.0743 ppm	0.3079 ppm	0.0833 ppm	171.1087 ppm	12.0007 ppm	0.1899 ppm
Concentration per Run	0.0009 ppm	0.0753 ppm	0.3130 ppm	0.0854 ppm	171.1315 ppm	11.9968 ppm	0.1912 ppm
Concentration RSD	19.1 %	1.3 %	1.1 %	1.5 %	0.1 %	0.2 %	0.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	37.8274 ppm	1.9363 ppm	0.0006 ppm	1.4162 ppm	0.1825 ppm	0.4811 ppm	0.0002 ppm
Concentration per Run	37.6336 ppm	1.9410 ppm	0.0008 ppm	1.4197 ppm	0.1796 ppm	0.4770 ppm	0.0010 ppm
Concentration per Run	37.7595 ppm	1.9432 ppm	0.0006 ppm	1.4142 ppm	0.1819 ppm	0.4819 ppm	-0.0013 ppm
Concentration per Run	38.0892 ppm	1.9245 ppm	0.0004 ppm	1.4148 ppm	0.1860 ppm	0.4845 ppm	0.0008 ppm
Concentration RSD	0.6 %	0.5 %	30.7 %	0.2 %	1.8 %	0.8 %	691.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0045 ppm	11.4994 ppm	0.0096 ppm	0.1234 ppm	3.8678 ppm	-0.0018 ppm	0.3075 ppm
Concentration per Run	0.0008 ppm	11.3792 ppm	0.0099 ppm	0.1232 ppm	3.8424 ppm	-0.0019 ppm	0.3038 ppm
Concentration per Run	0.0101 ppm	11.4594 ppm	0.0093 ppm	0.1234 ppm	3.8654 ppm	-0.0014 ppm	0.3066 ppm
Concentration per Run	0.0028 ppm	11.6595 ppm	0.0097 ppm	0.1235 ppm	3.8954 ppm	-0.0021 ppm	0.3122 ppm
Concentration RSD	107.5 %	1.3 %	2.8 %	0.1 %	0.7 %	20.9 %	1.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4941 ppm	101.6099 %	102.2971 %	95.9754 %	119.0253 %	121.7622 %	119.9171 %
Concentration per Run	0.4895 ppm	101.8509 %	101.3813 %	96.1143 %	119.1137 %	120.6250 %	119.8379 %
Concentration per Run	0.4915 ppm	102.0021 %	102.2449 %	96.1287 %	119.1670 %	122.1247 %	120.3450 %
Concentration per Run	0.5012 ppm	100.9766 %	103.2650 %	95.6832 %	118.7952 %	122.5370 %	119.5684 %
Concentration RSD	1.3 %	0.5 %	0.9 %	0.3 %	0.2 %	0.8 %	0.3 %

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LabBook: WG2147204_11282025T11.imexp

Sample: L2573952-13d2 WG2145172
Analysis started at: 11/28/2025 5:53:13 PM
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Rack Number 3
Vial Numbers 17

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0158 ppm	112.2608 ppm	0.1774 ppm	0.0325 ppm	1.3080 ppm	0.0113 ppm	15.8674 ppm
Concentration per Run	0.0160 ppm	111.4792 ppm	0.1745 ppm	0.0327 ppm	1.2958 ppm	0.0112 ppm	15.7910 ppm
Concentration per Run	0.0163 ppm	112.5350 ppm	0.1806 ppm	0.0317 ppm	1.3173 ppm	0.0114 ppm	15.9014 ppm
Concentration per Run	0.0152 ppm	112.7681 ppm	0.1772 ppm	0.0332 ppm	1.3109 ppm	0.0113 ppm	15.9098 ppm
Concentration RSD	3.6 %	0.6 %	1.7 %	2.4 %	0.8 %	0.7 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0496 ppm	0.1207 ppm	0.9447 ppm	1.1137 ppm	237.8465 ppm	9.8477 ppm	0.1788 ppm
Concentration per Run	0.0492 ppm	0.1210 ppm	0.9445 ppm	1.1121 ppm	235.5621 ppm	9.7588 ppm	0.1774 ppm
Concentration per Run	0.0498 ppm	0.1199 ppm	0.9431 ppm	1.1082 ppm	239.5035 ppm	9.8972 ppm	0.1800 ppm
Concentration per Run	0.0498 ppm	0.1212 ppm	0.9464 ppm	1.1209 ppm	238.4740 ppm	9.8871 ppm	0.1790 ppm
Concentration RSD	0.7 %	0.6 %	0.2 %	0.6 %	0.9 %	0.8 %	0.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	29.3519 ppm	3.0002 ppm	0.0077 ppm	1.2831 ppm	0.2782 ppm	8.7420 ppm	0.0263 ppm
Concentration per Run	29.2275 ppm	2.9866 ppm	0.0079 ppm	1.2750 ppm	0.2760 ppm	8.6992 ppm	0.0304 ppm
Concentration per Run	29.3651 ppm	3.0056 ppm	0.0079 ppm	1.2803 ppm	0.2795 ppm	8.7559 ppm	0.0236 ppm
Concentration per Run	29.4629 ppm	3.0083 ppm	0.0073 ppm	1.2940 ppm	0.2790 ppm	8.7708 ppm	0.0251 ppm
Concentration RSD	0.4 %	0.4 %	4.3 %	0.8 %	0.7 %	0.4 %	13.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0195 ppm	10.5247 ppm	0.0974 ppm	0.1515 ppm	2.9494 ppm	-0.0006 ppm	0.3213 ppm
Concentration per Run	0.0172 ppm	10.4889 ppm	0.0984 ppm	0.1501 ppm	2.9363 ppm	0.0017 ppm	0.3215 ppm
Concentration per Run	0.0180 ppm	10.5428 ppm	0.0966 ppm	0.1528 ppm	2.9511 ppm	-0.0027 ppm	0.3204 ppm
Concentration per Run	0.0234 ppm	10.5424 ppm	0.0972 ppm	0.1514 ppm	2.9607 ppm	-0.0009 ppm	0.3220 ppm
Concentration RSD	17.3 %	0.3 %	0.9 %	0.9 %	0.4 %	359.0 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	6.0157 ppm	100.8105 %	101.9285 %	94.5879 %	120.5511 %	122.9707 %	121.1302 %
Concentration per Run	6.0052 ppm	100.6238 %	102.3531 %	95.1253 %	120.4971 %	123.0233 %	121.6879 %
Concentration per Run	6.0037 ppm	100.9500 %	102.3712 %	93.9407 %	120.4784 %	123.6875 %	120.2969 %
Concentration per Run	6.0382 ppm	100.8578 %	101.0613 %	94.6977 %	120.6778 %	122.2012 %	121.4058 %
Concentration RSD	0.3 %	0.2 %	0.7 %	0.6 %	0.1 %	0.6 %	0.6 %

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LabBook: WG2147204_11282025T11.imexp

Sample: L2573984-01d2 WG2145172
Analysis started at: 11/28/2025 5:55:24 PM
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Rack Number 3
Vial Numbers 18

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0005 ppm	86.1964 ppm	0.0353 ppm	0.0149 ppm	1.1906 ppm	0.0049 ppm	30.4671 ppm
Concentration per Run	0.0012 ppm	86.4640 ppm	0.0352 ppm	0.0156 ppm	1.1928 ppm	0.0049 ppm	30.5792 ppm
Concentration per Run	-0.0001 ppm	86.1002 ppm	0.0341 ppm	0.0135 ppm	1.1908 ppm	0.0050 ppm	30.4250 ppm
Concentration per Run	0.0006 ppm	86.0249 ppm	0.0367 ppm	0.0155 ppm	1.1884 ppm	0.0049 ppm	30.3971 ppm
Concentration RSD	122.8 %	0.3 %	3.7 %	8.1 %	0.2 %	0.7 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0031 ppm	0.0705 ppm	0.1997 ppm	0.1244 ppm	168.1640 ppm	6.7653 ppm	0.1477 ppm
Concentration per Run	0.0033 ppm	0.0693 ppm	0.1943 ppm	0.1230 ppm	168.8050 ppm	6.7751 ppm	0.1454 ppm
Concentration per Run	0.0029 ppm	0.0722 ppm	0.2049 ppm	0.1252 ppm	167.8004 ppm	6.7750 ppm	0.1523 ppm
Concentration per Run	0.0032 ppm	0.0699 ppm	0.2000 ppm	0.1251 ppm	167.8865 ppm	6.7458 ppm	0.1454 ppm
Concentration RSD	7.3 %	2.2 %	2.6 %	1.0 %	0.3 %	0.2 %	2.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	35.8376 ppm	1.2244 ppm	-0.0001 ppm	1.6901 ppm	0.1407 ppm	0.1058 ppm	0.0016 ppm
Concentration per Run	35.5810 ppm	1.2263 ppm	-0.0003 ppm	1.6955 ppm	0.1389 ppm	0.1053 ppm	-0.0019 ppm
Concentration per Run	35.9269 ppm	1.2244 ppm	-0.0005 ppm	1.6819 ppm	0.1430 ppm	0.1060 ppm	0.0011 ppm
Concentration per Run	36.0048 ppm	1.2226 ppm	0.0005 ppm	1.6929 ppm	0.1402 ppm	0.1060 ppm	0.0055 ppm
Concentration RSD	0.6 %	0.2 %	667.3 %	0.4 %	1.5 %	0.3 %	237.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0018 ppm	10.2684 ppm	0.0111 ppm	0.1770 ppm	2.6423 ppm	-0.0014 ppm	0.2699 ppm
Concentration per Run	0.0043 ppm	10.0990 ppm	0.0119 ppm	0.1774 ppm	2.6200 ppm	-0.0035 ppm	0.2637 ppm
Concentration per Run	0.0012 ppm	10.4225 ppm	0.0104 ppm	0.1771 ppm	2.6504 ppm	0.0005 ppm	0.2760 ppm
Concentration per Run	-0.0001 ppm	10.2836 ppm	0.0110 ppm	0.1766 ppm	2.6564 ppm	-0.0011 ppm	0.2700 ppm
Concentration RSD	128.0 %	1.6 %	7.1 %	0.2 %	0.7 %	144.9 %	2.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.1959 ppm	99.7573 %	99.5906 %	93.0664 %	115.8869 %	116.5836 %	116.1786 %
Concentration per Run	1.1699 ppm	100.3799 %	99.3980 %	93.3170 %	115.5912 %	116.8006 %	116.0374 %
Concentration per Run	1.2206 ppm	99.0703 %	99.1609 %	92.6240 %	115.7245 %	115.5987 %	115.9298 %
Concentration per Run	1.1973 ppm	99.8218 %	100.2128 %	93.2582 %	116.3451 %	117.3515 %	116.5686 %
Concentration RSD	2.1 %	0.7 %	0.6 %	0.4 %	0.3 %	0.8 %	0.3 %

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LabBook: WG2147204_11282025T11.imexp

Sample: L2573984-02d2 WG2145172
Analysis started at: 11/28/2025 5:57:35 PM
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Rack Number 3
Vial Numbers 19

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	84.4278 ppm	0.0482 ppm	0.0115 ppm	3.3001 ppm	0.0048 ppm	27.7979 ppm
Concentration per Run	0.0001 ppm	84.2513 ppm	0.0489 ppm	0.0114 ppm	3.2877 ppm	0.0048 ppm	27.6501 ppm
Concentration per Run	0.0005 ppm	84.7696 ppm	0.0481 ppm	0.0103 ppm	3.3123 ppm	0.0048 ppm	27.9321 ppm
Concentration per Run	-0.0004 ppm	84.2625 ppm	0.0477 ppm	0.0129 ppm	3.3002 ppm	0.0049 ppm	27.8115 ppm
Concentration RSD	636.4 %	0.4 %	1.3 %	11.3 %	0.4 %	0.3 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0007 ppm	0.0643 ppm	0.1925 ppm	0.1242 ppm	145.0669 ppm	4.6191 ppm	0.1473 ppm
Concentration per Run	0.0008 ppm	0.0638 ppm	0.1903 ppm	0.1244 ppm	144.1776 ppm	4.5879 ppm	0.1491 ppm
Concentration per Run	0.0007 ppm	0.0653 ppm	0.1923 ppm	0.1240 ppm	145.8986 ppm	4.6316 ppm	0.1482 ppm
Concentration per Run	0.0008 ppm	0.0638 ppm	0.1950 ppm	0.1244 ppm	145.1243 ppm	4.6379 ppm	0.1446 ppm
Concentration RSD	9.2 %	1.4 %	1.2 %	0.2 %	0.6 %	0.6 %	1.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	32.3991 ppm	1.0607 ppm	-0.0009 ppm	4.5368 ppm	0.1358 ppm	0.0889 ppm	0.0003 ppm
Concentration per Run	32.2354 ppm	1.0561 ppm	-0.0013 ppm	4.5249 ppm	0.1351 ppm	0.0870 ppm	-0.0020 ppm
Concentration per Run	32.4412 ppm	1.0634 ppm	-0.0007 ppm	4.5599 ppm	0.1358 ppm	0.0891 ppm	0.0015 ppm
Concentration per Run	32.5206 ppm	1.0626 ppm	-0.0007 ppm	4.5255 ppm	0.1365 ppm	0.0906 ppm	0.0012 ppm
Concentration RSD	0.5 %	0.4 %	34.6 %	0.4 %	0.5 %	2.0 %	709.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0004 ppm	9.2894 ppm	0.0091 ppm	0.1506 ppm	2.8482 ppm	-0.0017 ppm	0.1721 ppm
Concentration per Run	0.0008 ppm	9.2245 ppm	0.0091 ppm	0.1503 ppm	2.8327 ppm	-0.0037 ppm	0.1702 ppm
Concentration per Run	-0.0007 ppm	9.3099 ppm	0.0088 ppm	0.1509 ppm	2.8550 ppm	-0.0007 ppm	0.1728 ppm
Concentration per Run	-0.0012 ppm	9.3337 ppm	0.0094 ppm	0.1506 ppm	2.8569 ppm	-0.0008 ppm	0.1734 ppm
Concentration RSD	266.7 %	0.6 %	3.4 %	0.2 %	0.5 %	99.7 %	1.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4275 ppm	100.0762 %	99.6310 %	94.5109 %	120.3154 %	120.5993 %	120.7376 %
Concentration per Run	0.4229 ppm	99.8268 %	100.1439 %	94.4080 %	119.9758 %	121.1298 %	120.6278 %
Concentration per Run	0.4283 ppm	99.9014 %	98.6800 %	93.8937 %	120.1277 %	120.2713 %	119.6584 %
Concentration per Run	0.4313 ppm	100.5003 %	100.0691 %	95.2311 %	120.8427 %	120.3967 %	121.9268 %
Concentration RSD	1.0 %	0.4 %	0.8 %	0.7 %	0.4 %	0.4 %	0.9 %

ICP DataTrace 11

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LabBook: WG2147204_11282025T11.imexp

Sample: L2573984-03d2 WG2145172
Analysis started at: 11/28/2025 5:59:45 PM
Comment <Comment>
Rack Number 3
Vial Numbers 20

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0009 ppm	55.6405 ppm	0.0567 ppm	0.0139 ppm	1.1451 ppm	0.0041 ppm	16.8861 ppm
Concentration per Run	0.0004 ppm	55.5349 ppm	0.0555 ppm	0.0138 ppm	1.1401 ppm	0.0042 ppm	16.8166 ppm
Concentration per Run	0.0007 ppm	55.2710 ppm	0.0569 ppm	0.0140 ppm	1.1394 ppm	0.0040 ppm	16.8436 ppm
Concentration per Run	0.0017 ppm	56.1158 ppm	0.0576 ppm	0.0140 ppm	1.1558 ppm	0.0041 ppm	16.9982 ppm
Concentration RSD	75.6 %	0.8 %	1.9 %	1.1 %	0.8 %	1.8 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0032 ppm	0.0378 ppm	0.1296 ppm	0.1180 ppm	169.2316 ppm	3.3767 ppm	0.0643 ppm
Concentration per Run	0.0032 ppm	0.0381 ppm	0.1298 ppm	0.1165 ppm	168.9614 ppm	3.3784 ppm	0.0629 ppm
Concentration per Run	0.0031 ppm	0.0377 ppm	0.1294 ppm	0.1181 ppm	167.8764 ppm	3.3653 ppm	0.0644 ppm
Concentration per Run	0.0032 ppm	0.0375 ppm	0.1297 ppm	0.1195 ppm	170.8569 ppm	3.3863 ppm	0.0655 ppm
Concentration RSD	1.3 %	0.8 %	0.2 %	1.3 %	0.9 %	0.3 %	2.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	13.8623 ppm	1.5964 ppm	0.0019 ppm	1.6089 ppm	0.0772 ppm	0.2643 ppm	0.0009 ppm
Concentration per Run	13.7568 ppm	1.5846 ppm	0.0019 ppm	1.5975 ppm	0.0768 ppm	0.2634 ppm	-0.0013 ppm
Concentration per Run	13.8547 ppm	1.5949 ppm	0.0021 ppm	1.6019 ppm	0.0773 ppm	0.2651 ppm	0.0047 ppm
Concentration per Run	13.9754 ppm	1.6097 ppm	0.0017 ppm	1.6274 ppm	0.0775 ppm	0.2645 ppm	-0.0005 ppm
Concentration RSD	0.8 %	0.8 %	10.3 %	1.0 %	0.5 %	0.3 %	350.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0010 ppm	11.0113 ppm	0.0144 ppm	0.1181 ppm	1.1237 ppm	-0.0015 ppm	0.2001 ppm
Concentration per Run	0.0008 ppm	10.9599 ppm	0.0147 ppm	0.1180 ppm	1.1141 ppm	0.0001 ppm	0.1988 ppm
Concentration per Run	-0.0002 ppm	10.9930 ppm	0.0138 ppm	0.1173 ppm	1.1291 ppm	-0.0025 ppm	0.1999 ppm
Concentration per Run	0.0026 ppm	11.0810 ppm	0.0147 ppm	0.1189 ppm	1.1279 ppm	-0.0021 ppm	0.2016 ppm
Concentration RSD	136.3 %	0.6 %	3.7 %	0.6 %	0.7 %	96.2 %	0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.8867 ppm	99.0945 %	99.1193 %	95.0990 %	112.9583 %	113.1282 %	114.0508 %
Concentration per Run	0.8835 ppm	99.2820 %	98.9793 %	95.4150 %	112.8394 %	113.4189 %	114.2300 %
Concentration per Run	0.8844 ppm	99.1901 %	99.3578 %	94.8698 %	113.1548 %	112.6264 %	113.8055 %
Concentration per Run	0.8921 ppm	98.8113 %	99.0207 %	95.0121 %	112.8808 %	113.3393 %	114.1169 %
Concentration RSD	0.5 %	0.3 %	0.2 %	0.3 %	0.2 %	0.4 %	0.2 %

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LabBook: WG2147204_11282025T11.imexp

Sample: L2573984-04d2 WG2145172
Analysis started at: 11/28/2025 6:01:56 PM
Comment <Comment>
Rack Number 3
Vial Numbers 21

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0009 ppm	40.1639 ppm	0.0087 ppm	0.0152 ppm	0.3281 ppm	0.0032 ppm	15.0949 ppm
Concentration per Run	0.0008 ppm	40.0911 ppm	0.0090 ppm	0.0151 ppm	0.3269 ppm	0.0032 ppm	15.0803 ppm
Concentration per Run	0.0006 ppm	40.2847 ppm	0.0088 ppm	0.0151 ppm	0.3289 ppm	0.0032 ppm	15.1186 ppm
Concentration per Run	0.0012 ppm	40.1160 ppm	0.0082 ppm	0.0155 ppm	0.3284 ppm	0.0032 ppm	15.0857 ppm
Concentration RSD	35.1 %	0.3 %	4.9 %	1.5 %	0.3 %	0.6 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0006 ppm	0.0398 ppm	0.0655 ppm	0.0306 ppm	93.3126 ppm	4.0294 ppm	0.0588 ppm
Concentration per Run	0.0007 ppm	0.0397 ppm	0.0654 ppm	0.0304 ppm	93.1199 ppm	4.0354 ppm	0.0607 ppm
Concentration per Run	0.0007 ppm	0.0393 ppm	0.0658 ppm	0.0312 ppm	93.7280 ppm	4.0518 ppm	0.0602 ppm
Concentration per Run	0.0006 ppm	0.0402 ppm	0.0653 ppm	0.0302 ppm	93.0900 ppm	4.0009 ppm	0.0557 ppm
Concentration RSD	7.5 %	1.1 %	0.4 %	1.6 %	0.4 %	0.6 %	4.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	12.4478 ppm	2.7280 ppm	-0.0004 ppm	0.4768 ppm	0.0800 ppm	0.0543 ppm	0.0019 ppm
Concentration per Run	12.4471 ppm	2.7277 ppm	-0.0007 ppm	0.4805 ppm	0.0804 ppm	0.0551 ppm	-0.0014 ppm
Concentration per Run	12.5010 ppm	2.7380 ppm	-0.0005 ppm	0.4735 ppm	0.0798 ppm	0.0540 ppm	0.0029 ppm
Concentration per Run	12.3954 ppm	2.7183 ppm	-0.0001 ppm	0.4763 ppm	0.0798 ppm	0.0537 ppm	0.0041 ppm
Concentration RSD	0.4 %	0.4 %	69.5 %	0.7 %	0.4 %	1.4 %	154.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0002 ppm	6.3276 ppm	0.0062 ppm	0.0764 ppm	0.7461 ppm	-0.0014 ppm	0.0789 ppm
Concentration per Run	-0.0004 ppm	6.3269 ppm	0.0063 ppm	0.0763 ppm	0.7448 ppm	-0.0022 ppm	0.0787 ppm
Concentration per Run	0.0020 ppm	6.3103 ppm	0.0076 ppm	0.0768 ppm	0.7486 ppm	0.0000 ppm	0.0790 ppm
Concentration per Run	-0.0021 ppm	6.3458 ppm	0.0048 ppm	0.0761 ppm	0.7449 ppm	-0.0020 ppm	0.0789 ppm
Concentration RSD	1,263.7 %	0.3 %	22.8 %	0.4 %	0.3 %	89.0 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1609 ppm	100.3149 %	98.4945 %	94.8143 %	107.0155 %	104.9599 %	106.2162 %
Concentration per Run	0.1602 ppm	100.1355 %	98.2519 %	94.9495 %	106.5283 %	104.7224 %	106.5780 %
Concentration per Run	0.1601 ppm	100.7007 %	98.8494 %	94.7903 %	107.4461 %	105.6842 %	105.9841 %
Concentration per Run	0.1624 ppm	100.1085 %	98.3821 %	94.7031 %	107.0721 %	104.4732 %	106.0864 %
Concentration RSD	0.8 %	0.3 %	0.3 %	0.1 %	0.4 %	0.6 %	0.3 %

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LabBook: WG2147204_11282025T11.imexp

Sample: L2573984-05d2 WG2145172
Analysis started at: 11/28/2025 6:04:06 PM
Comment <Comment>
Rack Number 3
Vial Numbers 22

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0015 ppm	100.4510 ppm	0.0369 ppm	0.0178 ppm	0.8162 ppm	0.0039 ppm	31.2789 ppm
Concentration per Run	0.0012 ppm	100.3147 ppm	0.0357 ppm	0.0162 ppm	0.8145 ppm	0.0039 ppm	31.2732 ppm
Concentration per Run	0.0018 ppm	100.4379 ppm	0.0364 ppm	0.0187 ppm	0.8173 ppm	0.0040 ppm	31.3001 ppm
Concentration per Run	0.0014 ppm	100.6003 ppm	0.0388 ppm	0.0185 ppm	0.8168 ppm	0.0039 ppm	31.2633 ppm
Concentration RSD	20.3 %	0.1 %	4.3 %	7.7 %	0.2 %	1.4 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0043 ppm	0.0859 ppm	0.2410 ppm	0.3737 ppm	184.7573 ppm	4.1651 ppm	0.0955 ppm
Concentration per Run	0.0043 ppm	0.0852 ppm	0.2383 ppm	0.3708 ppm	184.5305 ppm	4.1680 ppm	0.0977 ppm
Concentration per Run	0.0042 ppm	0.0860 ppm	0.2411 ppm	0.3735 ppm	185.1509 ppm	4.1537 ppm	0.0937 ppm
Concentration per Run	0.0045 ppm	0.0865 ppm	0.2435 ppm	0.3768 ppm	184.5905 ppm	4.1735 ppm	0.0953 ppm
Concentration RSD	3.2 %	0.8 %	1.1 %	0.8 %	0.2 %	0.2 %	2.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	42.2580 ppm	3.4561 ppm	0.0022 ppm	5.3831 ppm	0.1801 ppm	0.5698 ppm	0.0050 ppm
Concentration per Run	42.0813 ppm	3.4471 ppm	0.0023 ppm	5.3778 ppm	0.1775 ppm	0.5666 ppm	0.0060 ppm
Concentration per Run	42.0551 ppm	3.4582 ppm	0.0020 ppm	5.3751 ppm	0.1812 ppm	0.5710 ppm	0.0025 ppm
Concentration per Run	42.6376 ppm	3.4629 ppm	0.0024 ppm	5.3964 ppm	0.1816 ppm	0.5719 ppm	0.0064 ppm
Concentration RSD	0.8 %	0.2 %	8.9 %	0.2 %	1.3 %	0.5 %	43.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0023 ppm	6.4911 ppm	0.0268 ppm	0.1708 ppm	3.2726 ppm	-0.0008 ppm	0.3128 ppm
Concentration per Run	0.0006 ppm	6.4318 ppm	0.0254 ppm	0.1709 ppm	3.2561 ppm	-0.0002 ppm	0.3096 ppm
Concentration per Run	0.0022 ppm	6.4838 ppm	0.0279 ppm	0.1707 ppm	3.2638 ppm	-0.0005 ppm	0.3132 ppm
Concentration per Run	0.0040 ppm	6.5576 ppm	0.0271 ppm	0.1708 ppm	3.2978 ppm	-0.0016 ppm	0.3156 ppm
Concentration RSD	73.3 %	1.0 %	4.7 %	0.1 %	0.7 %	94.1 %	1.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.4689 ppm	97.8093 %	98.6509 %	92.6114 %	109.4872 %	110.8015 %	110.3103 %
Concentration per Run	1.4522 ppm	97.8040 %	97.8800 %	92.3610 %	109.3289 %	110.0424 %	109.5320 %
Concentration per Run	1.4662 ppm	98.3160 %	98.2661 %	92.5582 %	110.0862 %	110.1837 %	110.7057 %
Concentration per Run	1.4882 ppm	97.3080 %	99.8066 %	92.9149 %	109.0466 %	112.1782 %	110.6932 %
Concentration RSD	1.2 %	0.5 %	1.0 %	0.3 %	0.5 %	1.1 %	0.6 %

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LabBook: WG2147204_11282025T11.imexp

Sample: L2573984-06d2 WG2145172
Analysis started at: 11/28/2025 6:06:17 PM
Comment <Comment>
Rack Number 3
Vial Numbers 23

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0010 ppm	71.6952 ppm	0.0382 ppm	0.0122 ppm	0.6442 ppm	0.0026 ppm	28.3431 ppm
Concentration per Run	0.0016 ppm	71.7883 ppm	0.0375 ppm	0.0113 ppm	0.6424 ppm	0.0026 ppm	28.3296 ppm
Concentration per Run	0.0010 ppm	71.2698 ppm	0.0375 ppm	0.0128 ppm	0.6422 ppm	0.0026 ppm	28.2583 ppm
Concentration per Run	0.0005 ppm	72.0276 ppm	0.0394 ppm	0.0125 ppm	0.6480 ppm	0.0026 ppm	28.4414 ppm
Concentration RSD	51.2 %	0.5 %	2.9 %	6.7 %	0.5 %	0.6 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0033 ppm	0.0743 ppm	0.1636 ppm	0.3127 ppm	137.9253 ppm	4.5806 ppm	0.0715 ppm
Concentration per Run	0.0034 ppm	0.0737 ppm	0.1635 ppm	0.3118 ppm	137.7946 ppm	4.6048 ppm	0.0689 ppm
Concentration per Run	0.0033 ppm	0.0748 ppm	0.1622 ppm	0.3110 ppm	137.6339 ppm	4.5516 ppm	0.0720 ppm
Concentration per Run	0.0032 ppm	0.0745 ppm	0.1651 ppm	0.3154 ppm	138.3474 ppm	4.5854 ppm	0.0737 ppm
Concentration RSD	2.8 %	0.8 %	0.9 %	0.7 %	0.3 %	0.6 %	3.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	41.7072 ppm	2.4217 ppm	0.0020 ppm	3.5363 ppm	0.1726 ppm	0.5798 ppm	0.0028 ppm
Concentration per Run	41.6195 ppm	2.4203 ppm	0.0027 ppm	3.5352 ppm	0.1724 ppm	0.5789 ppm	0.0056 ppm
Concentration per Run	41.6796 ppm	2.4136 ppm	0.0014 ppm	3.5224 ppm	0.1716 ppm	0.5810 ppm	0.0000 ppm
Concentration per Run	41.8225 ppm	2.4312 ppm	0.0018 ppm	3.5514 ppm	0.1737 ppm	0.5795 ppm	0.0028 ppm
Concentration RSD	0.3 %	0.4 %	33.3 %	0.4 %	0.6 %	0.2 %	98.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0032 ppm	6.0052 ppm	0.0167 ppm	0.1613 ppm	2.8636 ppm	-0.0009 ppm	0.2464 ppm
Concentration per Run	0.0041 ppm	5.9831 ppm	0.0165 ppm	0.1610 ppm	2.8563 ppm	0.0009 ppm	0.2459 ppm
Concentration per Run	0.0028 ppm	5.9827 ppm	0.0156 ppm	0.1607 ppm	2.8590 ppm	-0.0026 ppm	0.2451 ppm
Concentration per Run	0.0025 ppm	6.0496 ppm	0.0179 ppm	0.1622 ppm	2.8754 ppm	-0.0011 ppm	0.2482 ppm
Concentration RSD	27.4 %	0.6 %	6.9 %	0.5 %	0.4 %	193.6 %	0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.9801 ppm	97.1768 %	98.0424 %	93.7303 %	105.7453 %	106.7006 %	106.7671 %
Concentration per Run	0.9810 ppm	96.5429 %	98.2225 %	93.4208 %	105.0926 %	107.0555 %	106.4891 %
Concentration per Run	0.9731 ppm	97.5271 %	97.5678 %	93.7764 %	105.8758 %	105.9379 %	106.8285 %
Concentration per Run	0.9863 ppm	97.4605 %	98.3371 %	93.9936 %	106.2674 %	107.1085 %	106.9836 %
Concentration RSD	0.7 %	0.6 %	0.4 %	0.3 %	0.6 %	0.6 %	0.2 %

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LabBook: WG2147204_11282025T11.imexp

Sample: L2573984-07d2 WG2145172
Analysis started at: 11/28/2025 6:08:27 PM
Comment <Comment>
Rack Number 3
Vial Numbers 24

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0013 ppm	81.7562 ppm	0.0215 ppm	0.0142 ppm	0.4801 ppm	0.0032 ppm	13.5856 ppm
Concentration per Run	0.0019 ppm	81.7910 ppm	0.0219 ppm	0.0152 ppm	0.4795 ppm	0.0032 ppm	13.6148 ppm
Concentration per Run	0.0010 ppm	81.7208 ppm	0.0224 ppm	0.0148 ppm	0.4779 ppm	0.0032 ppm	13.5511 ppm
Concentration per Run	0.0009 ppm	81.7567 ppm	0.0202 ppm	0.0126 ppm	0.4828 ppm	0.0032 ppm	13.5909 ppm
Concentration RSD	46.4 %	0.0 %	5.2 %	9.7 %	0.5 %	0.7 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0024 ppm	0.0533 ppm	0.0999 ppm	0.1082 ppm	140.5119 ppm	4.7546 ppm	0.0847 ppm
Concentration per Run	0.0025 ppm	0.0534 ppm	0.0989 ppm	0.1075 ppm	140.7154 ppm	4.7693 ppm	0.0876 ppm
Concentration per Run	0.0023 ppm	0.0536 ppm	0.1012 ppm	0.1085 ppm	140.2989 ppm	4.7540 ppm	0.0828 ppm
Concentration per Run	0.0025 ppm	0.0529 ppm	0.0996 ppm	0.1086 ppm	140.5215 ppm	4.7406 ppm	0.0836 ppm
Concentration RSD	4.9 %	0.7 %	1.2 %	0.6 %	0.1 %	0.3 %	3.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	16.8355 ppm	3.4121 ppm	0.0018 ppm	1.5413 ppm	0.1051 ppm	0.2430 ppm	0.0017 ppm
Concentration per Run	16.7756 ppm	3.4038 ppm	0.0022 ppm	1.5415 ppm	0.1035 ppm	0.2424 ppm	0.0008 ppm
Concentration per Run	16.7922 ppm	3.4065 ppm	0.0016 ppm	1.5378 ppm	0.1062 ppm	0.2428 ppm	-0.0007 ppm
Concentration per Run	16.9387 ppm	3.4260 ppm	0.0016 ppm	1.5448 ppm	0.1056 ppm	0.2437 ppm	0.0051 ppm
Concentration RSD	0.5 %	0.4 %	21.7 %	0.2 %	1.4 %	0.3 %	174.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0010 ppm	5.7210 ppm	0.0133 ppm	0.0957 ppm	1.3490 ppm	-0.0006 ppm	0.1492 ppm
Concentration per Run	0.0011 ppm	5.6775 ppm	0.0131 ppm	0.0960 ppm	1.3388 ppm	-0.0003 ppm	0.1474 ppm
Concentration per Run	0.0020 ppm	5.7265 ppm	0.0140 ppm	0.0951 ppm	1.3459 ppm	-0.0019 ppm	0.1499 ppm
Concentration per Run	-0.0001 ppm	5.7589 ppm	0.0128 ppm	0.0960 ppm	1.3622 ppm	0.0005 ppm	0.1503 ppm
Concentration RSD	102.0 %	0.7 %	4.5 %	0.5 %	0.9 %	211.4 %	1.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.7493 ppm	98.7996 %	97.1397 %	93.1911 %	101.9173 %	100.8631 %	102.3646 %
Concentration per Run	1.7356 ppm	98.9688 %	96.6209 %	92.6863 %	101.8185 %	100.7053 %	101.4574 %
Concentration per Run	1.7597 ppm	98.9891 %	97.4100 %	93.1801 %	102.5021 %	101.1736 %	102.5916 %
Concentration per Run	1.7526 ppm	98.4409 %	97.3883 %	93.7070 %	101.4314 %	100.7105 %	103.0448 %
Concentration RSD	0.7 %	0.3 %	0.5 %	0.5 %	0.5 %	0.3 %	0.8 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: CCV
Analysis started at: 11/28/2025 6:10:39 PM
Comment <Comment>
Rack Number 0
Vial Numbers 3

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5062 ppm	0.4831 ppm	0.4774 ppm	0.4793 ppm	0.5027 ppm	0.5054 ppm	0.4860 ppm
Concentration per Run	0.5051 ppm	0.4792 ppm	0.4771 ppm	0.4733 ppm	0.5023 ppm	0.5058 ppm	0.4838 ppm
Concentration per Run	0.5074 ppm	0.4930 ppm	0.4776 ppm	0.4824 ppm	0.5056 ppm	0.5056 ppm	0.4862 ppm
Concentration per Run	0.5063 ppm	0.4772 ppm	0.4776 ppm	0.4823 ppm	0.5003 ppm	0.5046 ppm	0.4878 ppm
Recovery Percentage	101.250 %	96.626 %	95.486 %	95.867 %	100.549 %	101.071 %	97.192 %
Concentration RSD	0.2 %	1.8 %	0.1 %	1.1 %	0.5 %	0.1 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5105 ppm	0.5112 ppm	0.5134 ppm	0.5214 ppm	0.5001 ppm	5.2647 ppm	0.5422 ppm
Concentration per Run	0.5061 ppm	0.5081 ppm	0.5074 ppm	0.5188 ppm	0.4965 ppm	5.2656 ppm	0.5459 ppm
Concentration per Run	0.5135 ppm	0.5112 ppm	0.5153 ppm	0.5228 ppm	0.5034 ppm	5.2883 ppm	0.5447 ppm
Concentration per Run	0.5118 ppm	0.5142 ppm	0.5174 ppm	0.5227 ppm	0.5004 ppm	5.2403 ppm	0.5359 ppm
Recovery Percentage	102.096 %	102.230 %	102.674 %	104.285 %	100.020 %	105.295 %	108.435 %
Concentration RSD	0.8 %	0.6 %	1.0 %	0.4 %	0.7 %	0.5 %	1.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5062 ppm	0.5063 ppm	0.4855 ppm	10.3287 ppm	0.5114 ppm	0.4992 ppm	0.5068 ppm
Concentration per Run	0.5060 ppm	0.5053 ppm	0.4806 ppm	10.2960 ppm	0.5072 ppm	0.4972 ppm	0.5004 ppm
Concentration per Run	0.5084 ppm	0.5087 ppm	0.4867 ppm	10.3821 ppm	0.5128 ppm	0.4975 ppm	0.5111 ppm
Concentration per Run	0.5042 ppm	0.5049 ppm	0.4892 ppm	10.3079 ppm	0.5143 ppm	0.5029 ppm	0.5090 ppm
Recovery Percentage	101.237 %	101.257 %	97.097 %	103.287 %	102.282 %	99.837 %	101.361 %
Concentration RSD	0.4 %	0.4 %	0.9 %	0.5 %	0.7 %	0.6 %	1.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4715 ppm	5.3613 ppm	0.4875 ppm	0.4952 ppm	0.4974 ppm	0.4887 ppm	0.5132 ppm
Concentration per Run	0.4726 ppm	5.3032 ppm	0.4816 ppm	0.4960 ppm	0.4962 ppm	0.4874 ppm	0.5102 ppm
Concentration per Run	0.4699 ppm	5.3822 ppm	0.4917 ppm	0.4978 ppm	0.4991 ppm	0.4890 ppm	0.5151 ppm
Concentration per Run	0.4720 ppm	5.3985 ppm	0.4891 ppm	0.4920 ppm	0.4970 ppm	0.4896 ppm	0.5142 ppm
Recovery Percentage	94.309 %	102.120 %	97.492 %	99.050 %	99.490 %	97.734 %	102.634 %
Concentration RSD	0.3 %	1.0 %	1.1 %	0.6 %	0.3 %	0.2 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4970 ppm	99.1393 %	96.0440 %	98.6101 %	97.8594 %	94.0961 %	97.1326 %
Concentration per Run	0.4915 ppm	100.1068 %	96.9355 %	98.8396 %	98.8328 %	94.6723 %	97.4450 %
Concentration per Run	0.5002 ppm	98.3505 %	94.9952 %	98.4123 %	97.0106 %	93.5900 %	96.8154 %
Concentration per Run	0.4993 ppm	98.9605 %	96.2012 %	98.5784 %	97.7349 %	94.0258 %	97.1375 %
Recovery Percentage	99.398 %						
Concentration RSD	1.0 %	0.9 %	1.0 %	0.2 %	0.9 %	0.6 %	0.3 %

ICP DataTrace 11

11/28/2025 6:45:40 PM

LabBook: WG2147204_11282025T11.imexp

Sample: CCB
Analysis started at: 11/28/2025 6:12:50 PM
Comment <Comment>
Rack Number 0
Vial Numbers 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0052 ppm	-0.0020 ppm	0.0005 ppm	0.0002 ppm	0.0000 ppm	-0.0029 ppm
Concentration per Run	-0.0002 ppm	0.0083 ppm	-0.0023 ppm	0.0011 ppm	0.0002 ppm	-0.0001 ppm	-0.0008 ppm
Concentration per Run	0.0001 ppm	0.0039 ppm	-0.0011 ppm	0.0026 ppm	0.0002 ppm	0.0000 ppm	-0.0053 ppm
Concentration per Run	-0.0001 ppm	0.0035 ppm	-0.0026 ppm	-0.0021 ppm	0.0001 ppm	0.0000 ppm	-0.0025 ppm
Recovery Percentage	-0.714 %	5.239 %	-40.319 %	1.764 %	1.629 %	-0.734 %	-2.874 %
Concentration RSD	315.7 %	51.4 %	39.4 %	456.1 %	40.4 %	144.9 %	77.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0002 ppm	0.0000 ppm	-0.0002 ppm	0.0003 ppm	-0.0298 ppm	0.0018 ppm
Concentration per Run	0.0000 ppm	0.0004 ppm	-0.0001 ppm	0.0000 ppm	0.0014 ppm	0.0066 ppm	0.0021 ppm
Concentration per Run	0.0001 ppm	-0.0002 ppm	-0.0001 ppm	-0.0005 ppm	-0.0003 ppm	-0.0425 ppm	0.0025 ppm
Concentration per Run	0.0001 ppm	0.0004 ppm	0.0003 ppm	-0.0001 ppm	-0.0002 ppm	-0.0536 ppm	0.0009 ppm
Recovery Percentage	1.559 %	1.040 %	-0.018 %	-2.007 %	0.646 %	-1.193 %	36.194 %
Concentration RSD	54.6 %	152.2 %	12,308.5 %	146.9 %	296.6 %	107.3 %	45.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0024 ppm	0.0002 ppm	-0.0003 ppm	-0.0008 ppm	-0.0007 ppm	-0.0015 ppm	0.0023 ppm
Concentration per Run	-0.0003 ppm	0.0001 ppm	-0.0002 ppm	-0.0064 ppm	-0.0008 ppm	-0.0018 ppm	0.0027 ppm
Concentration per Run	-0.0049 ppm	0.0003 ppm	-0.0006 ppm	-0.0016 ppm	-0.0003 ppm	-0.0014 ppm	0.0059 ppm
Concentration per Run	-0.0021 ppm	0.0002 ppm	-0.0002 ppm	0.0055 ppm	-0.0009 ppm	-0.0014 ppm	-0.0018 ppm
Recovery Percentage	-2.421 %	1.895 %	-0.629 %	-0.041 %	-2.710 %	-15.257 %	4.512 %
Concentration RSD	95.8 %	39.4 %	65.2 %	718.4 %	47.3 %	15.5 %	172.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0025 ppm	0.0020 ppm	0.0006 ppm	0.0002 ppm	-0.0001 ppm	0.0013 ppm	-0.0001 ppm
Concentration per Run	0.0003 ppm	0.0006 ppm	0.0012 ppm	0.0001 ppm	0.0002 ppm	-0.0005 ppm	0.0001 ppm
Concentration per Run	0.0008 ppm	0.0037 ppm	-0.0012 ppm	0.0002 ppm	-0.0001 ppm	0.0016 ppm	-0.0001 ppm
Concentration per Run	0.0063 ppm	0.0019 ppm	0.0017 ppm	0.0002 ppm	-0.0004 ppm	0.0028 ppm	-0.0003 ppm
Recovery Percentage	24.767 %	0.406 %	1.156 %	1.589 %	-1.058 %	6.503 %	-0.957 %
Concentration RSD	135.3 %	77.0 %	265.7 %	50.5 %	302.4 %	127.7 %	206.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0001 ppm	96.7147 %	94.3095 %	97.0158 %	97.9663 %	94.1737 %	96.8716 %
Concentration per Run	0.0002 ppm	97.4671 %	94.3936 %	97.3913 %	98.7470 %	94.3620 %	97.3406 %
Concentration per Run	-0.0003 ppm	95.8340 %	95.1417 %	97.6332 %	96.7733 %	94.3980 %	97.3862 %
Concentration per Run	-0.0001 ppm	96.8430 %	93.3932 %	96.0228 %	98.3786 %	93.7612 %	95.8880 %
Recovery Percentage	-1.026 %						
Concentration RSD	489.3 %	0.9 %	0.9 %	0.9 %	1.1 %	0.4 %	0.9 %

QC True Values: ICP

	Element	True Value (mg/L)
ICV/CCV	All	0.50
	K	5.00
	Na	10.00
	Si	5.25
ICSA	Al	250
	Ca	250
	Fe	100
	Mg	250
ICSB	Al	9.00
	Sb	1.00
	As	1.00
	Ba	0.30
	Be	0.10
	Bi	1.00
	B	0.50
	Cd	0.30
	Ca	45.00
	Cr	0.30
	Co	0.30
	Cu	0.30
	Fe	37.50
	Pb	1.00
	Mg	22.50
	Mn	0.20
	Mo	0.30
	Ni	0.30
	K	20.00
	Se	0.50
	Si	1.23
	Ag	0.30
	Na	7.50
	Sr	1.00
	Tl	1.00
	Sn	1.00
	Ti	1.00
	V	0.30
	Zn	0.30

	Element	True Value (mg/L)
CRI	Al	0.40
	Sb	0.10
	As	0.02
	Ba	0.04
	Be	0.01
	Bi	0.02
	B	0.10
	Cd	0.01
	Ca	0.40
	Cr	0.02
	Co	0.10
	Cu	0.05
	Fe	0.20
	Pb	0.05
	Mg	0.40
	Mn	0.03
	Mo	0.10
	Ni	0.08
	K	5.00
	Se	0.02
	Si	1.00
	Ag	0.02
	Na	5.00
	Sr	0.02
	Tl	0.02
	Sn	0.02
	Ti	0.02
	V	0.10
	Zn	0.04

LCS & MS Spike Concentrations

Element	Liquid concentrations (mg/L)	Soil concentrations (mg/kg)
Al	2.00	100
Sb	0.50	25.0
As	0.12	6.0
Ba	2.00	100
Be	0.05	2.5
Bi	1.00	50.0
B	1.00	50.0
Cd	0.05	2.55
Ca	10.00	500
Cr	0.20	10.0
Co	0.50	25.0
Cu	0.25	12.5
Fe	1.00	50.0
Pb	0.51	25.5
Mg	10.00	500
Mn	0.50	25.0
Mo	1.00	50.0
Ni	0.50	25.0
K	10.00	500
Se	0.12	6.0
Si	1.00	50.0
Ag	0.05	2.5
Na	10.00	500
Sr	1.00	50.0
Tl	0.12	6.0
Sn	1.00	50.0
Ti	1.00	50.0
V	0.50	25.0
Zn	0.50	25.0

LCS and MS Spike Concentrations—As of 08/09/2011

Element	Liquid Concentration(mg/L)	Soil Concentration (mg/kg)
Al	2.00	160
Sb	0.50	40
As	0.12	9.6
Ba	2.00	160
Be	0.05	4.0
Bi	1.00	80
B	1.00	80
Cd	0.051	4.08
Ca	10.0	800
Cr	0.20	16
Co	0.50	40
Cu	0.25	20
Fe	1.00	80
Pb	0.51	40.8
Mg	10.0	800
Mn	0.50	40
Mo	1.00	80
Ni	0.50	40
K	10.0	800
Se	0.12	9.6
Si	1.00	80
Ag	0.05	24
Na	10.0	800
Sr	1.00	80
Tl	0.12	9.6
Sn	1.00	80
Ti	1.00	80
V	0.50	40
Zn	0.50	40

Revised 8/9/11 Soil spike is based on (2x water spike)x(50/1.25), where 50 is the final volume of soil digestate and 1.25 is the nominal digestion weight of 1.25g, except in the case of Ag, where additional Ag is added to the spike.

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D102-540
Certificate Issue Date: June 22, 2018
Expiration Date: January 31, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 030512.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8160	6.36	3960 - 12400	4080 - 12200
Antimony	120	60.9	9.42	0.822 - 121	12.0 - 166
Arsenic	144	135	5.08	112 - 158	94.6 - 176
Barium	469	443	6.77	366 - 521	332 - 554
Beryllium	207	197	5.86	164 - 229	148 - 246
Boron	213	174	12.6	127 - 221	105 - 244
Cadmium	224	204	6.65	169 - 240	153 - 256
Calcium	5190	4830	9.12	3950 - 5700	3510 - 6150
Chromium	138	132	8.56	109 - 155	92.2 - 171
Cobalt	182	179	7.93	151 - 207	134 - 224
Copper	191	184	6.72	155 - 213	138 - 230
Iron	15000	14400	10.7	8770 - 20000	5120 - 23600
Lead	225	216	7.72	178 - 254	159 - 274
Magnesium	2570	2340	6.13	1780 - 2900	1460 - 3230
Manganese	331	323	6.71	266 - 380	242 - 404
Mercury	16.8	13.2	16.0	8.64 - 17.7	7.89 - 18.5
Molybdenum	193	175	2.39	141 - 209	125 - 226
Nickel	163	152	5.95	126 - 178	106 - 197
Potassium	2420	2050	6.31	1440 - 2660	1210 - 2890
Selenium	81.9	74.9	4.13	59.3 - 90.5	47.0 - 103
Silver	57.6	53.9	9.00	43.0 - 64.8	37.8 - 70.0
Sodium	161	149	12.1	111 - 188	57.7 - 241
Strontium	100	96.2	4.04	78.1 - 114	69.0 - 123
Thallium	253	232	3.54	188 - 276	168 - 296

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▪ Certificate of Analysis ▪

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	146	134	10.8	106 - 163	79.5 - 189
Titanium	449	340	7.20	70.2 - 609	44.9 - 711
Uranium	114	113	7.10	85.5 - 140	71.9 - 153
Vanadium	180	172	8.85	137 - 207	126 - 218
Zinc	217	211	6.58	171 - 250	147 - 274

ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8160	80.8	138	-	-
Antimony	120	60.9	50.8	135	-	-
Arsenic	144	135	93.8	184	-	-
Barium	469	443	94.5	158	-	-
Beryllium	207	197	95.0	148	-	-
Boron	213	174	81.8	107	-	-
Cadmium	224	204	91.3	199	-	-
Calcium	5190	4830	93.0	122	-	-
Chromium	138	132	95.5	172	-	-
Cobalt	182	179	98.4	140	-	-
Copper	191	184	96.3	183	-	-
Iron	15000	14400	95.6	133	-	-
Lead	225	216	96.2	204	-	-
Magnesium	2570	2340	91.2	122	-	-
Manganese	331	323	97.6	147	-	-
Mercury	16.8	13.2	78.3	128	-	-
Molybdenum	193	175	90.8	143	-	-
Nickel	163	152	93.1	185	-	-
Potassium	2420	2050	84.7	121	-	-
Selenium	81.9	74.9	91.5	163	-	-

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▪ Certificate of Analysis ▪

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Silver	57.6	53.9	93.6	150	-	-
Sodium	161	149	92.8	105	-	-
Strontium	100	96.2	96.2	90	-	-
Thallium	253	232	91.6	147	-	-
Tin	146	134	92.0	100	-	-
Titanium	449	340	75.6	93	-	-
Uranium	114	113	98.8	35	-	-
Vanadium	180	172	95.4	139	-	-
Zinc	217	211	97.0	180	-	-

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor. The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product.

3. The **QC Performance Acceptance Limits (QC PALs™)**are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Data/Traceability** data include the mean value, percent recovery and number of data points reported by the laboratories in our Proficiency Testing study compared to the Certified Values. In addition, where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. This product is traceable to the lot numbers of its starting materials. All gravimetric and volumetric measurements related to its manufacture are traceable to NIST through an unbroken chain of comparisons.
Traceability Recovery (%) = [(% recovery certified standard)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

6. For additional information on this product such as intended use, instructions for use, level of homogeneity, and safety information, please refer to the provided Instruction Sheet

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller



Quality Officer

Matthew Seebeck



ISO/IEC GUIDE 34:2009 ACCREDITED REFERENCE MATERIAL PRODUCER CERTIFICATE NO. 1539.03

ISO/IEC 17025:2005 ACCREDITED CHEMICAL TESTING LABORATORY CERTIFICATE NO. 1539.02

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Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D105-540
Certificate Issue Date: March 19, 2019
Expiration Date: October 12, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 030512.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8800	8.32	4600 - 13000	4470 - 13100
Antimony	282	147	7.70	6.17 - 289	28.2 - 366
Arsenic	155	143	6.34	119 - 168	100 - 186
Barium	439	415	5.37	343 - 488	311 - 519
Beryllium	192	179	2.78	149 - 210	134 - 224
Boron	216	160	7.08	113 - 208	96.1 - 238
Cadmium	61.5	56.2	0.528	46.6 - 65.9	42.2 - 70.3
Calcium	5190	4960	6.64	4090 - 5840	3610 - 6310
Chromium	104	101	4.75	83.2 - 118	70.5 - 131
Cobalt	196	189	0.500	158 - 219	141 - 236
Copper	65.0	63.1	2.65	53.1 - 73.1	47.3 - 78.9
Iron	15000	15700	8.94	10100 - 21300	6000 - 25400
Lead	126	125	4.77	103 - 146	89.3 - 160
Magnesium	2570	2410	6.26	1860 - 2970	1520 - 3310
Manganese	387	382	5.37	315 - 449	290 - 474
Mercury	7.76	7.61	13.7	5.53 - 9.69	4.57 - 10.7
Molybdenum	120	107	0.500	86.0 - 128	75.5 - 139
Nickel	117	108	0.514	89.5 - 127	75.7 - 141
Potassium	2420	2110	5.62	1500 - 2720	1260 - 2960
Selenium	84.6	77.9	7.10	61.8 - 94.0	49.2 - 107
Silver	34.6	34.3	8.34	27.8 - 40.9	23.6 - 45.1
Sodium	161	145	6.72	106 - 183	54.3 - 235
Strontium	104	104	3.95	85.1 - 123	74.8 - 133
Thallium	123	113	0.500	91.3 - 134	77.1 - 149

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Reference Material

▪ Certificate of Analysis ▪

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	118	107	0.500	83.5 - 130	61.2 - 152
Titanium	512	421	5.80	114 - 728	0.00 - 854
Uranium	103	104	6.18	79.1 - 128	71.9 - 135
Vanadium	87.3	83.7	8.55	66.8 - 101	54.2 - 113
Zinc	251	240	3.98	194 - 285	168 - 312

ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8800	87.1	193	-	-
Antimony	282	147	52.3	216	-	-
Arsenic	155	143	92.5	240	-	-
Barium	439	415	94.6	222	-	-
Beryllium	192	179	93.4	220	-	-
Boron	216	160	74.2	152	-	-
Cadmium	61.5	56.2	91.5	239	-	-
Calcium	5190	4960	95.6	175	-	-
Chromium	104	101	96.8	237	-	-
Cobalt	196	189	96.2	215	-	-
Copper	65.0	63.1	97.1	237	-	-
Iron	15000	15700	105	195	-	-
Lead	126	125	99.0	243	-	-
Magnesium	2570	2410	93.9	177	-	-
Manganese	387	382	98.7	215	-	-
Mercury	7.76	7.61	98.0	157	-	-
Molybdenum	120	107	89.4	216	-	-
Nickel	117	108	92.5	235	-	-
Potassium	2420	2110	87.2	181	-	-
Selenium	84.6	77.9	92.1	231	-	-

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Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Silver	34.6	34.3	99.3	216	-	-
Sodium	161	145	89.8	166	-	-
Strontium	104	104	99.9	148	-	-
Thallium	123	113	91.8	215	-	-
Tin	118	107	90.4	164	-	-
Titanium	512	421	82.2	157	-	-
Uranium	103	104	101	61	-	-
Vanadium	87.3	83.7	95.9	214	-	-
Zinc	251	240	95.5	234	-	-

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this reference material during the period of validity of this certificate.

2. The **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor. The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product.

3. The **QC Performance Acceptance Limits (QC PALs™)**are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Data/Traceability** data include the mean value, percent recovery and number of data points reported by the laboratories in our Proficiency Testing study compared to the Certified Values. In addition, where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. This product is traceable to the lot numbers of its starting materials. All gravimetric and volumetric measurements related to its manufacture are traceable to NIST through an unbroken chain of comparisons.
Traceability Recovery (%) = [(% recovery certified standard)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

6. For additional information on this product such as intended use, instructions for use, level of homogeneity, and safety information, please refer to the provided Instruction Sheet

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Brian Miller

Quality Officer

Matthew Seebeck

ACCREDITED ACCREDITED

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Certified Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D109-540
Certificate Issue Date: March 24, 2020
Expiration Date: October 03, 2023
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 090119.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8130	2.54	3920 - 12300	4060 - 12200
Antimony	259	134	5.03	4.56 - 264	25.9 - 335
Arsenic	171	156	3.38	129 - 183	109 - 203
Barium	253	239	4.81	197 - 280	179 - 298
Beryllium	179	169	6.59	141 - 198	127 - 212
Boron	114	87.5	10.3	62.5 - 113	52.5 - 125
Cadmium	149	137	5.43	113 - 160	103 - 171
Calcium	5190	4760	3.48	3890 - 5640	3460 - 6070
Chromium	163	154	3.79	126 - 181	108 - 200
Cobalt	127	121	5.07	101 - 141	90.8 - 151
Copper	57.0	54.9	4.13	46.1 - 63.6	41.1 - 68.6
Iron	15000	14100	6.27	8470 - 19700	4920 - 23200
Lead	133	130	3.00	107 - 152	93.3 - 167
Magnesium	2570	2320	3.32	1760 - 2880	1440 - 3200
Manganese	277	269	2.67	221 - 317	199 - 340
Mercury	21.6	20.5	7.72	14.7 - 26.3	12.3 - 28.6
Molybdenum	108	95.4	2.61	76.4 - 114	66.9 - 124
Nickel	58.7	53.9	4.97	44.5 - 63.3	37.7 - 70.0
Potassium	2420	2020	3.06	1410 - 2630	1190 - 2850
Selenium	181	167	5.63	132 - 201	113 - 221
Silver	35.5	33.6	5.20	26.8 - 40.3	23.0 - 44.1
Sodium	161	133	2.76	95.1 - 171	46.5 - 220
Strontium	89.7	87.9	4.59	71.7 - 104	62.8 - 113
Thallium	121	112	5.19	90.3 - 133	76.1 - 147

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Certified Reference Material

▪ Certificate of Analysis ▪

Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	83.5	74.0	5.42	57.6 - 90.4	39.7 - 108
Titanium	474	333	7.17	48.6 - 617	46.3 - 620
Uranium	51.9	51.9	3.36	39.6 - 64.3	35.9 - 68.0
Vanadium	68.1	62.6	6.00	49.4 - 75.8	37.0 - 88.3
Zinc	165	158	2.34	128 - 188	111 - 205

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ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number[6]	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8130	80.5	196	-	-
Antimony	259	134	51.8	217	-	-
Arsenic	171	156	91.3	243	-	-
Barium	253	239	94.3	230	-	-
Beryllium	179	169	94.6	223	-	-
Boron	114	87.5	76.7	150	-	-
Cadmium	149	137	91.8	249	-	-
Calcium	5190	4760	91.8	184	-	-
Chromium	163	154	94.4	245	-	-
Cobalt	127	121	95.3	221	-	-
Copper	57.0	54.9	96.2	243	-	-
Iron	15000	14100	93.9	199	-	-
Lead	133	130	97.7	251	-	-
Magnesium	2570	2320	90.1	182	-	-
Manganese	277	269	97.2	220	-	-
Mercury	21.6	20.5	94.7	172	-	-
Molybdenum	108	95.4	88.3	218	-	-
Nickel	58.7	53.9	91.8	242	-	-
Potassium	2420	2020	83.5	187	-	-
Selenium	181	167	92.2	235	-	-
Silver	35.5	33.6	94.5	222	-	-
Sodium	161	133	82.7	177	-	-
Strontium	89.7	87.9	98.0	151	-	-
Thallium	121	112	92.2	219	-	-
Tin	83.5	74.0	88.6	170	-	-
Titanium	474	333	70.3	157	-	-
Uranium	51.9	51.9	100	60	-	-
Vanadium	68.1	62.6	91.9	213	-	-
Zinc	165	158	95.8	238	-	-

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1. The **Certified Values** are the actual gravimetric/volumetric "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor (k=2). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:
$U_{expanded} = k * SQRT((U_{char}^2) + (U_{homogen}^2) + (U_{LTS}^2) + (U_{STS}^2) + (U_{RSS}^2))$

Where:

$U_{expanded}$ = Expanded uncertainty.
k = Coverage factor.
U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.
$U_{homogen}$ = Standard uncertainty of the homogeneity assessment.
U_{LTS} = Standard uncertainty associated with long-term stability.
U_{STS} = Standard uncertainty associated with short-term (transport) stability.
U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this certified reference material alongside USEPA and NELAC compliant PT study materials. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and therefore, the acceptance limits of this certified reference material and any PT study material may differ relative to their difference in concentrations.

5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated internally by ERA.

6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = [(% recovery ERA certified reference material)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing this ERA certified reference material and/or it's associated stock solution(s) against the applicable NIST SRMs.

7. The **Reference Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The **Reference Values** represent the expected performance for the analytes in this standard. ERA recommends using the **Reference Values** when assessing or evaluating your results.

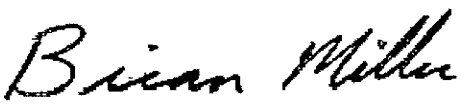
8. **Metrological Traceability**. This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.

9. For additional information on this product such as intended use, storage information, instructions for use, minimum sample size, and safety information, please refer to the Product Use Instructions provided.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller



Quality Officer

Matthew Seebeck



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Certified Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D113-540
Certificate Issue Date: March 23, 2021
Expiration Date: October 13, 2024
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 090119.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8630	12.0	4420 - 12800	4370 - 12900
Antimony	256	129	16.8	0.742 - 257	25.6 - 323
Arsenic	91.6	84.5	15.1	70.0 - 99.0	59.2 - 110
Barium	259	249	9.94	206 - 292	187 - 311
Beryllium	175	163	3.89	135 - 191	122 - 204
Boron	95.7	76.7	12.8	55.7 - 97.7	48.0 - 107
Cadmium	107	99.0	11.5	82.2 - 116	74.2 - 124
Calcium	5190	4760	11.8	3890 - 5640	3460 - 6070
Chromium	129	122	14.6	101 - 144	85.7 - 159
Cobalt	63.6	61.7	11.5	51.9 - 71.6	46.3 - 77.2
Copper	62.3	61.5	12.3	51.9 - 71.0	46.1 - 76.8
Iron	15000	14500	15.7	8860 - 20100	5190 - 23800
Lead	122	123	13.9	103 - 144	88.3 - 158
Lithium	6.42	7.30	18.7	5.13 - 9.48	3.20 - 11.4
Magnesium	2570	2360	8.87	1810 - 2920	1480 - 3250
Manganese	470	456	13.4	375 - 538	350 - 563
Mercury	22.1	18.9	14.5	13.0 - 24.8	11.3 - 26.4
Molybdenum	80.1	72.8	11.0	58.7 - 87.0	50.5 - 95.2
Nickel	143	135	14.2	112 - 158	94.7 - 176
Potassium	2420	2090	8.21	1480 - 2700	1240 - 2940
Selenium	128	121	11.7	96.9 - 146	80.4 - 162
Silver	45.4	44.1	6.69	35.5 - 52.8	30.7 - 57.6
Sodium	161	136	9.34	97.4 - 174	48.1 - 223
Strontium	82.2	82.3	8.42	67.4 - 97.1	58.6 - 106

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Certified Reference Material

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Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Thallium	154	144	7.54	117 - 171	101 - 187
Tin	89.7	79.8	14.0	62.2 - 97.4	43.5 - 116
Titanium	705	546	10.3	123 - 969	118 - 974
Uranium	29.5	30.9	3.38	23.9 - 37.9	21.3 - 40.5
Vanadium	196	186	14.2	148 - 224	138 - 235
Zinc	307	295	10.4	240 - 351	207 - 384

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Product: Metals in Soil
Catalog Number: 540
Lot No. D123-540
Certificate Issue Date: September 29, 2023
Expiration Date: June 01, 2027
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 111122.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	7680	6780	7.45	3590 - 9980	3240 - 10300
Antimony	257	127	7.67	D.L. - 255	25.7 - 318
Arsenic	360	311	5.66	254 - 368	218 - 405
Barium	332	304	10.3	249 - 359	228 - 380
Beryllium	183	169	2.30	140 - 198	127 - 211
Boron	320	229	8.37	159 - 300	138 - 352
Cadmium	238	212	2.84	175 - 250	159 - 265
Calcium	5490	5170	7.20	4240 - 6090	3770 - 6560
Chromium	199	180	7.49	146 - 213	126 - 234
Cobalt	88.7	81.6	14.9	67.9 - 95.4	61.2 - 102
Copper	227	205	23.1	170 - 240	154 - 256
Iron	7360	6510	7.13	3760 - 9260	736 - 13200
Lead	100	92.8	17.9	75.9 - 110	65.0 - 121
Lithium	146	132	6.88	82.7 - 182	92.0 - 172
Magnesium	1900	1700	6.98	1280 - 2110	946 - 2450
Manganese	591	531	12.5	429 - 633	410 - 652
Mercury	14.4	11.9	8.30	7.99 - 15.7	7.12 - 16.6
Molybdenum	155	136	2.46	108 - 163	96.1 - 175
Nickel	342	313	7.24	258 - 368	219 - 407
Potassium	1500	1370	6.70	991 - 1750	713 - 2030
Selenium	170	165	4.43	133 - 197	112 - 218
Silver	88.6	82.4	6.61	65.5 - 99.2	58.5 - 106
Sodium	527	486	7.85	361 - 611	289 - 683
Strontium	148	136	8.52	109 - 163	98.7 - 173

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Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Thallium	226	205	4.43	166 - 245	148 - 263
Tin	85.2	75.4	3.97	58.7 - 92.1	40.6 - 110
Titanium	382	306	8.28	77.0 - 535	98.3 - 514
Uranium	46.5	47.2	5.32	36.2 - 58.2	28.6 - 65.8
Vanadium	118	103	7.76	80.3 - 126	70.0 - 136
Zinc	183	166	6.60	133 - 200	117 - 216

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ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number[6]	Recovery
	mg/kg	mg/kg	%			%
Aluminum	7680	6780	88.3	109	-	-
Antimony	257	127	49.3	117	-	-
Arsenic	360	311	86.5	145	-	-
Barium	332	304	91.6	129	-	-
Beryllium	183	169	92.4	121	-	-
Boron	320	229	71.6	84	-	-
Cadmium	238	212	89.2	163	-	-
Calcium	5490	5170	94.1	97	-	-
Chromium	199	180	90.4	145	-	-
Cobalt	88.7	81.6	92.0	121	-	-
Copper	227	205	90.3	151	-	-
Iron	7360	6510	88.5	110	-	-
Lead	100	92.8	92.8	161	-	-
Lithium	146	132	90.6	35	-	-
Magnesium	1900	1700	89.4	100	-	-
Manganese	591	531	89.8	125	-	-
Mercury	14.4	11.9	82.4	95	-	-
Molybdenum	155	136	87.5	120	-	-
Nickel	342	313	91.5	150	-	-
Potassium	1500	1370	91.3	99	-	-
Selenium	170	165	97.0	132	-	-
Silver	88.6	82.4	93.0	124	-	-
Sodium	527	486	92.2	100	-	-
Strontium	148	136	91.9	84	-	-
Thallium	226	205	90.8	117	-	-
Tin	85.2	75.4	88.5	90	-	-
Titanium	382	306	80.1	87	-	-
Uranium	46.5	47.2	102	30	-	-
Vanadium	118	103	87.4	119	-	-
Zinc	183	166	91.0	146	-	-

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1. The **Certified Values** are the actual gravimetric/volumetric "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor (k=2). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:
$U_{expanded} = k * SQRT((U_{char}^2) + (U_{homogen}^2) + (U_{LTS}^2) + (U_{STS}^2) + (U_{RSS}^2))$

Where:

$U_{expanded}$ = Expanded uncertainty.
k = Coverage factor.
U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.
$U_{homogen}$ = Standard uncertainty of the homogeneity assessment.
U_{LTS} = Standard uncertainty associated with long-term stability.
U_{STS} = Standard uncertainty associated with short-term (transport) stability.
U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this certified reference material alongside USEPA and NELAC compliant PT study materials. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and therefore, the acceptance limits of this certified reference material and any PT study material may differ relative to their difference in concentrations.

5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated internally by ERA.

6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = [(% recovery ERA certified reference material)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing this ERA certified reference material and/or it's associated stock solution(s) against the applicable NIST SRMs.

7. The **Reference Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The **Reference Values** represent the expected performance for the analytes in this standard. ERA recommends using the **Reference Values** when assessing or evaluating your results.

8. **Metrological Traceability**. This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.

9. For additional information on this product such as intended use, storage information, instructions for use, minimum sample size, and safety information, please refer to the Product Use Instructions provided.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to era_info@waters.com.

This Certificate of Analysis is authorized by Waters ERA, Quality and Technical departments.

16341 Table Mountain Pkwy ▪ Golden, CO 80403 ▪ T: 800.372.0122 ▪ 303.431.8454 ▪ www.eraqc.com

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D126-540
Certificate Issue Date: June 25, 2024
Expiration Date: January 17, 2028
Revision Number: 1.0
Revision Date: February 28, 2025

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 111122.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	7680	6840	17.4	3640 - 10000	3280 - 10400
Antimony	250	131	7.92	5.96 - 256	25.0 - 328
Arsenic	229	192	15.3	156 - 228	135 - 252
Barium	244	219	20.5	179 - 259	164 - 274
Beryllium	165	146	6.80	120 - 172	110 - 183
Boron	255	175	13.9	119 - 231	105 - 280
Cadmium	134	114	6.45	93.1 - 135	85.5 - 147
Calcium	4280	4080	14.7	3360 - 4800	2930 - 5240
Chromium	172	153	13.9	124 - 182	107 - 199
Cobalt	253	231	19.3	192 - 271	174 - 289
Copper	99.6	91.2	17.6	75.8 - 107	68.4 - 114
Iron	7360	7020	21.4	4260 - 9770	736 - 13800
Lead	153	141	18.2	115 - 167	102 - 180
Lithium	104	96.1	13.2	60.8 - 131	68.1 - 124
Magnesium	2060	1900	16.9	1450 - 2350	1110 - 2690
Manganese	442	401	19.4	324 - 477	305 - 497
Mercury	15.9	14.1	7.72	9.82 - 18.4	8.45 - 19.7
Molybdenum	165	144	6.21	115 - 173	102 - 186
Nickel	165	143	14.5	117 - 170	100 - 187
Potassium	1950	1760	15.6	1270 - 2250	999 - 2520
Selenium	107	94.7	9.78	74.3 - 115	61.2 - 128
Silver	83.9	77.0	10.1	61.1 - 92.9	54.6 - 99.4
Sodium	732	661	15.6	487 - 834	409 - 913

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Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Strontium	222	191	15.0	151 - 232	140 - 244
Thallium	208	183	6.96	147 - 219	131 - 235
Tin	111	99.0	10.8	77.2 - 121	56.1 - 142
Titanium	422	353	19.9	99.4 - 606	128 - 577
Uranium	20.9	20.0	13.9	15.1 - 25.0	8.44 - 31.6
Vanadium	179	159	13.9	125 - 194	116 - 203
Zinc	327	292	5.83	233 - 351	204 - 379

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ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number[6]	Recovery
	mg/kg	mg/kg	%			%
Aluminum	7680	6840	89.0	135	-	-
Antimony	250	131	52.5	145	-	-
Arsenic	229	192	84.0	242	-	-
Barium	244	219	89.7	165	-	-
Beryllium	165	146	88.7	153	-	-
Boron	255	175	68.5	109	-	-
Cadmium	134	114	85.1	243	-	-
Calcium	4280	4080	95.4	119	-	-
Chromium	172	153	89.2	185	-	-
Cobalt	253	231	91.5	144	-	-
Copper	99.6	91.2	91.6	238	-	-
Iron	7360	7020	95.3	133	-	-
Lead	153	141	92.2	255	-	-
Lithium	104	96.1	92.4	45	-	-
Magnesium	2060	1900	92.3	122	-	-
Manganese	442	401	90.7	143	-	-
Mercury	15.9	14.1	88.6	148	-	-
Molybdenum	165	144	87.2	145	-	-
Nickel	165	143	86.9	232	-	-
Potassium	1950	1760	90.2	128	-	-
Selenium	107	94.7	88.5	167	-	-
Silver	83.9	77.0	91.8	157	-	-
Sodium	732	661	90.3	117	-	-
Strontium	222	191	86.2	92	-	-
Thallium	208	183	88.0	147	-	-
Tin	111	99.0	89.1	102	-	-
Titanium	422	353	83.6	90	-	-
Uranium	20.9	20.0	95.9	31	-	-
Vanadium	179	159	89.0	146	-	-
Zinc	327	292	89.3	233	-	-

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▪ Certificate of Analysis ▪

1. The **Certified Values** are the actual gravimetric/volumetric "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor (k=2). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:
$U_{expanded} = k * SQRT((U_{char}^2) + (U_{homogen}^2) + (U_{LTS}^2) + (U_{STS}^2) + (U_{RSS}^2))$

Where:

$U_{expanded}$ = Expanded uncertainty.
k = Coverage factor.
U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.
$U_{homogen}$ = Standard uncertainty of the homogeneity assessment.
U_{LTS} = Standard uncertainty associated with long-term stability.
U_{STS} = Standard uncertainty associated with short-term (transport) stability.
U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this certified reference material alongside USEPA and NELAC compliant PT study materials. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and therefore, the acceptance limits of this certified reference material and any PT study material may differ relative to their difference in concentrations.

5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated internally by ERA.

6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = [(% recovery ERA certified reference material)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing this ERA certified reference material and/or it's associated stock solution(s) against the applicable NIST SRMs.

7. The **Reference Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The **Reference Values** represent the expected performance for the analytes in this standard. ERA recommends using the **Reference Values** when assessing or evaluating your results.

8. **Metrological Traceability.** This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.

9. For additional information on this product such as intended use, storage information, instructions for use, minimum sample size, and safety information, please refer to the Product Use Instructions provided.

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Calculation of 6010B Metals

Aqueous Samples

The instrument will calculate the concentration (µg/L). This value is divided by 1000 to convert the units to mg/L. If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

$$\text{Result, mg/L} = C_s \times (1\text{mg}/1000\mu\text{g}) \times (DF)$$

Where:

C_s = Concentration of sample (µg/L)

DF = Dilution Factor

Soil or Solid Samples

Soil samples are calculated as follows:

$$\text{Result, mg/Kg} = \frac{C_s \times (1\text{mg}/1000\mu\text{g}) \times (DF)}{A}$$

Where:

C_s = Concentration of sample (µg/L)

DF = Dilution Factor

$$A = \frac{\text{Sample weight (grams)}}{\text{Final Volume (mL)}}$$

Dry weight correction

Dry weight correction is calculated as follows:

$$\text{Final concentration in mg/Kg, dry weight} = \frac{\text{Result, mg/Kg}}{\%_{solids}}$$

Where:

$\%_{solids}$ = Percent Solids, as a decimal value

Sequence Trace 11

11/28/2025 6:47:46 PM

LabBook: WG2147204_11282025T11.imexp

Summary

Index	Label	Rack Number	Vial Numbers	Start Time
1	xBlank LRS Trace11	0	1	11/28/2025 6:12:38 AM
2	Blank LRS Trace11	0	1	11/28/2025 6:14:48 AM
3	ICAL	0	2	11/28/2025 6:16:57 AM
4	ICV	0	3	11/28/2025 6:22:28 AM
5	ICB	0	4	11/28/2025 6:24:44 AM
6	ICV	0	10	11/28/2025 6:26:53 AM
7	ICB	0	4	11/28/2025 6:29:02 AM
8	LLOQ	0	5	11/28/2025 6:31:11 AM
9	ICSA	0	6	11/28/2025 6:33:20 AM
10	SIC Multi (B and Si contamination)	0	7	11/28/2025 6:35:29 AM
11	LDR Check	0	8	11/28/2025 6:37:37 AM
12	LLOQ .005ppm As	1	1	11/28/2025 6:52:13 AM
13	LLOQ .01ppm Ni	1	2	11/28/2025 6:54:33 AM
14	zLLOQ .05ppm	1	3	11/28/2025 6:56:42 AM
15	LDR 5 As Pass	1	4	11/28/2025 6:58:51 AM
16	LDR 10 Sb Pass	1	5	11/28/2025 7:01:00 AM
17	CCV	0	3	11/28/2025 7:05:08 AM
18	CCB	0	4	11/28/2025 7:07:17 AM
19	WG2146092-1 WG2146092	1	6	11/28/2025 7:19:52 AM
20	WG2146092-2D2 WG2146092	1	7	11/28/2025 7:22:07 AM
21	L2574897-01D2 WG2146092	1	18	11/28/2025 7:24:16 AM
22	L2574897-02D2 WG2146092	1	19	11/28/2025 7:26:25 AM
23	L2574897-03D2 WG2146092	1	20	11/28/2025 7:28:34 AM
24	L2574898-13D2 WG2146092	1	8	11/28/2025 7:30:42 AM
25	WG2146092-3D2 WG2146092	1	9	11/28/2025 7:32:51 AM
26	WG2146092-4D2 WG2146092	1	10	11/28/2025 7:35:00 AM
27	WG2146092-5D2 WG2146092	1	11	11/28/2025 7:37:09 AM
28	WG2146092-6D10 WG2146092	1	12	11/28/2025 7:39:18 AM
29	CCV	0	3	11/28/2025 7:41:27 AM
30	CCB	0	4	11/28/2025 7:43:36 AM
31	L2574897-04D2 WG2146092	1	21	11/28/2025 7:46:01 AM
32	L2574897-05D2 WG2146092	1	22	11/28/2025 7:48:10 AM
33	L2574897-06D2 WG2146092	1	23	11/28/2025 7:50:18 AM
34	L2574898-01D2 WG2146092	1	24	11/28/2025 7:52:27 AM
35	L2574898-02D2 WG2146092	1	25	11/28/2025 7:54:36 AM
36	L2574898-14D2 WG2146092	1	13	11/28/2025 7:56:45 AM
37	WG2146092-7D2 WG2146092	1	14	11/28/2025 7:58:54 AM
38	WG2146092-8D2 WG2146092	1	15	11/28/2025 8:01:03 AM
39	WG2146092-9D2 WG2146092	1	16	11/28/2025 8:03:12 AM
40	WG2146092-10D10 WG2146092	1	17	11/28/2025 8:05:22 AM
41	CCV	0	3	11/28/2025 8:07:31 AM
42	CCB	0	4	11/28/2025 8:09:40 AM
43	L2574898-03D2 WG2146092	1	26	11/28/2025 8:16:08 AM
44	L2574898-04D2 WG2146092	1	27	11/28/2025 8:18:23 AM
45	L2574898-05D2 WG2146092	1	28	11/28/2025 8:20:32 AM
46	L2574898-06D2 WG2146092	1	29	11/28/2025 8:22:41 AM
47	L2574898-07D2 WG2146092	1	30	11/28/2025 8:24:50 AM
48	L2574898-08D2 WG2146092	1	31	11/28/2025 8:26:59 AM
49	L2574898-09D2 WG2146092	1	32	11/28/2025 8:29:08 AM
50	L2574898-10D2 WG2146092	1	33	11/28/2025 8:31:17 AM
51	L2574898-11D2 WG2146092	1	34	11/28/2025 8:33:26 AM
52	L2574898-12D2 WG2146092	1	35	11/28/2025 8:35:35 AM
53	CCV	0	3	11/28/2025 8:37:44 AM
54	CCB	0	4	11/28/2025 8:39:54 AM
55	LDR 300 Fe Pass	1	37	11/28/2025 8:43:14 AM
56	L2574361-15D2 WG2146097	1	36	11/28/2025 8:53:19 AM
57	L2575694-06D2 WG2147040	1	48	11/28/2025 8:56:22 AM
58	CCV	0	3	11/28/2025 8:58:32 AM
59	CCB	0	4	11/28/2025 9:00:41 AM
60	WG2147040-1 WG2147040	1	38	11/28/2025 9:31:19 AM
61	WG2147040-2D2 WG2147040	1	39	11/28/2025 9:33:39 AM
62	WG2147040-3D2 WG2147040	1	40	11/28/2025 9:35:49 AM
63	L2575694-01D2 WG2147040	1	46	11/28/2025 9:37:58 AM
64	L2575694-02D2 WG2147040	1	47	11/28/2025 9:40:08 AM
65	L2575694-03D2 WG2147040	1	41	11/28/2025 9:42:17 AM
66	zWG2147040-4D2 WG2147040	1	42	11/28/2025 9:44:27 AM
67	WG2147040-5D2 WG2147040	1	43	11/28/2025 9:46:36 AM

Sequence Trace 11

11/28/2025 6:47:46 PM

Index	Label	Rack Number	Vial Numbers	Start Time
68	WG2147040-6D2 WG2147040	1	44	11/28/2025 9:48:45 AM
69	WG2147040-7D10 WG2147040	1	45	11/28/2025 9:50:55 AM
70	CCV	0	3	11/28/2025 9:53:04 AM
71	CCB	0	4	11/28/2025 9:55:14 AM
72	L2571841-01 WG2143049	1	49	11/28/2025 11:14:51 AM
73	L2571841-02 WG2143049	1	50	11/28/2025 11:17:12 AM
74	L2571841-03 WG2143049	1	51	11/28/2025 11:19:21 AM
75	L2571841-04 WG2143049	1	52	11/28/2025 11:21:30 AM
76	L2571841-05 WG2143049	1	53	11/28/2025 11:23:40 AM
77	L2571841-06 WG2143049	1	54	11/28/2025 11:25:49 AM
78	L2571998-09 WG2143049	1	55	11/28/2025 11:27:59 AM
79	L2571998-10 WG2143049	1	56	11/28/2025 11:30:09 AM
80	L2574432-01D2 WG2145767	1	57	11/28/2025 11:39:15 AM
81	L2574432-02D2 WG2145767	1	58	11/28/2025 11:41:31 AM
82	CCV	0	3	11/28/2025 11:50:49 AM
83	CCB	0	4	11/28/2025 11:53:09 AM
84	L2574432-03D2 WG2145767	1	59	11/28/2025 11:59:04 AM
85	L2574432-04D2 WG2145767	1	60	11/28/2025 12:01:22 PM
86	L2574432-05D2 WG2145767	2	1	11/28/2025 12:03:32 PM
87	L2574432-06D2 WG2145767	2	2	11/28/2025 12:05:41 PM
88	L2574432-07D2 WG2145767	2	3	11/28/2025 12:07:51 PM
89	L2574432-08D2 WG2145767	2	4	11/28/2025 12:10:01 PM
90	L2574432-09D2 WG2145767	2	5	11/28/2025 12:12:10 PM
91	eL2574432-10D2 WG2145767	2	6	11/28/2025 12:14:20 PM
92	L2574432-11D2 WG2145767	2	7	11/28/2025 12:16:30 PM
93	L2574497-01D2 WG2145767	2	8	11/28/2025 12:18:39 PM
94	CCV	0	3	11/28/2025 12:29:22 PM
95	CCB	0	4	11/28/2025 12:31:43 PM
96	CCV	0	3	11/28/2025 12:47:08 PM
97	CCB	0	4	11/28/2025 12:49:29 PM
98	L2574497-02D2 WG2145767	2	9	11/28/2025 12:52:38 PM
99	L2574497-03D2 WG2145767	2	10	11/28/2025 12:54:48 PM
100	WG2147040-4D2 WG2147040	2	11	11/28/2025 12:56:58 PM
101	LDR 1000 Ca	2	12	11/28/2025 12:59:08 PM
102	L2574432-10D10 WG2145767	2	13	11/28/2025 1:09:45 PM
103	L2574497-02D4 WG2145767	2	14	11/28/2025 1:12:06 PM
104	CCV	0	3	11/28/2025 1:18:30 PM
105	CCB	0	4	11/28/2025 1:20:46 PM
106	WG2146050-1 WG2146050	2	15	11/28/2025 1:23:03 PM
107	WG2146050-2D2 WG2146050	2	16	11/28/2025 1:25:13 PM
108	eL2573385-01D2 WG2146050	2	17	11/28/2025 1:27:23 PM
109	eWG2146050-7D2 WG2146050	2	18	11/28/2025 1:29:33 PM
110	eWG2146050-8D2 WG2146050	2	19	11/28/2025 1:31:42 PM
111	eWG2146050-9D2 WG2146050	2	20	11/28/2025 1:33:52 PM
112	zWG2146050-10D10 WG2146050	2	21	11/28/2025 1:36:02 PM
113	CCV	0	3	11/28/2025 1:51:28 PM
114	CCB	0	4	11/28/2025 1:53:48 PM
115	L2573385-01D10 WG2146050	2	22	11/28/2025 2:08:06 PM
116	WG2146050-7D10 WG2146050	2	23	11/28/2025 2:10:23 PM
117	WG2146050-8D10 WG2146050	2	24	11/28/2025 2:12:33 PM
118	WG2146050-9D10 WG2146050	2	25	11/28/2025 2:14:43 PM
119	WG2146050-10D50 WG2146050	2	26	11/28/2025 2:16:53 PM
120	eL2573385-02D2 WG2146050	2	27	11/28/2025 2:19:02 PM
121	eL2574361-01D2 WG2146050	2	28	11/28/2025 2:21:12 PM
122	L2574361-02D2 WG2146050	2	29	11/28/2025 2:23:22 PM
123	L2574361-03D2 WG2146050	2	30	11/28/2025 2:25:31 PM
124	L2574361-04D2 WG2146050	2	31	11/28/2025 2:27:41 PM
125	CCV	0	3	11/28/2025 2:29:51 PM
126	CCB	0	4	11/28/2025 2:32:01 PM
127	L2574361-05D2 WG2146050	2	32	11/28/2025 2:35:35 PM
128	L2574432-12D2 WG2146050	2	33	11/28/2025 2:37:49 PM
129	L2573385-02D10 WG2146050	2	34	11/28/2025 2:39:59 PM
130	L2574361-01D4 WG2146050	2	35	11/28/2025 2:42:09 PM
131	eL2572667-15D2 WG2146050	2	36	11/28/2025 2:49:16 PM
132	WG2146050-3d10 WG2146050	2	37	11/28/2025 3:19:47 PM
133	L2572667-15d10 WG2146050	2	38	11/28/2025 3:22:41 PM
134	WG2146050-4D10 WG2146050	2	39	11/28/2025 3:24:56 PM
135	WG2146050-5D10 WG2146050	2	40	11/28/2025 3:27:06 PM
136	WG2146050-6D50 WG2146050	2	41	11/28/2025 3:29:16 PM
137	CCV	0	3	11/28/2025 3:31:26 PM
138	CCB	0	4	11/28/2025 3:33:36 PM
139	WG2147181-1 WG2147181	2	42	11/28/2025 3:48:33 PM
140	WG2147181-2 WG2147181	2	43	11/28/2025 3:50:54 PM

Sequence Trace 11

11/28/2025 6:47:46 PM

Index	Label	Rack Number	Vial Numbers	Start Time
141	L2575346-01 WG2147181	2	49	11/28/2025 3:53:04 PM
142	L2575346-02 WG2147181	2	50	11/28/2025 3:55:14 PM
143	L2575359-01 WG2147181	2	51	11/28/2025 3:57:24 PM
144	L2575402-01 WG2147181	2	44	11/28/2025 3:59:34 PM
145	WG2147181-3 WG2147181	2	45	11/28/2025 4:01:45 PM
146	WG2147181-4 WG2147181	2	46	11/28/2025 4:03:55 PM
147	WG2147181-5 WG2147181	2	47	11/28/2025 4:06:05 PM
148	WG2147181-6D5 WG2147181	2	48	11/28/2025 4:08:15 PM
149	CCV	0	3	11/28/2025 4:10:26 PM
150	CCB	0	4	11/28/2025 4:12:36 PM
151	WG2147184-1 WG2147184	2	52	11/28/2025 4:25:43 PM
152	WG2147184-2d2 WG2147184	2	53	11/28/2025 4:28:05 PM
153	L2575492-01d2 WG2147184	2	54	11/28/2025 4:30:15 PM
154	WG2147184-3d2 WG2147184	2	55	11/28/2025 4:32:25 PM
155	WG2147184-4d2 WG2147184	2	56	11/28/2025 4:34:35 PM
156	WG2147184-5d2 WG2147184	2	57	11/28/2025 4:36:45 PM
157	WG2147184-6d10 WG2147184	2	58	11/28/2025 4:38:55 PM
158	L2575492-02d2 WG2147184	2	59	11/28/2025 4:41:06 PM
159	L2575492-03d2 WG2147184	2	60	11/28/2025 4:43:16 PM
160	L2575492-04d2 WG2147184	3	1	11/28/2025 4:45:26 PM
161	CCV	0	3	11/28/2025 4:47:36 PM
162	CCB	0	4	11/28/2025 4:49:46 PM
163	xWG2147184-1 WG2147184	2	52	11/28/2025 5:01:29 PM
164	L2575492-05d2 WG2147184	3	2	11/28/2025 5:03:51 PM
165	L2575492-06d2 WG2147184	3	3	11/28/2025 5:06:01 PM
166	L2575492-07d2 WG2147184	3	4	11/28/2025 5:08:11 PM
167	L2575492-08d2 WG2147184	3	5	11/28/2025 5:10:22 PM
168	CCV	0	3	11/28/2025 5:12:33 PM
169	CCB	0	4	11/28/2025 5:14:43 PM
170	WG2145172-1 WG2145172	3	6	11/28/2025 5:18:42 PM
171	WG2145172-2d2 WG2145172	3	7	11/28/2025 5:20:57 PM
172	L2573952-15d2 WG2145172	3	8	11/28/2025 5:23:08 PM
173	WG2145172-3d2 WG2145172	3	9	11/28/2025 5:25:18 PM
174	WG2145172-4d2 WG2145172	3	10	11/28/2025 5:27:28 PM
175	WG2145172-5d2 WG2145172	3	11	11/28/2025 5:29:41 PM
176	WG2145172-6d10 WG2145172	3	12	11/28/2025 5:31:51 PM
177	L2571628-13d2 WG2145172	3	13	11/28/2025 5:34:02 PM
178	L2572956-01d2 WG2145172	3	14	11/28/2025 5:36:12 PM
179	L2573952-01d2 WG2145172	3	15	11/28/2025 5:38:22 PM
180	CCV	0	3	11/28/2025 5:40:32 PM
181	CCB	0	4	11/28/2025 5:42:43 PM
182	WG2145172-1 WG2145172	3	6	11/28/2025 5:48:44 PM
183	L2573952-05d2 WG2145172	3	16	11/28/2025 5:51:03 PM
184	L2573952-13d2 WG2145172	3	17	11/28/2025 5:53:13 PM
185	L2573984-01d2 WG2145172	3	18	11/28/2025 5:55:24 PM
186	L2573984-02d2 WG2145172	3	19	11/28/2025 5:57:35 PM
187	L2573984-03d2 WG2145172	3	20	11/28/2025 5:59:45 PM
188	L2573984-04d2 WG2145172	3	21	11/28/2025 6:01:56 PM
189	L2573984-05d2 WG2145172	3	22	11/28/2025 6:04:06 PM
190	L2573984-06d2 WG2145172	3	23	11/28/2025 6:06:17 PM
191	L2573984-07d2 WG2145172	3	24	11/28/2025 6:08:27 PM
192	CCV	0	3	11/28/2025 6:10:39 PM
193	CCB	0	4	11/28/2025 6:12:50 PM
194	L2573984-08d2 WG2145172	3	25	
195	L2573984-09d2 WG2145172	3	26	
196	L2573984-10d2 WG2145172	3	27	
197	L2573984-11d2 WG2145172	3	28	
198	L2573984-13d2 WG2145172	3	29	
199	L2573984-14d2 WG2145172	3	30	
200	L2573984-15d2 WG2145172	3	31	
201	CCV	0	3	
202	CCB	0	4	

METALS ELN REPORT

Workgroup: WG2146092

Digestion

Prep Method	Acid Type 1	Acid 1 Lot	Acid Type 2	Acid 2 Lot	Spike Type	Lims Spike Lot	Spike Lot	Post Spike Spikelot	Spike Lot	Srm Spikelot	Use Srm For Lcs	Use Srm For	Use Srm For	Use Srm For
EPA 3050B	HCL	24022537	HNO3	24022825	METALS	METSPIKE3	IPS, FPS, MIX	METSPIKE3	IPS, FPS, MIX	NA	N	396,397		

Additional Reagent/Std	H2O2	25F2356537

Sample/ Type	Digestion Date	Analyst	Sample Weight **g**	Balance Id	Spike Amt **ml**	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	**Comments**
L2574897-01 SOIL	11/25/25 02:47	Christine Hamor	1.268	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
L2574897-02 SOIL	11/25/25 02:47	Christine Hamor	1.262	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
L2574897-03 SOIL	11/25/25 02:47	Christine Hamor	1.305	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
L2574897-04 SOIL	11/25/25 02:47	Christine Hamor	1.313	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
L2574897-05 SOIL	11/25/25 02:47	Christine Hamor	1.282	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
L2574897-06 SOIL	11/25/25 02:47	Christine Hamor	1.274	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
L2574898-01 SAMP	11/25/25 02:47	Christine Hamor	1.280	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
L2574898-02 SAMP	11/25/25 02:47	Christine Hamor	1.288	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
L2574898-03 SAMP	11/25/25 02:47	Christine Hamor	1.291	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
L2574898-04 SAMP	11/25/25 02:47	Christine Hamor	1.290	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	

Reported: 28-NOV-25 08:19 PM

Sample/ Type	Digestion Date	Analyst	Sample Weight g	Balance Id	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2574898-05 SAMP	11/25/25 02:47	Christine Hamor	1.310	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
L2574898-06 SAMP	11/25/25 02:47	Christine Hamor	1.292	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
L2574898-07 SAMP	11/25/25 02:47	Christine Hamor	1.287	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
L2574898-08 SAMP	11/25/25 02:47	Christine Hamor	1.316	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
L2574898-09 SAMP	11/25/25 02:47	Christine Hamor	1.304	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
L2574898-10 SAMP	11/25/25 02:47	Christine Hamor	1.287	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
L2574898-11 SAMP	11/25/25 02:47	Christine Hamor	1.324	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
L2574898-12 SAMP	11/25/25 02:47	Christine Hamor	1.275	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
L2574898-13 SAMP	11/25/25 02:47	Christine Hamor	1.309	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
L2574898-14 SAMP	11/25/25 02:47	Christine Hamor	1.300	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
WG2146092-1 BLANK	11/25/25 02:47	Christine Hamor	1.250	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	FM102125AJTV3
WG2146092-2 LCS	11/25/25 02:47	Christine Hamor	1.250	20	1.0	11/25/25 02:47	2082	94.2	11/25/25 04:31	50	Boiling Stones: 33762618

METALS ELN REPORT

Workgroup: WG2146092

Sample/ Type	Digestion Date	Analyst	Sample Weight g	Balance Id	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
WG2146092-3 MS	11/25/25 02:47	Christine Hamor	1.321	20	1.0	11/25/25 02:47	2082	94.2	11/25/25 04:31	50	ELN check: ARM
WG2146092-4 MSD	11/25/25 02:47	Christine Hamor	1.328	20	1.0	11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
WG2146092-5 PS	11/25/25 02:47	Christine Hamor	1.309	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
WG2146092-6 SERDIL	11/25/25 02:47	Christine Hamor	1.309	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
WG2146092-7 MS	11/25/25 02:47	Christine Hamor	1.286	20	1.0	11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
WG2146092-8 MSD	11/25/25 02:47	Christine Hamor	1.293	20	1.0	11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
WG2146092-9 PS	11/25/25 02:47	Christine Hamor	1.300	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	
WG2146092-10 SERDIL	11/25/25 02:47	Christine Hamor	1.300	20		11/25/25 02:47	2082	94.2	11/25/25 04:31	50	IPS101525CBP

Reagent	Actual Volume	Units
Nitric Acid (HNO3)	2	ml
Hydrochloric Acid (HCl)	3	ml

Reported: 28-NOV-25 08:19 PM

Inorganic Data
(Mercury Analysis)

Form 1
METALS

Client	: Pace New England	**Lab Number**	: L2574897
Project Name	: 25K1216	**Project Number**	: 25K1216
Lab ID	: L2574897-01	**Date Collected**	: 11/17/25 15:20
Client ID	: D-3 (0-2IN)	**Date Received**	: 11/21/25
Sample Location	:	**Date Analyzed**	: 11/26/25 12:17
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7471B	**Analyst**	: CME
Lab File ID	: WG2146906.pdf	**Instrument ID**	: NIC2
Sample Amount	: 0.374g	**%Solids**	: 82
Digestion Method	: EPA 7471B	**Date Digested**	: 11/25/25

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.082	0.053	U

Form 1
METALS

Client	: Pace New England	**Lab Number**	: L2574897
Project Name	: 25K1216	**Project Number**	: 25K1216
Lab ID	: L2574897-02	**Date Collected**	: 11/17/25 15:25
Client ID	: D-3 (2-12IN)	**Date Received**	: 11/21/25
Sample Location	:	**Date Analyzed**	: 11/26/25 12:21
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7471B	**Analyst**	: CME
Lab File ID	: WG2146906.pdf	**Instrument ID**	: NIC2
Sample Amount	: 0.388g	**%Solids**	: 87
Digestion Method	: EPA 7471B	**Date Digested**	: 11/25/25

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.074	0.048	U

Form 1
METALS

Client	: Pace New England	**Lab Number**	: L2574897
Project Name	: 25K1216	**Project Number**	: 25K1216
Lab ID	: L2574897-03	**Date Collected**	: 11/17/25 15:50
Client ID	: E-2 (0-2IN)	**Date Received**	: 11/21/25
Sample Location	:	**Date Analyzed**	: 11/26/25 12:31
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7471B	**Analyst**	: CME
Lab File ID	: WG2146906.pdf	**Instrument ID**	: NIC2
Sample Amount	: 0.371g	**%Solids**	: 81
Digestion Method	: EPA 7471B	**Date Digested**	: 11/25/25

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.083	0.054	U

Form 1
METALS

Client	: Pace New England	**Lab Number**	: L2574897
Project Name	: 25K1216	**Project Number**	: 25K1216
Lab ID	: L2574897-04	**Date Collected**	: 11/17/25 15:55
Client ID	: E-2 (2-12IN)	**Date Received**	: 11/21/25
Sample Location	:	**Date Analyzed**	: 11/26/25 12:34
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7471B	**Analyst**	: CME
Lab File ID	: WG2146906.pdf	**Instrument ID**	: NIC2
Sample Amount	: 0.364g	**%Solids**	: 91
Digestion Method	: EPA 7471B	**Date Digested**	: 11/25/25

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.075	0.049	U

Form 1
METALS

Client	: Pace New England	**Lab Number**	: L2574897
Project Name	: 25K1216	**Project Number**	: 25K1216
Lab ID	: L2574897-05	**Date Collected**	: 11/17/25 16:15
Client ID	: E-3 (0-2IN)	**Date Received**	: 11/21/25
Sample Location	:	**Date Analyzed**	: 11/26/25 12:37
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7471B	**Analyst**	: CME
Lab File ID	: WG2146906.pdf	**Instrument ID**	: NIC2
Sample Amount	: 0.367g	**%Solids**	: 82
Digestion Method	: EPA 7471B	**Date Digested**	: 11/25/25

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.083	0.054	U

Form 1
METALS

Client	: Pace New England	**Lab Number**	: L2574897
Project Name	: 25K1216	**Project Number**	: 25K1216
Lab ID	: L2574897-06	**Date Collected**	: 11/17/25 16:20
Client ID	: E-3 (2-12IN)	**Date Received**	: 11/21/25
Sample Location	:	**Date Analyzed**	: 11/26/25 12:41
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7471B	**Analyst**	: CME
Lab File ID	: WG2146906.pdf	**Instrument ID**	: NIC2
Sample Amount	: 0.357g	**%Solids**	: 90
Digestion Method	: EPA 7471B	**Date Digested**	: 11/25/25

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.078	0.051	U

Form 1
METALS

Client	: Pace New England	**Lab Number**	: L2574897
Project Name	: 25K1216	**Project Number**	: 25K1216
Lab ID	: WG2146094-1	**Date Collected**	: NA
Client ID	: WG2146094-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/26/25 11:51
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7471B	**Analyst**	: CME
Lab File ID	: WG2146906.pdf	**Instrument ID**	: NIC2
Sample Amount	: 0.3g	**%Solids**	: NA
Digestion Method	: EPA 7471B	**Date Digested**	: 11/25/25

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.083	0.054	U

Form 2A
Initial and Continuing Calibration Verification

Client	: Pace New England	**Lab Number**	: L2574897
Project Name	: 25K1216	**Project Number**	: 25K1216
Instrument ID	: NIC2	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :	R2041318-1			R2041318-3			R2041318-5			
Date Analyzed :	11/26/25 11:14			11/26/25 12:24			11/26/25 13:04			
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Mercury	0.00300	0.0028	93	0.0100	0.0107	107	0.0106	106		

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)

Form 3
Blanks

Client	: Pace New England	**Lab Number**	: L2574897
Project Name	: 25K1216	**Project Number**	: 25K1216
Instrument ID	: NIC2		

		Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID	:	R2041318-2		R2041318-4		R2041318-6				WG2146094-1	
Date Analyzed	:	11/26/25 11:18		11/26/25 12:27		11/26/25 13:07				11/26/25 11:51	
Parameter		mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q	mg/kg	Q
Mercury		0.000326	U	0.000326	U	0.000326	U			0.054	U

Form 5a
Matrix Spike

Client	: Pace New England	**Lab Number**	: L2574897
Project Name	: 25K1216	**Project Number**	: 25K1216
Client Sample ID	: NA	**Matrix**	: SOIL
Lab Sample ID	: L2574898-13		
Matrix Spike	: WG2146094-3	**MS Analysis Date**	: 11/26/25 12:01
Matrix Spike Dup	: WG2146094-4	**MSD Analysis Date**	: 11/26/25 12:04

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/kg)	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	RPD	Recovery Limits	RPD Limit
Mercury, Total	0.099	1.56	1.60	96	1.57	1.61	96	1	80-120	20

Form 5a
Matrix Spike

Client	: Pace New England	**Lab Number**	: L2574897
Project Name	: 25K1216	**Project Number**	: 25K1216
Client Sample ID	: NA	**Matrix**	: SOIL
Lab Sample ID	: L2574898-14		
Matrix Spike	: WG2146094-5	**MS Analysis Date**	: 11/26/25 12:11
Matrix Spike Dup	: WG2146094-6	**MSD Analysis Date**	: 11/26/25 12:14

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/kg)	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	RPD	Recovery Limits	RPD Limit
Mercury, Total	0.101	1.67	1.77	100	1.52	1.51	92	16	80-120	20

Form 7
Laboratory Control Sample

Client	: Pace New England	**Lab Number**	: L2574897
Project Name	: 25K1216	**Project Number**	: 25K1216
Client Sample ID	: NA	**Matrix**	: SOIL
Lab Sample ID	: WG2146094-2	**LCS Analysis Date**	: 11/26/25 11:54
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/kg)**	**Found (mg/kg)**	**%R**	**True (mg/kg)**	**Found (mg/kg)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Mercury, Total	**1.67**	**1.60**	**96.**					**80-120**	**20**

Form 12
Preparation Log

Client	: Pace New England	**Lab Number**	: L2574897
Project Name	: 25K1216	**Project Number**	: 25K1216
Matrix	: SOIL	**Prep Method**	: EPA 7471B

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2574897-01	11/25/25 03:18	0.37	-
L2574897-02	11/25/25 03:18	0.39	-
L2574897-03	11/25/25 03:18	0.37	-
L2574897-04	11/25/25 03:18	0.36	-
L2574897-05	11/25/25 03:18	0.37	-
L2574897-06	11/25/25 03:18	0.36	-
WG2146094-1	11/25/25 03:18	0.30	-
WG2146094-2	11/25/25 03:18	0.30	-
WG2146094-3	11/25/25 03:18	0.38	-
WG2146094-4	11/25/25 03:18	0.38	-
WG2146094-5	11/25/25 03:18	0.36	-
WG2146094-6	11/25/25 03:18	0.39	-

Form 13
Analysis Run Log

Client	: Pace New England	**Lab Number**	: L2574897
Project Name	: 25K1216	**Project Number**	: 25K1216
Instrument ID	: NIC2	**Analysis Method**	: 1,7471B
Start Date	: 11/26/25 11:14	**End Date**	: 11/26/25 13:07

Sample Number	Dilution Factor	Analysis Time	Mercury, Total
R2041318-1 ICV	1	11:14:44	X
R2041318-2 ICB	1	11:18:03	X
WG2146094-1 BLANK	1	11:51:22	X
WG2146094-2 LCS	1	11:54:41	X
WG2146094-3 MS	1	12:01:21	X
WG2146094-4 MSD	1	12:04:39	X
WG2146094-5 MS	1	12:11:17	X
WG2146094-6 MSD	1	12:14:36	X
L2574897-01	1	12:17:54	X
L2574897-02	1	12:21:14	X
R2041318-3 CCV	1	12:24:33	X
R2041318-4 CCB	1	12:27:51	X
L2574897-03	1	12:31:09	X
L2574897-04	1	12:34:28	X
L2574897-05	1	12:37:46	X
L2574897-06	1	12:41:03	X
R2041318-5 CCV	1	13:04:13	X
R2041318-6 CCB	1	13:07:31	X

Date Created: 03/19/18
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File: PM4631-1
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MERCURY by 7470A, 245.1 (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria	Holding Time	Container/Sample Preservation
Mercury, Total	7439-97-6	0.0002	0.0000915	mg/l	80-120	20	75-125	20	20		28 days	1 - Plastic 500ml HNO3 preserved

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

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METALS by 7470A (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria	Holding Time	Container/Sample Preservation
Mercury, Total	7439-97-6	0.0002	0.0000915	mg/l	80-120		75-125	20	20		28 days	1 - Plastic 500ml HNO3 preserved

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

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METALS by 7471B (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria	Holding Time	Container/Sample Preservation
Mercury, Total	7439-97-6	0.08	0.05216	mg/kg	72-128		80-120	20	20		28 days	Metals Only-Glass 60mL/2oz unpreserv

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

11/26/2025 22:20

Title :
Date : 11/26/2025
Name :

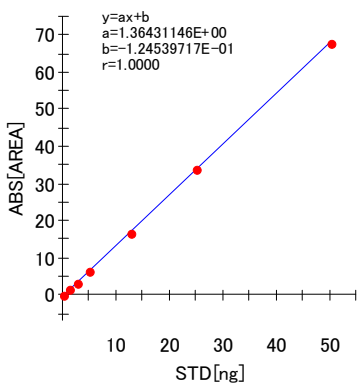
Method

STD
HONH3Cl
(1+1)H2SO4
10w/v% SnCl2

SMP
HONH3Cl
(1+1)H2SO4
10w/v% SnCl2

Measurement Time(sec

Calib



STD

No.	STD [ug/L]	SVOL [mL]	CVOL [mL]	DVOL [mL]	STD [ng]	AREA [ON]	MEAS [ng]	Dev [%]	M. TIME	Note
1	0.000	2.500	2.500	2.500	0.000	-0.0862	0.0281	-	11/26/2025 10:41	CME,NIC2
2	0.500	2.500	2.500	2.500	1.250	1.7384	1.3655	9.2	11/26/2025 10:45	CME,NIC2
3	1.000	2.500	2.500	2.500	2.500	3.3890	2.5753	3.0	11/26/2025 10:48	CME,NIC2
4	2.000	2.500	2.500	2.500	5.000	6.5897	4.9213	1.6	11/26/2025 10:51	CME,NIC2
5	5.000	2.500	2.500	2.500	12.500	16.6684	12.3087	1.5	11/26/2025 10:55	CME,NIC2
6	10.000	2.500	2.500	2.500	25.000	33.9887	25.0040	0.0	11/26/2025 10:58	CME,NIC2
7	20.000	2.500	2.500	2.500	50.000	68.1552	50.0470	0.1	11/26/2025 11:01	CME,NIC2

SMP

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
1	ICV	2.500	2.500	2.500	9.3391	6.9366	2.775	-	11/26/2025 11:14	CME,NIC2
2	ICB	2.500	2.500	2.500	0.1043	0.1677	0.067	-	11/26/2025 11:18	CME,NIC2
3	WG2146094-1 WG2146094	2.500	2.500	2.500	-0.0492	0.0552	0.022	-	11/26/2025 11:51	CME,NIC2
4	WG2146094-2 WG2146094	2.500	2.500	2.500	32.5673	23.9622	9.585	-	11/26/2025 11:54	CME,NIC2
5	L2574898-13 WG2146094	2.500	2.500	2.500	1.9813	1.5435	0.617	-	11/26/2025 11:58	CME,NIC2

NIC NIPPON INSTRUMENTS CORPORATION

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
6	WG2146094-3 WG2146094	2.500	2.500	2.500	34.968	25.7222	10.289	-	11/26/2025 12:01	CME,NIC2
7	WG2146094-4 WG2146094	2.500	2.500	2.500	34.811	25.6072	10.243	-	11/26/2025 12:04	CME,NIC2
8	L2574898-14 WG2146094	2.500	2.500	2.500	2.1218	1.6465	0.659	-	11/26/2025 12:07	CME,NIC2
9	WG2146094-5 WG2146094	2.500	2.500	2.500	35.963	26.4514	10.581	-	11/26/2025 12:11	CME,NIC2
10	WG2146094-6 WG2146094	2.500	2.500	2.500	33.593	24.7140	9.886	-	11/26/2025 12:14	CME,NIC2
11	L2574897-01 WG2146094	2.500	2.500	2.500	0.6456	0.5645	0.226	-	11/26/2025 12:17	CME,NIC2
12	L2574897-02 WG2146094	2.500	2.500	2.500	0.8417	0.7082	0.283	-	11/26/2025 12:21	CME,NIC2
13	Check STD(10ug/L)	2.500	2.500	2.500	36.265	26.6727	10.669	106.7	11/26/2025 12:24	CME,NIC2
14	Check Blank	2.500	2.500	2.500	0.0378	0.1190	0.048	-	11/26/2025 12:27	CME,NIC2
15	L2574897-03 WG2146094	2.500	2.500	2.500	0.5459	0.4914	0.197	-	11/26/2025 12:31	CME,NIC2
16	L2574897-04 WG2146094	2.500	2.500	2.500	0.6853	0.5936	0.237	-	11/26/2025 12:34	CME,NIC2
17	L2574897-05 WG2146094	2.500	2.500	2.500	0.4528	0.4232	0.169	-	11/26/2025 12:37	CME,NIC2
18	L2574897-06 WG2146094	2.500	2.500	2.500	0.3893	0.3766	0.151	-	11/26/2025 12:41	CME,NIC2
19	L2574898-01 WG2146094	2.500	2.500	2.500	0.5794	0.5160	0.206	-	11/26/2025 12:44	CME,NIC2
20	L2574898-02 WG2146094	2.500	2.500	2.500	0.5870	0.5215	0.209	-	11/26/2025 12:47	CME,NIC2
21	L2574898-03 WG2146094	2.500	2.500	2.500	0.4554	0.4251	0.170	-	11/26/2025 12:50	CME,NIC2
22	L2574898-04 WG2146094	2.500	2.500	2.500	0.3579	0.3536	0.141	-	11/26/2025 12:54	CME,NIC2
23	L2574898-05 WG2146094	2.500	2.500	2.500	0.4263	0.4037	0.161	-	11/26/2025 12:57	CME,NIC2
24	L2574898-06 WG2146094	2.500	2.500	2.500	0.2307	0.2604	0.104	-	11/26/2025 13:00	CME,NIC2
25	Check STD(10ug/L)	2.500	2.500	2.500	36.175	26.6066	10.643	106.4	11/26/2025 13:04	CME,NIC2
26	Check Blank	2.500	2.500	2.500	0.0817	0.1512	0.060	-	11/26/2025 13:07	CME,NIC2
27	L2574898-07 WG2146094	2.500	2.500	2.500	0.8399	0.7069	0.283	-	11/26/2025 13:10	CME,NIC2
28	L2574898-08 WG2146094	2.500	2.500	2.500	0.6538	0.5705	0.228	-	11/26/2025 13:14	CME,NIC2
29	L2574898-09 WG2146094	2.500	2.500	2.500	0.8217	0.6936	0.277	-	11/26/2025 13:17	CME,NIC2
30	L2574898-10 WG2146094	2.500	2.500	2.500	0.7428	0.6357	0.254	-	11/26/2025 13:20	CME,NIC2
31	L2574898-11 WG2146094	2.500	2.500	2.500	1.5545	1.2307	0.492	-	11/26/2025 13:24	CME,NIC2
32	L2574898-12 WG2146094	2.500	2.500	2.500	1.8323	1.4343	0.574	-	11/26/2025 13:27	CME,NIC2
33	WG2146623-1 WG2146623	2.500	2.500	2.500	-0.033	0.0668	0.027	-	11/26/2025 14:29	CME,NIC2
34	WG2146623-2 WG2146623	2.500	2.500	2.500	3.5523	2.6950	1.078	-	11/26/2025 14:33	CME,NIC2
35	I2573335-01 WG2146623	2.500	2.500	2.500	0.2096	0.2449	0.098	-	11/26/2025 14:36	CME,NIC2
36	WG2146623-3 WG2146623	2.500	2.500	2.500	3.1417	2.3941	0.958	-	11/26/2025 14:39	CME,NIC2
37	Check STD(10ug/L)	2.500	2.500	2.500	35.723	26.2753	10.510	105.1	11/26/2025 14:43	CME,NIC2

NIC NIPPON INSTRUMENTS CORPORATION

11/26/2025 22:20

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
38	Check Blank	2.500	2.500	2.500	0.1226	0.1811	0.072	-	11/26/2025 14:46	CME,NIC2
39	WG2146623-4 WG2146623	2.500	2.500	2.500	0.1134	0.1744	0.070	-	11/26/2025 14:49	CME,NIC2
40	L2574497-06 WG2146503	2.500	2.500	2.500	0.3012	0.3121	0.125	-	11/26/2025 14:53	CME,NIC2
41	L2574861-02 WG2146503	2.500	2.500	2.500	0.3969	0.3822	0.153	-	11/26/2025 14:56	CME,NIC2
42	L2574861-03 WG2146503	2.500	2.500	2.500	0.8886	0.7426	0.297	-	11/26/2025 14:59	CME,NIC2
43	WG2146818-1 WG2146818	2.500	2.500	2.500	0.1082	0.1706	0.068	-	11/26/2025 15:02	CME,NIC2
44	WG2146818-2 WG2146818	2.500	2.500	2.500	36.3276	26.7183	10.687	-	11/26/2025 15:06	CME,NIC2
45	L2572002-11 WG2146818	2.500	2.500	2.500	0.4253	0.4030	0.161	-	11/26/2025 15:09	CME,NIC2
46	WG2146818-3 WG2146818	2.500	2.500	2.500	36.0554	26.5188	10.608	-	11/26/2025 15:12	CME,NIC2
47	WG2146818-4 WG2146818	2.500	2.500	2.500	0.3991	0.3838	0.154	-	11/26/2025 15:16	CME,NIC2
48	L2572835-02 WG2146818	2.500	2.500	2.500	0.6222	0.5473	0.219	-	11/26/2025 15:19	CME,NIC2
49	Check STD(10ug/L)	2.500	2.500	2.500	36.7417	27.0219	10.809	108.1	11/26/2025 15:22	CME,NIC2
50	Check Blank	2.500	2.500	2.500	0.1197	0.1790	0.072	-	11/26/2025 15:25	CME,NIC2
51	L2575162-01 WG2146818	2.500	2.500	2.500	22.1086	16.2962	6.518	-	11/26/2025 15:29	CME,NIC2
52	L2575316-01 WG2146818	2.500	2.500	2.500	0.9982	0.8229	0.329	-	11/26/2025 15:32	CME,NIC2
53	L2575316-02 WG2146818	2.500	2.500	2.500	1.3278	1.0645	0.426	-	11/26/2025 15:35	CME,NIC2
54	WG2146605-1 WG2146605	2.500	2.500	2.500	0.1150	0.1756	0.070	-	11/26/2025 15:39	CME,NIC2
55	WG2146605-2 WG2146605	2.500	2.500	2.500	36.6058	26.9223	10.769	-	11/26/2025 15:42	CME,NIC2
56	L2570789-02 WG2146605	2.500	2.500	2.500	0.4876	0.4487	0.179	-	11/26/2025 15:45	CME,NIC2
57	WG2146605-3 WG2146605	2.500	2.500	2.500	36.5110	26.8532	10.741	-	11/26/2025 15:49	CME,NIC2
58	WG2146605-4 WG2146605	2.500	2.500	2.500	0.6658	0.5793	0.232	-	11/26/2025 15:52	CME,NIC2
59	L2570789-03 WG2146605	2.500	2.500	2.500	3.7157	2.8148	1.126	-	11/26/2025 15:55	CME,NIC2
60	L2572835-01 WG2146605	2.500	2.500	2.500	0.5238	0.4752	0.190	-	11/26/2025 15:58	CME,NIC2
61	Check STD(10ug/L)	2.500	2.500	2.500	32.4652	23.8873	9.555	95.5	11/26/2025 16:02	CME,NIC2
62	Check Blank	2.500	2.500	2.500	0.1203	0.1795	0.072	-	11/26/2025 16:05	CME,NIC2
63	L2573721-02 WG2146605	2.500	2.500	2.500	2.3962	1.8476	0.739	-	11/26/2025 16:08	CME,NIC2
64	L2573791-01 WG2146605	2.500	2.500	2.500	0.2042	0.2410	0.096	-	11/26/2025 16:12	CME,NIC2
65	L2574712-04 WG2146605	2.500	2.500	2.500	0.3429	0.3426	0.137	-	11/26/2025 16:15	CME,NIC2
66	xL2574712-05 WG2146605	2.500	2.500	2.500	H.CONC	H.CONC	H.CONC	-	11/26/2025 16:18	CME,NIC2
67	L2574712-06 WG2146605	2.500	2.500	2.500	0.1833	0.2256	0.090	-	11/26/2025 16:24	CME,NIC2
68	L2574712-07 WG2146605	2.500	2.500	2.500	0.1417	0.1951	0.078	-	11/26/2025 16:28	CME,NIC2
69	L2574712-08 WG2146605	2.500	2.500	2.500	0.1253	0.1831	0.073	-	11/26/2025 16:31	CME,NIC2

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No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
70	L2574851-01 WG2146605	2.500	2.500	2.500	0.3326	0.3351	0.134	-	11/26/2025 16:34	CME,NIC2
71	L2574851-02 WG2146605	2.500	2.500	2.500	0.1403	0.1941	0.078	-	11/26/2025 16:38	CME,NIC2
72	L2574851-04 WG2146605	2.500	2.500	2.500	0.1465	0.1987	0.079	-	11/26/2025 16:41	CME,NIC2
73	Check STD(10ug/L)	2.500	2.500	2.500	36.345	26.7318	10.693	106.9	11/26/2025 16:44	CME,NIC2
74	Check Blank	2.500	2.500	2.500	0.0640	0.1382	0.055	-	11/26/2025 16:48	CME,NIC2
75	L2574851-05 WG2146605	2.500	2.500	2.500	0.0867	0.1548	0.062	-	11/26/2025 16:51	CME,NIC2
76	L2574712-05d10 WG2146605	2.500	2.500	2.500	21.924	16.1616	6.465	-	11/26/2025 16:54	CME,NIC2
77	WG2146870-1 WG2146870	2.500	2.500	2.500	0.0417	0.1218	0.049	-	11/26/2025 19:16	CME,NIC2
78	WG2146870-2 WG2146870	2.500	2.500	2.500	35.205	25.8955	10.358	-	11/26/2025 19:20	CME,NIC2
79	L2572550-01 WG2146870	2.500	2.500	2.500	0.2166	0.2500	0.100	-	11/26/2025 19:23	CME,NIC2
80	WG2146870-3 WG2146870	2.500	2.500	2.500	32.536	23.9394	9.576	-	11/26/2025 19:26	CME,NIC2
81	WG2146870-4 WG2146870	2.500	2.500	2.500	0.2090	0.2445	0.098	-	11/26/2025 19:30	CME,NIC2
82	WG2146607-1 WG2146607	2.500	2.500	2.500	0.0991	0.1639	0.066	-	11/26/2025 19:33	CME,NIC2
83	WG2146607-2 WG2146607	2.500	2.500	2.500	35.403	26.0412	10.416	-	11/26/2025 19:36	CME,NIC2
84	L2574303-04 WG2146607	2.500	2.500	2.500	6.3864	4.7723	1.909	-	11/26/2025 19:40	CME,NIC2
85	Check STD(10ug/L)	2.500	2.500	2.500	36.979	27.1959	10.878	108.8	11/26/2025 19:43	CME,NIC2
86	Check Blank	2.500	2.500	2.500	0.1078	0.1703	0.068	-	11/26/2025 19:46	CME,NIC2
87	WG2146607-3 WG2146607	2.500	2.500	2.500	42.885	31.5253	12.610	-	11/26/2025 19:50	CME,NIC2
88	WG2146607-4 WG2146607	2.500	2.500	2.500	43.681	32.1088	12.844	-	11/26/2025 19:53	CME,NIC2
89	L2573100-01 WG2146607	2.500	2.500	2.500	0.1789	0.2224	0.089	-	11/26/2025 19:56	CME,NIC2
90	L2574138-01 WG2146607	2.500	2.500	2.500	1.2038	0.9736	0.389	-	11/26/2025 20:00	CME,NIC2
91	L2574138-02 WG2146607	2.500	2.500	2.500	0.7000	0.6044	0.242	-	11/26/2025 20:03	CME,NIC2
92	L2574138-03 WG2146607	2.500	2.500	2.500	0.4943	0.4536	0.181	-	11/26/2025 20:06	CME,NIC2
93	L2574138-04 WG2146607	2.500	2.500	2.500	1.4357	1.1436	0.457	-	11/26/2025 20:10	CME,NIC2
94	L2574303-01 WG2146607	2.500	2.500	2.500	2.5300	1.9457	0.778	-	11/26/2025 20:13	CME,NIC2
95	L2574303-02 WG2146607	2.500	2.500	2.500	2.1334	1.6550	0.662	-	11/26/2025 20:16	CME,NIC2
96	L2574303-03 WG2146607	2.500	2.500	2.500	8.1797	6.0868	2.435	-	11/26/2025 20:20	CME,NIC2
97	Check STD(10ug/L)	2.500	2.500	2.500	36.929	27.1594	10.864	108.6	11/26/2025 20:23	CME,NIC2
98	Check Blank	2.500	2.500	2.500	0.1247	0.1827	0.073	-	11/26/2025 20:26	CME,NIC2
99	L2574749-01 WG2146607	2.500	2.500	2.500	0.2659	0.2862	0.114	-	11/26/2025 20:30	CME,NIC2
100	WG2147022-1 WG2147022	2.500	2.500	2.500	0.1265	0.1840	0.074	-	11/26/2025 20:33	CME,NIC2
101	WG2147022-2 WG2147022	2.500	2.500	2.500	36.117	26.5640	10.626	-	11/26/2025 20:36	CME,NIC2

NIC NIPPON INSTRUMENTS CORPORATION

11/26/2025 22:20

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
102	WG2147022-3 WG2147022	2.500	2.500	2.500	36.030	26.5004	10.600	-	11/26/2025 20:39	CME,NIC2
103	WG2147022-4 WG2147022	2.500	2.500	2.500	35.714	26.2687	10.507	-	11/26/2025 20:43	CME,NIC2
104	WG2147022-5 WG2147022	2.500	2.500	2.500	35.676	26.2412	10.496	-	11/26/2025 20:46	CME,NIC2
105	I2573979-02 WG2146349	2.500	2.500	2.500	6.0479	4.5242	1.810	-	11/26/2025 22:03	CME,NIC2
106	I2573979-03 WG2146349	2.500	2.500	2.500	3.2667	2.4857	0.994	-	11/26/2025 22:07	CME,NIC2
107	I2574522-01 WG2146349	2.500	2.500	2.500	0.1544	0.2045	0.082	-	11/26/2025 22:10	CME,NIC2
108	I2574522-02 WG2146349	2.500	2.500	2.500	1.9878	1.5483	0.619	-	11/26/2025 22:13	CME,NIC2
109	Check STD(10ug/L)	2.500	2.500	2.500	36.866	27.1131	10.845	108.5	11/26/2025 22:16	CME,NIC2
110	Check Blank	2.500	2.500	2.500	0.1939	0.2334	0.093	-	11/26/2025 22:20	CME,NIC2

NIC NIPPON INSTRUMENTS CORPORATION

MERCURY TRUE VALUE CRITERIA

ICV	3 ug/l
LCSW	1 ug/l
MS	1 ug/l
CCV	5 ug/l

As of 6/1/13, Mercury True Value criteria is as follows:

ICV	3 ug/l
LCSW	1 ug/l
MS(aq)	5 ug/l
MS(soil)	1 ug/l
CCV	10 ug/l

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D102-540
Certificate Issue Date: June 22, 2018
Expiration Date: January 31, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 030512.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8160	6.36	3960 - 12400	4080 - 12200
Antimony	120	60.9	9.42	0.822 - 121	12.0 - 166
Arsenic	144	135	5.08	112 - 158	94.6 - 176
Barium	469	443	6.77	366 - 521	332 - 554
Beryllium	207	197	5.86	164 - 229	148 - 246
Boron	213	174	12.6	127 - 221	105 - 244
Cadmium	224	204	6.65	169 - 240	153 - 256
Calcium	5190	4830	9.12	3950 - 5700	3510 - 6150
Chromium	138	132	8.56	109 - 155	92.2 - 171
Cobalt	182	179	7.93	151 - 207	134 - 224
Copper	191	184	6.72	155 - 213	138 - 230
Iron	15000	14400	10.7	8770 - 20000	5120 - 23600
Lead	225	216	7.72	178 - 254	159 - 274
Magnesium	2570	2340	6.13	1780 - 2900	1460 - 3230
Manganese	331	323	6.71	266 - 380	242 - 404
Mercury	16.8	13.2	16.0	8.64 - 17.7	7.89 - 18.5
Molybdenum	193	175	2.39	141 - 209	125 - 226
Nickel	163	152	5.95	126 - 178	106 - 197
Potassium	2420	2050	6.31	1440 - 2660	1210 - 2890
Selenium	81.9	74.9	4.13	59.3 - 90.5	47.0 - 103
Silver	57.6	53.9	9.00	43.0 - 64.8	37.8 - 70.0
Sodium	161	149	12.1	111 - 188	57.7 - 241
Strontium	100	96.2	4.04	78.1 - 114	69.0 - 123
Thallium	253	232	3.54	188 - 276	168 - 296

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▪ Certificate of Analysis ▪

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	146	134	10.8	106 - 163	79.5 - 189
Titanium	449	340	7.20	70.2 - 609	44.9 - 711
Uranium	114	113	7.10	85.5 - 140	71.9 - 153
Vanadium	180	172	8.85	137 - 207	126 - 218
Zinc	217	211	6.58	171 - 250	147 - 274

ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8160	80.8	138	-	-
Antimony	120	60.9	50.8	135	-	-
Arsenic	144	135	93.8	184	-	-
Barium	469	443	94.5	158	-	-
Beryllium	207	197	95.0	148	-	-
Boron	213	174	81.8	107	-	-
Cadmium	224	204	91.3	199	-	-
Calcium	5190	4830	93.0	122	-	-
Chromium	138	132	95.5	172	-	-
Cobalt	182	179	98.4	140	-	-
Copper	191	184	96.3	183	-	-
Iron	15000	14400	95.6	133	-	-
Lead	225	216	96.2	204	-	-
Magnesium	2570	2340	91.2	122	-	-
Manganese	331	323	97.6	147	-	-
Mercury	16.8	13.2	78.3	128	-	-
Molybdenum	193	175	90.8	143	-	-
Nickel	163	152	93.1	185	-	-
Potassium	2420	2050	84.7	121	-	-
Selenium	81.9	74.9	91.5	163	-	-

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Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Silver	57.6	53.9	93.6	150	-	-
Sodium	161	149	92.8	105	-	-
Strontium	100	96.2	96.2	90	-	-
Thallium	253	232	91.6	147	-	-
Tin	146	134	92.0	100	-	-
Titanium	449	340	75.6	93	-	-
Uranium	114	113	98.8	35	-	-
Vanadium	180	172	95.4	139	-	-
Zinc	217	211	97.0	180	-	-

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor. The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product.

3. The **QC Performance Acceptance Limits (QC PALs™)**are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Data/Traceability** data include the mean value, percent recovery and number of data points reported by the laboratories in our Proficiency Testing study compared to the Certified Values. In addition, where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. This product is traceable to the lot numbers of its starting materials. All gravimetric and volumetric measurements related to its manufacture are traceable to NIST through an unbroken chain of comparisons.
Traceability Recovery (%) = [(% recovery certified standard)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

6. For additional information on this product such as intended use, instructions for use, level of homogeneity, and safety information, please refer to the provided Instruction Sheet

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller



Quality Officer

Matthew Seebeck



ISO/IEC GUIDE 34:2009 ACCREDITED REFERENCE MATERIAL PRODUCER CERTIFICATE NO. 1539.03

ISO/IEC 17025:2005 ACCREDITED CHEMICAL TESTING LABORATORY CERTIFICATE NO. 1539.02

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Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D105-540
Certificate Issue Date: March 19, 2019
Expiration Date: October 12, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 030512.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8800	8.32	4600 - 13000	4470 - 13100
Antimony	282	147	7.70	6.17 - 289	28.2 - 366
Arsenic	155	143	6.34	119 - 168	100 - 186
Barium	439	415	5.37	343 - 488	311 - 519
Beryllium	192	179	2.78	149 - 210	134 - 224
Boron	216	160	7.08	113 - 208	96.1 - 238
Cadmium	61.5	56.2	0.528	46.6 - 65.9	42.2 - 70.3
Calcium	5190	4960	6.64	4090 - 5840	3610 - 6310
Chromium	104	101	4.75	83.2 - 118	70.5 - 131
Cobalt	196	189	0.500	158 - 219	141 - 236
Copper	65.0	63.1	2.65	53.1 - 73.1	47.3 - 78.9
Iron	15000	15700	8.94	10100 - 21300	6000 - 25400
Lead	126	125	4.77	103 - 146	89.3 - 160
Magnesium	2570	2410	6.26	1860 - 2970	1520 - 3310
Manganese	387	382	5.37	315 - 449	290 - 474
Mercury	7.76	7.61	13.7	5.53 - 9.69	4.57 - 10.7
Molybdenum	120	107	0.500	86.0 - 128	75.5 - 139
Nickel	117	108	0.514	89.5 - 127	75.7 - 141
Potassium	2420	2110	5.62	1500 - 2720	1260 - 2960
Selenium	84.6	77.9	7.10	61.8 - 94.0	49.2 - 107
Silver	34.6	34.3	8.34	27.8 - 40.9	23.6 - 45.1
Sodium	161	145	6.72	106 - 183	54.3 - 235
Strontium	104	104	3.95	85.1 - 123	74.8 - 133
Thallium	123	113	0.500	91.3 - 134	77.1 - 149

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Reference Material

▪ Certificate of Analysis ▪

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	118	107	0.500	83.5 - 130	61.2 - 152
Titanium	512	421	5.80	114 - 728	0.00 - 854
Uranium	103	104	6.18	79.1 - 128	71.9 - 135
Vanadium	87.3	83.7	8.55	66.8 - 101	54.2 - 113
Zinc	251	240	3.98	194 - 285	168 - 312

ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8800	87.1	193	-	-
Antimony	282	147	52.3	216	-	-
Arsenic	155	143	92.5	240	-	-
Barium	439	415	94.6	222	-	-
Beryllium	192	179	93.4	220	-	-
Boron	216	160	74.2	152	-	-
Cadmium	61.5	56.2	91.5	239	-	-
Calcium	5190	4960	95.6	175	-	-
Chromium	104	101	96.8	237	-	-
Cobalt	196	189	96.2	215	-	-
Copper	65.0	63.1	97.1	237	-	-
Iron	15000	15700	105	195	-	-
Lead	126	125	99.0	243	-	-
Magnesium	2570	2410	93.9	177	-	-
Manganese	387	382	98.7	215	-	-
Mercury	7.76	7.61	98.0	157	-	-
Molybdenum	120	107	89.4	216	-	-
Nickel	117	108	92.5	235	-	-
Potassium	2420	2110	87.2	181	-	-
Selenium	84.6	77.9	92.1	231	-	-

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Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Silver	34.6	34.3	99.3	216	-	-
Sodium	161	145	89.8	166	-	-
Strontium	104	104	99.9	148	-	-
Thallium	123	113	91.8	215	-	-
Tin	118	107	90.4	164	-	-
Titanium	512	421	82.2	157	-	-
Uranium	103	104	101	61	-	-
Vanadium	87.3	83.7	95.9	214	-	-
Zinc	251	240	95.5	234	-	-

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this reference material during the period of validity of this certificate.

2. The **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor. The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product.

3. The **QC Performance Acceptance Limits (QC PALs™)**are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Data/Traceability** data include the mean value, percent recovery and number of data points reported by the laboratories in our Proficiency Testing study compared to the Certified Values. In addition, where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. This product is traceable to the lot numbers of its starting materials. All gravimetric and volumetric measurements related to its manufacture are traceable to NIST through an unbroken chain of comparisons.
Traceability Recovery (%) = [(% recovery certified standard)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

6. For additional information on this product such as intended use, instructions for use, level of homogeneity, and safety information, please refer to the provided Instruction Sheet

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Brian Miller

Quality Officer

Matthew Seebeck

ACCREDITED ACCREDITED

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Certified Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D109-540
Certificate Issue Date: March 24, 2020
Expiration Date: October 03, 2023
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 090119.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8130	2.54	3920 - 12300	4060 - 12200
Antimony	259	134	5.03	4.56 - 264	25.9 - 335
Arsenic	171	156	3.38	129 - 183	109 - 203
Barium	253	239	4.81	197 - 280	179 - 298
Beryllium	179	169	6.59	141 - 198	127 - 212
Boron	114	87.5	10.3	62.5 - 113	52.5 - 125
Cadmium	149	137	5.43	113 - 160	103 - 171
Calcium	5190	4760	3.48	3890 - 5640	3460 - 6070
Chromium	163	154	3.79	126 - 181	108 - 200
Cobalt	127	121	5.07	101 - 141	90.8 - 151
Copper	57.0	54.9	4.13	46.1 - 63.6	41.1 - 68.6
Iron	15000	14100	6.27	8470 - 19700	4920 - 23200
Lead	133	130	3.00	107 - 152	93.3 - 167
Magnesium	2570	2320	3.32	1760 - 2880	1440 - 3200
Manganese	277	269	2.67	221 - 317	199 - 340
Mercury	21.6	20.5	7.72	14.7 - 26.3	12.3 - 28.6
Molybdenum	108	95.4	2.61	76.4 - 114	66.9 - 124
Nickel	58.7	53.9	4.97	44.5 - 63.3	37.7 - 70.0
Potassium	2420	2020	3.06	1410 - 2630	1190 - 2850
Selenium	181	167	5.63	132 - 201	113 - 221
Silver	35.5	33.6	5.20	26.8 - 40.3	23.0 - 44.1
Sodium	161	133	2.76	95.1 - 171	46.5 - 220
Strontium	89.7	87.9	4.59	71.7 - 104	62.8 - 113
Thallium	121	112	5.19	90.3 - 133	76.1 - 147

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Certified Reference Material

▪ Certificate of Analysis ▪

Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	83.5	74.0	5.42	57.6 - 90.4	39.7 - 108
Titanium	474	333	7.17	48.6 - 617	46.3 - 620
Uranium	51.9	51.9	3.36	39.6 - 64.3	35.9 - 68.0
Vanadium	68.1	62.6	6.00	49.4 - 75.8	37.0 - 88.3
Zinc	165	158	2.34	128 - 188	111 - 205

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ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number[6]	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8130	80.5	196	-	-
Antimony	259	134	51.8	217	-	-
Arsenic	171	156	91.3	243	-	-
Barium	253	239	94.3	230	-	-
Beryllium	179	169	94.6	223	-	-
Boron	114	87.5	76.7	150	-	-
Cadmium	149	137	91.8	249	-	-
Calcium	5190	4760	91.8	184	-	-
Chromium	163	154	94.4	245	-	-
Cobalt	127	121	95.3	221	-	-
Copper	57.0	54.9	96.2	243	-	-
Iron	15000	14100	93.9	199	-	-
Lead	133	130	97.7	251	-	-
Magnesium	2570	2320	90.1	182	-	-
Manganese	277	269	97.2	220	-	-
Mercury	21.6	20.5	94.7	172	-	-
Molybdenum	108	95.4	88.3	218	-	-
Nickel	58.7	53.9	91.8	242	-	-
Potassium	2420	2020	83.5	187	-	-
Selenium	181	167	92.2	235	-	-
Silver	35.5	33.6	94.5	222	-	-
Sodium	161	133	82.7	177	-	-
Strontium	89.7	87.9	98.0	151	-	-
Thallium	121	112	92.2	219	-	-
Tin	83.5	74.0	88.6	170	-	-
Titanium	474	333	70.3	157	-	-
Uranium	51.9	51.9	100	60	-	-
Vanadium	68.1	62.6	91.9	213	-	-
Zinc	165	158	95.8	238	-	-

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▪ Certificate of Analysis ▪

1. The **Certified Values** are the actual gravimetric/volumetric "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor (k=2). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:
$U_{expanded} = k * SQRT((U_{char}^2) + (U_{homogen}^2) + (U_{LTS}^2) + (U_{STS}^2) + (U_{RSS}^2))$

Where:

$U_{expanded}$ = Expanded uncertainty.
k = Coverage factor.
U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.
$U_{homogen}$ = Standard uncertainty of the homogeneity assessment.
U_{LTS} = Standard uncertainty associated with long-term stability.
U_{STS} = Standard uncertainty associated with short-term (transport) stability.
U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this certified reference material alongside USEPA and NELAC compliant PT study materials. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and therefore, the acceptance limits of this certified reference material and any PT study material may differ relative to their difference in concentrations.

5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated internally by ERA.

6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = [(% recovery ERA certified reference material)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing this ERA certified reference material and/or it's associated stock solution(s) against the applicable NIST SRMs.

7. The **Reference Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The **Reference Values** represent the expected performance for the analytes in this standard. ERA recommends using the **Reference Values** when assessing or evaluating your results.

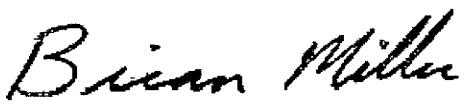
8. **Metrological Traceability**. This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.

9. For additional information on this product such as intended use, storage information, instructions for use, minimum sample size, and safety information, please refer to the Product Use Instructions provided.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller



Quality Officer

Matthew Seebeck



ERA
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Certified Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D113-540
Certificate Issue Date: March 23, 2021
Expiration Date: October 13, 2024
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 090119.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8630	12.0	4420 - 12800	4370 - 12900
Antimony	256	129	16.8	0.742 - 257	25.6 - 323
Arsenic	91.6	84.5	15.1	70.0 - 99.0	59.2 - 110
Barium	259	249	9.94	206 - 292	187 - 311
Beryllium	175	163	3.89	135 - 191	122 - 204
Boron	95.7	76.7	12.8	55.7 - 97.7	48.0 - 107
Cadmium	107	99.0	11.5	82.2 - 116	74.2 - 124
Calcium	5190	4760	11.8	3890 - 5640	3460 - 6070
Chromium	129	122	14.6	101 - 144	85.7 - 159
Cobalt	63.6	61.7	11.5	51.9 - 71.6	46.3 - 77.2
Copper	62.3	61.5	12.3	51.9 - 71.0	46.1 - 76.8
Iron	15000	14500	15.7	8860 - 20100	5190 - 23800
Lead	122	123	13.9	103 - 144	88.3 - 158
Lithium	6.42	7.30	18.7	5.13 - 9.48	3.20 - 11.4
Magnesium	2570	2360	8.87	1810 - 2920	1480 - 3250
Manganese	470	456	13.4	375 - 538	350 - 563
Mercury	22.1	18.9	14.5	13.0 - 24.8	11.3 - 26.4
Molybdenum	80.1	72.8	11.0	58.7 - 87.0	50.5 - 95.2
Nickel	143	135	14.2	112 - 158	94.7 - 176
Potassium	2420	2090	8.21	1480 - 2700	1240 - 2940
Selenium	128	121	11.7	96.9 - 146	80.4 - 162
Silver	45.4	44.1	6.69	35.5 - 52.8	30.7 - 57.6
Sodium	161	136	9.34	97.4 - 174	48.1 - 223
Strontium	82.2	82.3	8.42	67.4 - 97.1	58.6 - 106

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Certified Reference Material

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Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Thallium	154	144	7.54	117 - 171	101 - 187
Tin	89.7	79.8	14.0	62.2 - 97.4	43.5 - 116
Titanium	705	546	10.3	123 - 969	118 - 974
Uranium	29.5	30.9	3.38	23.9 - 37.9	21.3 - 40.5
Vanadium	196	186	14.2	148 - 224	138 - 235
Zinc	307	295	10.4	240 - 351	207 - 384

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Product: Metals in Soil
Catalog Number: 540
Lot No. D123-540
Certificate Issue Date: September 29, 2023
Expiration Date: June 01, 2027
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 111122.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	7680	6780	7.45	3590 - 9980	3240 - 10300
Antimony	257	127	7.67	D.L. - 255	25.7 - 318
Arsenic	360	311	5.66	254 - 368	218 - 405
Barium	332	304	10.3	249 - 359	228 - 380
Beryllium	183	169	2.30	140 - 198	127 - 211
Boron	320	229	8.37	159 - 300	138 - 352
Cadmium	238	212	2.84	175 - 250	159 - 265
Calcium	5490	5170	7.20	4240 - 6090	3770 - 6560
Chromium	199	180	7.49	146 - 213	126 - 234
Cobalt	88.7	81.6	14.9	67.9 - 95.4	61.2 - 102
Copper	227	205	23.1	170 - 240	154 - 256
Iron	7360	6510	7.13	3760 - 9260	736 - 13200
Lead	100	92.8	17.9	75.9 - 110	65.0 - 121
Lithium	146	132	6.88	82.7 - 182	92.0 - 172
Magnesium	1900	1700	6.98	1280 - 2110	946 - 2450
Manganese	591	531	12.5	429 - 633	410 - 652
Mercury	14.4	11.9	8.30	7.99 - 15.7	7.12 - 16.6
Molybdenum	155	136	2.46	108 - 163	96.1 - 175
Nickel	342	313	7.24	258 - 368	219 - 407
Potassium	1500	1370	6.70	991 - 1750	713 - 2030
Selenium	170	165	4.43	133 - 197	112 - 218
Silver	88.6	82.4	6.61	65.5 - 99.2	58.5 - 106
Sodium	527	486	7.85	361 - 611	289 - 683
Strontium	148	136	8.52	109 - 163	98.7 - 173

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Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Thallium	226	205	4.43	166 - 245	148 - 263
Tin	85.2	75.4	3.97	58.7 - 92.1	40.6 - 110
Titanium	382	306	8.28	77.0 - 535	98.3 - 514
Uranium	46.5	47.2	5.32	36.2 - 58.2	28.6 - 65.8
Vanadium	118	103	7.76	80.3 - 126	70.0 - 136
Zinc	183	166	6.60	133 - 200	117 - 216

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ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number[6]	Recovery
	mg/kg	mg/kg	%			%
Aluminum	7680	6780	88.3	109	-	-
Antimony	257	127	49.3	117	-	-
Arsenic	360	311	86.5	145	-	-
Barium	332	304	91.6	129	-	-
Beryllium	183	169	92.4	121	-	-
Boron	320	229	71.6	84	-	-
Cadmium	238	212	89.2	163	-	-
Calcium	5490	5170	94.1	97	-	-
Chromium	199	180	90.4	145	-	-
Cobalt	88.7	81.6	92.0	121	-	-
Copper	227	205	90.3	151	-	-
Iron	7360	6510	88.5	110	-	-
Lead	100	92.8	92.8	161	-	-
Lithium	146	132	90.6	35	-	-
Magnesium	1900	1700	89.4	100	-	-
Manganese	591	531	89.8	125	-	-
Mercury	14.4	11.9	82.4	95	-	-
Molybdenum	155	136	87.5	120	-	-
Nickel	342	313	91.5	150	-	-
Potassium	1500	1370	91.3	99	-	-
Selenium	170	165	97.0	132	-	-
Silver	88.6	82.4	93.0	124	-	-
Sodium	527	486	92.2	100	-	-
Strontium	148	136	91.9	84	-	-
Thallium	226	205	90.8	117	-	-
Tin	85.2	75.4	88.5	90	-	-
Titanium	382	306	80.1	87	-	-
Uranium	46.5	47.2	102	30	-	-
Vanadium	118	103	87.4	119	-	-
Zinc	183	166	91.0	146	-	-

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1. The **Certified Values** are the actual gravimetric/volumetric "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor (k=2). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:
$U_{expanded} = k * SQRT((U_{char}^2) + (U_{homogen}^2) + (U_{LTS}^2) + (U_{STS}^2) + (U_{RSS}^2))$

Where:

$U_{expanded}$ = Expanded uncertainty.
k = Coverage factor.
U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.
$U_{homogen}$ = Standard uncertainty of the homogeneity assessment.
U_{LTS} = Standard uncertainty associated with long-term stability.
U_{STS} = Standard uncertainty associated with short-term (transport) stability.
U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this certified reference material alongside USEPA and NELAC compliant PT study materials. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and therefore, the acceptance limits of this certified reference material and any PT study material may differ relative to their difference in concentrations.

5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated internally by ERA.

6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = [(% recovery ERA certified reference material)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing this ERA certified reference material and/or it's associated stock solution(s) against the applicable NIST SRMs.

7. The **Reference Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The **Reference Values** represent the expected performance for the analytes in this standard. ERA recommends using the **Reference Values** when assessing or evaluating your results.

8. **Metrological Traceability**. This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.

9. For additional information on this product such as intended use, storage information, instructions for use, minimum sample size, and safety information, please refer to the Product Use Instructions provided.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to era_info@waters.com.

This Certificate of Analysis is authorized by Waters ERA, Quality and Technical departments.

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Product: Metals in Soil
Catalog Number: 540
Lot No. D126-540
Certificate Issue Date: June 25, 2024
Expiration Date: January 17, 2028
Revision Number: 1.0
Revision Date: February 28, 2025

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 111122.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	7680	6840	17.4	3640 - 10000	3280 - 10400
Antimony	250	131	7.92	5.96 - 256	25.0 - 328
Arsenic	229	192	15.3	156 - 228	135 - 252
Barium	244	219	20.5	179 - 259	164 - 274
Beryllium	165	146	6.80	120 - 172	110 - 183
Boron	255	175	13.9	119 - 231	105 - 280
Cadmium	134	114	6.45	93.1 - 135	85.5 - 147
Calcium	4280	4080	14.7	3360 - 4800	2930 - 5240
Chromium	172	153	13.9	124 - 182	107 - 199
Cobalt	253	231	19.3	192 - 271	174 - 289
Copper	99.6	91.2	17.6	75.8 - 107	68.4 - 114
Iron	7360	7020	21.4	4260 - 9770	736 - 13800
Lead	153	141	18.2	115 - 167	102 - 180
Lithium	104	96.1	13.2	60.8 - 131	68.1 - 124
Magnesium	2060	1900	16.9	1450 - 2350	1110 - 2690
Manganese	442	401	19.4	324 - 477	305 - 497
Mercury	15.9	14.1	7.72	9.82 - 18.4	8.45 - 19.7
Molybdenum	165	144	6.21	115 - 173	102 - 186
Nickel	165	143	14.5	117 - 170	100 - 187
Potassium	1950	1760	15.6	1270 - 2250	999 - 2520
Selenium	107	94.7	9.78	74.3 - 115	61.2 - 128
Silver	83.9	77.0	10.1	61.1 - 92.9	54.6 - 99.4
Sodium	732	661	15.6	487 - 834	409 - 913

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Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Strontium	222	191	15.0	151 - 232	140 - 244
Thallium	208	183	6.96	147 - 219	131 - 235
Tin	111	99.0	10.8	77.2 - 121	56.1 - 142
Titanium	422	353	19.9	99.4 - 606	128 - 577
Uranium	20.9	20.0	13.9	15.1 - 25.0	8.44 - 31.6
Vanadium	179	159	13.9	125 - 194	116 - 203
Zinc	327	292	5.83	233 - 351	204 - 379

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ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number[6]	Recovery
	mg/kg	mg/kg	%			%
Aluminum	7680	6840	89.0	135	-	-
Antimony	250	131	52.5	145	-	-
Arsenic	229	192	84.0	242	-	-
Barium	244	219	89.7	165	-	-
Beryllium	165	146	88.7	153	-	-
Boron	255	175	68.5	109	-	-
Cadmium	134	114	85.1	243	-	-
Calcium	4280	4080	95.4	119	-	-
Chromium	172	153	89.2	185	-	-
Cobalt	253	231	91.5	144	-	-
Copper	99.6	91.2	91.6	238	-	-
Iron	7360	7020	95.3	133	-	-
Lead	153	141	92.2	255	-	-
Lithium	104	96.1	92.4	45	-	-
Magnesium	2060	1900	92.3	122	-	-
Manganese	442	401	90.7	143	-	-
Mercury	15.9	14.1	88.6	148	-	-
Molybdenum	165	144	87.2	145	-	-
Nickel	165	143	86.9	232	-	-
Potassium	1950	1760	90.2	128	-	-
Selenium	107	94.7	88.5	167	-	-
Silver	83.9	77.0	91.8	157	-	-
Sodium	732	661	90.3	117	-	-
Strontium	222	191	86.2	92	-	-
Thallium	208	183	88.0	147	-	-
Tin	111	99.0	89.1	102	-	-
Titanium	422	353	83.6	90	-	-
Uranium	20.9	20.0	95.9	31	-	-
Vanadium	179	159	89.0	146	-	-
Zinc	327	292	89.3	233	-	-

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1. The **Certified Values** are the actual gravimetric/volumetric "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

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$U_{expanded} = k * SQRT((U_{char}^2) + (U_{homogen}^2) + (U_{LTS}^2) + (U_{STS}^2) + (U_{RSS}^2))$

Where:

$U_{expanded}$ = Expanded uncertainty.
k = Coverage factor.
U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.
$U_{homogen}$ = Standard uncertainty of the homogeneity assessment.
U_{LTS} = Standard uncertainty associated with long-term stability.
U_{STS} = Standard uncertainty associated with short-term (transport) stability.
U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).

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4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this certified reference material alongside USEPA and NELAC compliant PT study materials. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and therefore, the acceptance limits of this certified reference material and any PT study material may differ relative to their difference in concentrations.

5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated internally by ERA.

6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = [(% recovery ERA certified reference material)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing this ERA certified reference material and/or it's associated stock solution(s) against the applicable NIST SRMs.

7. The **Reference Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The **Reference Values** represent the expected performance for the analytes in this standard. ERA recommends using the **Reference Values** when assessing or evaluating your results.

8. **Metrological Traceability.** This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.

9. For additional information on this product such as intended use, storage information, instructions for use, minimum sample size, and safety information, please refer to the Product Use Instructions provided.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to era_info@waters.com.

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Calculation of 7470A Mercury

Calculate Mercury concentration from the daily calibration curve. The curve is generated utilizing a straight-line equation defined as:

$$A = k1 + k2C$$

Where:

A = Average peak height of the sample/standard integrations
C = Sample/Standard Concentration, µg/L
k1 = y-intercept
k2 = slope

The instrument will plot peak height against concentration (µg/L). The result is generated in µg/L . This value is divided by 1000 to convert the units to mg/L. If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

Result, mg/L = (concentration, µg/L) x (1mg/1000µg) x (DF)

Calculation of 7471B Mercury

Calculate Mercury concentration from the daily calibration curve. The curve is generated utilizing a straight-line equation defined as:

$$A = k1 + k2C$$

Where:

A = Average peak height of the sample/standard integrations
C = Sample/Standard Concentration, µg/L
k1 = y-intercept
k2 = slope

The instrument will plot peak height against concentration (µg/L). The result is generated in µg/L . This value is divided by 1000 to convert the units to mg/L. If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

Result, mg/L = (concentration, µg/L) x (1mg/1000µg) x (DF)

The result in mg/kg is calculated on a dry weight basis using the sample weight digested(Wt), the final volume of the digestate(FV), and the percent total solids(%TS).

Result, mg/kg, wet = ((result, mg/L) x (FV)) /Wt

Result, mg/kg, dry wt = (Result, mg/kg wet)/(%TS)

No.	Sample No.	NAME	CURVE: WG2145562
1	1	STD	
2	3	STD	
3	4	STD	
4	5	STD	
5	6	STD	
6	7	STD	
7	8	STD	
1	9	ICV	
2	10	ICB	
3	11	WG2146094-1	WG2146094
4	12	WG2146094-2	WG2146094
5	13	L2574898-13	WG2146094
6	14	WG2146094-3	WG2146094
7	15	WG2146094-4	WG2146094
8	16	L2574898-14	WG2146094
9	17	WG2146094-5	WG2146094
10	18	WG2146094-6	WG2146094
11	19	L2574897-01	WG2146094
12	20	L2574897-02	WG2146094
13	21	Check STD(10ug/L)	
14	22	Check Blank	
15	23	L2574897-03	WG2146094
16	24	L2574897-04	WG2146094
17	25	L2574897-05	WG2146094
18	26	L2574897-06	WG2146094
19	27	L2574898-01	WG2146094
20	28	L2574898-02	WG2146094
21	29	L2574898-03	WG2146094
22	30	L2574898-04	WG2146094
23	31	L2574898-05	WG2146094
24	32	L2574898-06	WG2146094
25	33	Check STD(10ug/L)	
26	34	Check Blank	
27	35	L2574898-07	WG2146094
28	36	L2574898-08	WG2146094
29	37	L2574898-09	WG2146094
30	38	L2574898-10	WG2146094
31	39	L2574898-11	WG2146094
32	40	L2574898-12	WG2146094
33	41	WG2146623-1	WG2146623
34	42	WG2146623-2	WG2146623
35	43	l2573335-01	WG2146623
36	44	WG2146623-3	WG2146623

37	45	Check STD(10ug/L)
38	46	Check Blank
39	47	WG2146623-4 WG2146623
40	48	L2574497-06 WG2146503
41	49	L2574861-02 WG2146503
42	50	L2574861-03 WG2146503
43	51	WG2146818-1 WG2146818
44	52	WG2146818-2 WG2146818
45	53	L2572002-11 WG2146818
46	54	WG2146818-3 WG2146818
47	55	WG2146818-4 WG2146818
48	56	L2572835-02 WG2146818
49	57	Check STD(10ug/L)
50	58	Check Blank
51	59	L2575162-01 WG2146818
52	60	L2575316-01 WG2146818
53	61	L2575316-02 WG2146818
54	62	WG2146605-1 WG2146605
55	63	WG2146605-2 WG2146605
56	64	L2570789-02 WG2146605
57	65	WG2146605-3 WG2146605
58	66	WG2146605-4 WG2146605
59	67	L2570789-03 WG2146605
60	68	L2572835-01 WG2146605
61	69	Check STD(10ug/L)
62	70	Check Blank
63	71	L2573721-02 WG2146605
64	72	L2573791-01 WG2146605
65	73	L2574712-04 WG2146605
66	74	xL2574712-05 WG2146605
67	75	L2574712-06 WG2146605
68	76	L2574712-07 WG2146605
69	77	L2574712-08 WG2146605
70	78	L2574851-01 WG2146605
71	79	L2574851-02 WG2146605
72	80	L2574851-04 WG2146605
73	1	Check STD(10ug/L)
74	2	Check Blank
75	3	L2574851-05 WG2146605
76	4	L2574712-05d10 WG2146605
77	5	WG2146870-1 WG2146870
78	6	WG2146870-2 WG2146870
79	7	L2572550-01 WG2146870
80	8	WG2146870-3 WG2146870

81	9	WG2146870-4 WG2146870
82	10	WG2146607-1 WG2146607
83	11	WG2146607-2 WG2146607
84	12	L2574303-04 WG2146607
85	13	Check STD(10ug/L)
86	14	Check Blank
87	15	WG2146607-3 WG2146607
88	16	WG2146607-4 WG2146607
89	17	L2573100-01 WG2146607
90	18	L2574138-01 WG2146607
91	19	L2574138-02 WG2146607
92	20	L2574138-03 WG2146607
93	21	L2574138-04 WG2146607
94	22	L2574303-01 WG2146607
95	23	L2574303-02 WG2146607
96	24	L2574303-03 WG2146607
97	25	Check STD(10ug/L)
98	26	Check Blank
99	27	L2574749-01 WG2146607
100	28	WG2147022-1 WG2147022
101	29	WG2147022-2 WG2147022
102	30	WG2147022-3 WG2147022
103	31	WG2147022-4 WG2147022
104	32	WG2147022-5 WG2147022
105	33	l2573979-02 WG2146349
106	34	l2573979-03 WG2146349
107	35	l2574522-01 WG2146349
108	36	l2574522-02 WG2146349
109	37	Check STD(10ug/L)
110	38	Check Blank

METALS ELN REPORT

Workgroup: WG2146094

Digestion

Prep Method	Acid Type 1	Acid 1 Lot	Spike Type	Lims Spike Lot	Spike Lot	Post Spike Spikelot	Spike Lot	Srm Spikelot	Use Srm For Lcs	Pipette Id
EPA 7471B	Aqua Regia	AR112525C LHV1	METALS	METSPIKE	HG111625G ANV2	METSPIKE	HG111625G ANV2	NA	N	396

Additional Reagent/Std	KMnO4	PP112125SAM
	NaCl-NH2OH.HCl	HH2548211833CNE
		ICV111125NRS

Sample/ Type	Digestion Date	Analyst	Sample Weight g	Balance Id	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2574897-01 SOIL	11/25/25 03:18	Christine Hamor	0.374	20		11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
L2574897-02 SOIL	11/25/25 03:18	Christine Hamor	0.388	20		11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
L2574897-03 SOIL	11/25/25 03:18	Christine Hamor	0.371	20		11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
L2574897-04 SOIL	11/25/25 03:18	Christine Hamor	0.364	20		11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
L2574897-05 SOIL	11/25/25 03:18	Christine Hamor	0.367	20		11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
L2574897-06 SOIL	11/25/25 03:18	Christine Hamor	0.357	20		11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
L2574898-01 SAMP	11/25/25 03:18	Christine Hamor	0.356	20		11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
L2574898-02 SAMP	11/25/25 03:18	Christine Hamor	0.383	20		11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
L2574898-03 SAMP	11/25/25 03:18	Christine Hamor	0.365	20		11/25/25 03:18	2082	93.7	11/25/25 03:48	50	

Sample/ Type	Digestion Date	Analyst	Sample Weight g	Balance Id	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2574898-04 SAMP	11/25/25 03:18	Christine Hamor	0.398	20		11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
L2574898-05 SAMP	11/25/25 03:18	Christine Hamor	0.378	20		11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
L2574898-06 SAMP	11/25/25 03:18	Christine Hamor	0.344	20		11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
L2574898-07 SAMP	11/25/25 03:18	Christine Hamor	0.388	20		11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
L2574898-08 SAMP	11/25/25 03:18	Christine Hamor	0.353	20		11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
L2574898-09 SAMP	11/25/25 03:18	Christine Hamor	0.340	20		11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
L2574898-10 SAMP	11/25/25 03:18	Christine Hamor	0.370	20		11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
L2574898-11 SAMP	11/25/25 03:18	Christine Hamor	0.366	20		11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
L2574898-12 SAMP	11/25/25 03:18	Christine Hamor	0.394	20		11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
L2574898-13 SAMP	11/25/25 03:18	Christine Hamor	0.374	20		11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
L2574898-14 SAMP	11/25/25 03:18	Christine Hamor	0.392	20		11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
WG2146094-1 BLANK	11/25/25 03:18	Christine Hamor	0.3	20		11/25/25 03:18	2082	93.7	11/25/25 03:48	50	33762618

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Workgroup: WG2146094

Sample/ Type	Digestion Date	Analyst	Sample Weight g	Balance Id	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
WG2146094-2 LCS	11/25/25 03:18	Christine Hamor	0.3	20	5.0	11/25/25 03:18	2082	93.7	11/25/25 03:48	50	ELN check: ADG
WG2146094-3 MS	11/25/25 03:18	Christine Hamor	0.383	20	5.0	11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
WG2146094-4 MSD	11/25/25 03:18	Christine Hamor	0.381	20	5.0	11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
WG2146094-5 MS	11/25/25 03:18	Christine Hamor	0.359	20	5.0	11/25/25 03:18	2082	93.7	11/25/25 03:48	50	
WG2146094-6 MSD	11/25/25 03:18	Christine Hamor	0.394	20	5.0	11/25/25 03:18	2082	93.7	11/25/25 03:48	50	

Reagent	Actual Volume	Units
Aqua Regia	2.5	ml
Potassium Permanganat	7.5	ml
NaCl-Hydroxylamine Hy	3	ml

Reported: 28-NOV-25 10:41 AM